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The Investigation of the flora of Sof Mountain (Gaziantep, Turkey)

Abstract

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This floristic study was the first one in Sof mountain after more than a century. (Turkey C 6: Gaziantep, SE Anatolia). The floristic catalogue of this area was presented, with the total of 2088 vascular plant specimens collected in 1999-2002. 36 taxa were endemic for Turkey in this study area.

Introduction

This floristic study was carried out between 1999 and 2002 to investigate the flora of Sof mountain W of the SE Anatolian city of Gaziantep (Turkey: C 6 is according to the grid system of Davis 1965). It was the first one in the province of Gaziantep after Dr. Fanny Adrews Shepard [1856 - 1920] from the medical department of the Central Turkey College of Aintab who collected medicinal plants in that area more than a hundred years ago (Baytop 1996). In the history of Turkish Botany, she claims the privilege of being the first woman lecturer of Medical Botany and the first woman to make a collection of Turkish plants. F. Shepard did not publish her specimens but gave them to G. E. Post of the American University of Beirut who was then preparing his flora of Syria, Palestine and Sinai (Post 1896) in which he honoured her by eponymies in genera such as *Achillea*, *Astragalus*, *Campanula*, *Erigeron*, *Galium*, *Medicago*, *Micromeria*, *Nepeta*, *Phlomis*, *Pyrethrum* and *Verbascum* (see Index Kewensis 1993). Her collection is in the Post Herbarium located at the Herbarium of the American University of Beirut (BEI; types in G, duplicates in NY). Earlier authors and collectors to investigate the plants of the Gaziantep region were Leonohard Rauwolf [1535 - 1596], Heinrich Karl Haussknecht [1838 - 1903] and George Edward Post himself [1838 - 1909]. Rauwolf travelled in the Birecik, Urfa and Gaziantep regions of South Anatolia (specimens in L, according to Baytop 2000).

Investigated area

The Turkish province of Gaziantep was named after its capital, situated between 36°38' to 37°32' N and 36°28' to 38°01' E in southeastern Anatolia, close to the border of Syria. Major surrounding cities are Kahramanmaraş in the north, Osmaniye in the west, Kilis in the south, and Şanlıurfa in the east (Fig. 1).

Sof mountain is located at the W of Gaziantep, the eastern side of the Islahiye plain, the southeastern side of the Pazarcık plain, and the northern side of the Sof mountain plateau. Altitude ranges from 900 m above sealevel to 1496 m in the highest peak of Kepekçi (Büyük Sof) hill. The area covers a total surface of 840 km², 582 km² of which reach 1000-1250 m of altitude while 60 km² surpass 1250 m (Anonymous 1973). There are some villages in the Sof mountain area, viz. Çarpın, Sofalıcı, Dımışkılı, Karadede, Durnalık, Acaroba, and Ye'ılce. The income of the villagers is based on pistachio and apple orchards, viniculture, wheat fields and livestock (Solmaz & Yetkin 1969). The investigated area is a gene center for Pistachio.

Geologically, Sof mountain predominantly consists of serpentine and miocene limestone rocks (calcareous claystone, dolomite, calcareous sandstone, etc.; Kalelioğlu 1972). The prevailing type of soil is Terra Rossa, quantitatively followed by decalcified brown forest soils. In addition, there are red-brown soils, alluvial soils, bare rocks and screes (Anonymous 1972).

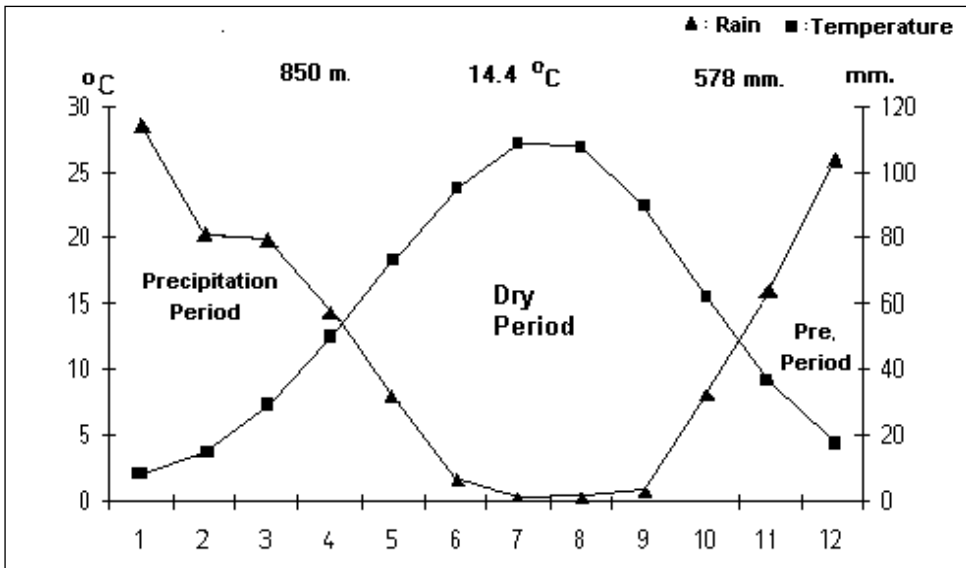


Fig. 2: Ombrothermic diagram of Gaziantep (for sources, see text).

Climatically, Gaziantep province grades from the Mediterranean region eastwards into the more continental Southeast Anatolian region. Summers are warm and dry, winters are cold and rainy. Precipitation follows the Mediterranean winter rain regime. The Emberger

precipitation-temperature coefficient (Q) is 55.9 (Akman 1990). Annual mean temperature is 14.4 °C. Maximum mean temperature is 34.5 observed in August. The minimum mean temperature is -1.2 °C observed in January (Table 1). Annual rainfall is about 578.8 mm (Table 2), and the ranking of the seasonal precipitation amount from high to low is respectively like as Winter, Spring, Autumn and Summer (Anonymous 1999). The ombrothermic diagram shows a dry and a rainy period (Fig. 2).

Table 1. Temperature values in Gaziantep Station (°C).

Temperature	Year	1	2	3	4	5	6	7	8	9	10	11	12	Annual
Mean Temperature	46	2,1	3,7	7,3	12,6	18,3	23,7	27,1	27	22,4	15,5	9,2	4,4	14,4
Mean Maximum temperature	46	6,8	8,7	13,1	19	25,1	30,7	34,5	35	30,6	23,9	16,2	9,2	21
Mean maximum Temperature	46	-1,2	-0,3	2,2	6,6	11,3	16,5	20,4	20	15,3	8,9	4	0,5	8,7

Table 2. Mean precipitation values in Gaziantep station (mm).

Station	Year	1	2	3	4	5	6	7	8	9	10	11	12	Annual
Sof Mountain (Gaziantep)	46	114	80,9	79,4	58	32	6,8	1,5	2	3,4	33,3	63,9	104	578,8

Material and Methods

The material of the investigation are plant specimens collected by the authors between 1999 and 2002 in the Sof mountain. The herbarium specimens are deposited in the Herbarium of the Department of Biology of the University of Gaziantep. Plant specimens were diagnosed by using Flora of Turkey and its supplements (Davis 1965-1985; Davis & al. 1988; Güner & al. 2000), Flora of Syria, Palestine and Sinai (Post 1896 and 1932-1933) and Guidebook of Botanic (Baytop 1998).

The sequence of families, genera and species in the floristic catalogue (see Appendix) is in alphabetical order, within the four major units of classification, viz. Pteridophyta, Gymnospermae, Dicotyledones and Monocotyledones. Nomenclature and circumscription of the adopted plant families and genera follows Davis (1965-1985), the same applies to the infrageneric level, with minor exceptions in *Anthyllis* and *Teucrium*. Citation of authors' names and their abbreviations follow Brummitt & Powell (1992). After the name of each species, localities, habitats, altitudes, collection dates, collectors and collection numbers, and (optional) the phytogeographic element were stated.

Results and discussion

In this study, 420 specific and infraspecific taxa in 231 genera and 65 families of flowering plants and ferns were determined. Three are Pteridophyta, and 417 of them are Spermatophyta. The allocation of taxa according to phytogeographical regions are as follows: Irano-Turanian 122 (29%), Mediterranean 72 (17%), Euro-Siberian 11 (3%) and pluriregional 215 (51%).

The families with the highest number of species are *Fabaceae* 47 (11.3%), *Lamiaceae*

42 (10.1%), *Asteraceae* 39 (9.3%), *Brassicaceae* 26 (6.2%) and *Graminaceae* 22 (5.3%). The dominance of *Fabaceae* is due to the large extent of cultivated habitats in the area. The genera with the highest number of species are *Vicia* and *Salvia* with 11 (4.8%) each; *Astragalus*, *Trifolium* and *Euphorbia* with 8 (3.4%) each, *Centaurea* and *Hypericum* with 7 (3%) each. According to the IUCN (1994) Red Data Book categories (Ekim & al. 2000), 17 taxa are at lower risk (least concern), 6 taxa are at lower risk (near threatened), 2 taxa are at lower risk (conservation dependent), 5 taxa are vulnerable, 1 taxon is endangered, 2 taxa are critically endangered and 1 taxon is data deficient

According to Davis (1965-1985), Davis & al. (1988), Güner & al. (2000), 36 (=9%) of the plant taxa listed in the Appendix are endemic to Turkey. The comparative rate of endemism in the study area and its surrounding is given in Table 3.

As depicted in Table 3, the rate of endemism on Sof mountain was low as compared to other neighbouring mountain systems and to the general rate of endemism for the whole of Turkey at 33%. The main reason was probably the higher altitude of the mountain when compared to the other mountain systems. Endemic taxa concentrate at high elevations in the region where increasing moisture and microclimatic diversity allow a variety of additional habitats and niches where endemics can develop or persist, respectively.

The majority of the plant species collected belongs to the Irano-Turanian phytogeographical element as expected from the geographical situation of the investigated area. In table 4 our results are compared to neighbouring areas with respect to the relevant spectra of phytogeographical elements.

As seen from Table 4, Irano-Turanian elements were generally dominant except for the Upper Ceyhan Valley where percentage of Mediterranean elements was high because of the relatively low altitude and the local vicinity of the Mediterranean Sea.

As shown in Table 5, in four compared areas, viz. the Upper Ceyhan Valley, Engizek and Koruyaz mountains and Ceylanpınar, the family of *Asteraceae* was the richest in species while on Sof mountain the family of *Fabaceae* takes the first place in flora statistics. *Asteraceae* and *Fabaceae* were the richest in species also with respect to the whole of Turkey. A changing statistical "ranking" of both families may depend on environmental conditions (climate, structures of soil and vegetation, etc.) of the area under consideration rather than on its phytogeographical position.

As seen from table 6, plant genera statistics were compared. Our investigation area was most similar to the nearby Upper Ceyhan Valley where *Vicia*, *Salvia* and *Trifolium* were the richest species. On the contrary, on the mountains of Koruyaz, Engizek, Ahır, Berit,

Binboğa, Öksüz and in Ceylanpınar the genus *Astragalus* takes statistically the first place. The reason of this can easily be explained with the fact that these high mountains largely harbour mountain steppes and oreoxerophytic vegetation with thorn-cushion communities adapted to harsh continental climatic conditions where *Astragalus* has a center of speciation.

The great majority of plants collected from our area consist of plant species with a marked xerophilous character. One of them, *Astragalus aintabicus* Boiss., was given as a narrow endemic to the Gaziantep area (Davis, Fl. Turkey 3: 154. 1970). In the meantime this taxon has become known to occur also as far west as İçel province (Turkey C4; see Güner & al. 2000: 84). Hence the species is best considered a less narrow endemic of S Anatolia.

Table 3. The comparison of the rate of endemism between the study area and adjacent areas (for sources, see text).

Area / elevation / reference	Rate of Endemism
Sof Mountain, 1496 m (Özusu 2003)	9,0%
Upper Ceyhan Valley, 1150 m (Kara 1995)	6,6%
Engizek Mountain, 2800 m (Duman 1990)	15,6%
Ahır, Berit, Binboða and Öksüz Mts, 3000 m (Duman & Aytac 1994)	28,3%
Berit Mountain (Yıldız 1984)	16,1%
Nemrut Mountain, 2008 m (Tel 2001)	18,6%
Koruyaz Mountain, 2035 m (Ekici 1994)	19,7%
Çimen Mountain, 2259 m (Varol 1997)	12,3%

Table 4. The comparison of the of phytogeographical spectrum of the present study area and of selected adjacent areas (for references, see Table 3).

Study Area	Irano-Turanian	Mediterranean	Euro-Siberian	Pluriregional, or not allocated
Sof Mountain	29 %	17 %	3 %	37 %
Upper Ceyhan Valley	17,4 %	23,8 %	3,4 %	55,2 %
Engizek Mountain	35,5 %	13,6 %	4,9 %	46 %
Ahır, Berit, Binboða and Öksüz Mts	38 %	11,5 %	1,5 %	38,5 %
Berit Mountain	23,4 %	14,5 %	4,5 %	48,4 %
Koruyaz Mountain	32,4 %	10,5 %	6,4 %	46,7 %
Çimen Mountain	16 %	14,5 %	5 %	53 %
Ceylanpınar	29,9 %	9,3 %	8 %	59,2 %

Table 5. The comparison of selected plant family statistics between this study area and of adjacent areas (for references, see Table 3).

Family	Sof Mountain	Upper Ceyhan Valley	Engizek Mountain	Ahır, Berit, Binboða and Öksüz Mts	Berit Mountain	Nemrut Mountain	Koruyaz Mountain	Çimen Mountain	Ceylanpınar
<i>Fabaceae</i>	47	59	124	115	130	18	69	58	60
<i>Lamiaceae</i>	42	19	54	64	73	21	59	42	-
<i>Asteraceae</i>	39	51	110	129	144	34	62	61	49
<i>Brassicaceae</i>	26	24	69	77	77	19	23	34	22
<i>Graminaceae</i>	22	30	59	61	60	24	15	36	45

Table 6. The comparison of selected plant genera statistics of the study area and of adjacent areas (for references, see Table 3).

Genus	Sof Mountain	Upper Ceyhan Valley	Engizek Mountain	Ahr, Berit, Binboğa and Öksüz Mountains	Berit Mountain	Nemrut Mountain	Koruyaz Mountain	Çimen Mountain	Ceylan pınarı
<i>Vicia</i>	11	9	11	-	12	2	4	9	-
<i>Salvia</i>	11	5	7	8	18	4	13	3	-
<i>Astragalus</i>	8	4	47	37	45	9	25	8	13
<i>Trifolium</i>	8	10	15	4	15	-	8	20	10
<i>Euphorbia</i>	8	8	13	7	16	3	3	4	10
<i>Hypericum</i>	8	1	5	8	3	3	2	4	-
<i>Centaurea</i>	7	5	11	13	21	6	7	5	-

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Appendix:

Floristic Catalogue

Abbreviations and symbols used:

End.: Endemic

Eur-sib.: Euro-Siberian element

E.İ.: Elman İskender (collector's name)

E.Ö.: Ergün Özuslu (collector's name)

Ir-tur.: Irano-Turanian element

Med.: Mediterranean element

mm: millimeter

m: meter

Y.Z.: Yusuf Zeynalov (collector's name)

General remark:

"Turkey C6, Gaziantep, Sof Mountain", as the general area of collection, applies to all entries listed here after.

PTERIDOPHYTA

ADIANTACEAE

Adiantum capillus-veneris L.

Hills of Yeşilce village, in grove of oak trees, on rocks, 900-1000m, 06.05.2000, E.Ö. 1178, widespread.

ASPLENACEAE

Asplenium trichomanes L.

Hills of Sofalıcı village, on rocks, 1000-1100m, 07.11.2001, E.İ, E.Ö. 1368.

Ceterach officinarum DC.

Sof mountain, roadside, on rocks, 1200-1300m, 04.05.2001, Y.Z., E.Ö. 1334.

GYMNOSPERMAE

CUPRESSACEAE

Juniperus oxycedrus L. subsp. *oxycedrus*

1 km from Sofalıcı village, waste places, 1200-1300m, widespread, 23.04.2000, E.Ö.1043.

PINACEAE

Pinus brutia Ten.

Sofalıcı village, slope of hill, 1000-1100m, 06.05.2001, Y. Z., E.Ö. 1358.

ANGIOSPERMAE

DICOTYLEDONES

ACANTHACEAE

Acanthus dioscoridis L. var. *dioscoridis*

Acaroba village, fieldside, 1000-1100m, 19.04.2000, E.Ö. 1039.

Acanthus hirsutus Boiss.

Yeşilce village, fieldside, in grove of oak trees, 1000-1100m, 25.06.2000, E.Ö.1320.

ACERACEAE

Acer monspessulanum subsp. *microphyllum* (Boiss.) Bornm.

Near Sofalıcı village, hills, in grove of oak trees, 1000-1100m, 07.11.2001, E.Ö., E.İ., 1369.

ANACARDIACEAE

Cotinus coggyria Scop.

Işıklı village, Kuş kayası, roadside, 1000-1100 m, 06.06.2002, Y.Z., E.Ö. 1375.

Pistacia palaestina Boiss.

Işıklı village, in grove of oak trees, 1000-1100 m, 04.05.2001, Y.Z., E.Ö. 1425. - Med.

Pistacia terebinthus L. subsp. *terebinthus*

1 km to Işıklı village, roadside, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1335. - Med.

Pistacia vera L.

Işıklı village, in a field, 1000-1100m, 03.08.2000, E.Ö. 1323. - Ir-tur.
Rhus coriaria L.

Işıklı village, roadside, 1000-1100m, 15.06.2000, E.Ö. 1302.

APIACEAE

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

Around Yeşilce village, in field, 1000-1100m, 26.04.2000, E.Ö. 1073. - Med.

Bupleurum croceum Fenzl

1 km from Işıklı village, fieldside, 1000-1100m, 06.05.2000, E.Ö. 1175. - Ir-tur.

Bupleurum lophocarpum Boiss. & Balansa

Around Yeşilce village, fieldside, 900-1000m, 06.05.2000, E.Ö. 1246. - Med.

Carum carvi L.

Işıklı village, roadside, 1000-1100m, 01.05.2000, E.Ö. 1093.

Conium maculatum L.

Işıklı village, roadside, 1000-1100m, 17.05.2000, E.Ö. 1286.

Daucus carota L.

Around Yeşilce village, fieldside, 900-1000m, 17.05.2000, E.Ö. 1287.

Eryngium falcatum Delarbre

Around Acaroba village, in grove of oak trees, 900-1000m, 05.06.2000, E.Ö. 1301. - Med.

Ferula haussknechtii Rech. f.

Around Yeşilce village, hills, in grove of oak trees, 1000-1100m, 01.05.2000, E.Ö. 1094. - Ir-tur.

Lecokia cretica (Lam.) DC.

Işıklı village, roadside, 1100-1200m, 01.05.2000, E.Ö. 1095.

Prangos peucedanifolia Fenzl

Işıklı village, Kuş kayası area, 1000m, 06.06.2002, E.İ., T. Arabacı 1384.

Scandix iberica M. Bieb.

Yeşilce village, fieldside, 1000-1100m, widespread, 06.05.2000, E.Ö. 1136.

Scandix pecten-veneris L.

Around Işıklı village, fieldside, 1000-1100m, widespread, 06.05.2000, E.Ö. 1176.

Torilis leptophylla (L.) Rchb.f.

Işıklı village, Kuş kayası area, roadside, 1000-1100m, 06.06.2002, E.İ., E.Ö. 1418.

Torilis ucranica Spreng.

Yeşilce village, fieldside, 1000-1100m, 17.05.2000, E.Ö. 1288.

APOCYNACEAE

Vinca herbacea Waldst. & Kit

1 km to Işıklı village, in grove of oak trees, 1000-1100m, 18.04.2000, E.Ö. 1033.

ARALIACEAE

Hedera helix L.

Işıklı village, roadside, stony places, 1100-1200m, 18.04.2000, E.Ö. 1034.

ARISTOLOCHIACEAE

Aristolochia maurorum L.

Yeşilce village, waste places, 900-1000m, 06.05.2000, E.Ö. 1109. - Ir-tur.

ASCLEPIADACEAE

Vincetoxicum canescens (Willd.) Decne.

Işıklı village, waste places, 1100-1200m, 06.05.2000, E.Ö. 1110.

ASTERACEAE

Anthemis arenicola Boiss. var. *arenicola*

Acaroba village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1181. - Med.

Anthemis coelopoda var. *longiloba* Grierson

Acaroba village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1139.

Anthemis haussknechtii Boiss. & Reut.

Yeşilce village, fieldside, 1000-1100m, 17.05.2000, E.Ö. 1256.

Anthemis tinctoria L. var. *tinctoria*

Acaroba village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1182.

Carduus nutans L.

Sofalıci village, roadside, 1100-1200m, 15.04.2000, E.Ö. 1017.

Carduus pycnocephalus subsp. *breviphyllarius* Davis

Yeşilce village, 900-1000m, 04.05.2001, Y.Z., E.Ö. 1340. - Ir-tur.

Centaurea cherianthifolia Willd. var. *cherianthifolia*

Sof mountain, stony places, 1450m, 06.06.2002, E.Ö. 1383. - Eur-sib.

Centaurea haussknechtii Boiss.

DİMİŞKİLİ village, in grove of oak trees, 1100-1200m, 12.07.2000, E.Ö. 1321.

Centaurea rigida Banks & Sol.

Yeşilce village, slope of hill, 900-1000m, 06.05.2000, E.Ö. 1140. - Ir-tur.

Centaurea tomentella Hand.-Mazz.

Işıklı village, in grove of oak trees, 900-1000m, 23.04.2000, E.İ., E.Ö. 1047. - Ir-tur.

Centaurea triumfetti All.

Acaroba village, in grove of oak trees, 900-1000m, widespread, 06.05.2000, E.İ., E.Ö. 1141.

Centaurea urvillei DC. subsp. *urvillei*

Işıklı village, roadside, 1000-1100m, 06.06.2002, E.Ö. 1378. - Med.

Centaurea virgata Lam

Işıklı village, waste places, 1100-1200m, widespread, 06.05.2000, E.Ö. 1142.

Chardinia orientalis (L.) Kuntze

Yeşilce village, roadside, 900-1000m, 15.04.2000, E.Ö. 1018. - Ir-tur.

Chondrilla juncea L. var. *juncea*

Sofalıci village, slope of hills, in grove of oak trees, 1000-1100m, 04 05 2000, E.Ö. 1101

Cichorium intybus L.

Yeşilce village, slope of hill, in grove of oak trees, 1000-1100m, 14.05.2000, E.Ö. 1253.

Cirsium pubigerum subsp. *spinosum* Petrak

- Işıklı village, roadside, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1341.
Crepis alpina L.
 Yeşilce village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1143.
Crepis kotschyana (Boiss.) Boiss.
 Sof mountain, roadside, 1100-1200m, 15. 06.2000, E.Ö. 1303. - Ir-tur.
Crepis sancta L.
 Sofalıci village, waste places, 1000-1100m, widespread, 15.06.2000, E.Ö. 1304.
Crupina crupinastrum (Moris) Vis.
 Işıklı village, roadside, 1100-1200m, widespread, 06.05.2000, E.Ö. 1183.
Doronicum orientale Hoffm.
 Işıklı village, roadside, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1342.
Echinops orientalis Trautv.
 Yeşilce village, roadside, 900-1000m, 06.05.2000, E.Ö. 1144. - Ir-tur.
Gundelia tournefortii var. *armata* Freyn & Sint.
 Sof mountain, stony places, 1200-1300m, 14.05.2000, E.Ö. 1254. - Ir-tur.
Helichrysum plicatum DC. subsp. *plicatum*
 Işıklı village, place called Kuş kayası, slope of hill, 1000-1100m, 06.06.2002, E.İ., E.Ö. 1379.
Jurinea ramulosa Boiss. & Hausskn.
 Dımışıklı village, roadside, 1100-1200, 17.05.2000, E.Ö. 1257. - Ir-tur.
Mantisalca salmantica (L.) Briq. & Cavill.
 Sof mountain, stony places, 1100-1200, 05.06.2000, E.Ö. 1299. - Med.
Scorzonera cana var. *radicosa* (Boiss.) D.F. Chamb.
 Işıklı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1184.
Senecio vernalis Waldst. & Kit.
 Işıklı village, fieldside, 1100-1200m, widespread, 06.05.2000, E.Ö. 1185.
Sonchus asper subsp. *glaucescens* (Jord.) Ball
 Işıklı village, roadside, 1000-1100m, widespread, 06.05.2000, E.Ö. 1145.
Tanacetum argenteum (Lam.) Willd. subsp. *argenteum*
 Sof mountain, stony places, 1200-1300m, 12.07.2000, E.Ö. 1322. - Ir-tur.
Taraxacum syriacum Boiss.
 Sofalıci village, in grove of oak trees, 1000-1100m, 17.05.2000, E.Ö. 1258. - Ir-tur.
Tragopogon balcanicus Velen.
 Acaroba village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1134. - Med.
Tragopogon pratensis L.
 Işıklı village, in field, 1000-1100m, 06.05.2000, E.Ö. 1247. - Eur-sib.
Tragopogon reticulatus Boiss. & A. Huet
 Yeşilce village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1133.
Tripleurospermum oreades (Boiss.) Rech.f.
 Yeşilce village, in field, 1000-1100m, 12.07.2001, E.İ., E.Ö. 1361.
Xanthium strumarium subsp. *cavanillesii* (Schouw) D. Löve & Dans.
 Işıklı village, in field, 900-1000m, 12.07.2001, E.İ., E.Ö. 1362.

BERBERIDACEAE

Bongardia chrysogonum (L.) Spach

İşıklı village, fieldside, 1100-1200m, 06.05.2000, E.Ö. 1111. - Ir-tur.

Leontice leontopetalum subsp. *ewersmannii* (Bunge) Coode

Yeşilce village, fieldside, 900-1000m, 23.04.2000, E.Ö. 1046.

BRASSICACEAE

Aethionema arabicum (L.) DC.

Yeşilce village, roadside, 900-1000m, widespread., 17.05.2000, E.Ö. 1263.

Aethionema stapfii Vierh.

Sof mountain, roadside, 1200-1300m, 06.05.2000, E.Ö. 1187. - Ir-tur.

Arabis aucheri Boiss.

Yeşilce village, on rocks, 900-1000m, 04.05.2000, E.Ö. 1188.

Arabis brachycarpa Rupr.

İşıklı village, in field, 1000-1100m, 06.05.2000, E.Ö. 1189. - Eur-sib.

Camelina hispida Boiss.

İşıklı village, fieldside, 1000-1100m, 06.05.2000, E.Ö. 1191.

Capsella bursa-pastoris (L.) Medik.

Yeşilce village, roadside, 900-1000m, widespread, 19.06.2000, E.Ö. 1309.

Cardaria draba (L.) Desv.

Sofalıci village, roadside, 1000-1100m, widespread, 26.04.2000, E.Ö. 1061.

Clypeola jonthlaspi L.

İşıklı village, fieldside, 1000-1100m, widespread, 06.05.2000, E.Ö. 1190.

Crambe orientalis L. var. *orientalis*

Yeşilce village, roadside, 1000-1100m, widespread, 06.05.2000, E.Ö. 1193

Crambe tataria Sebeök var. *tataria*

İşıklı village, in grove of oak trees, stony places, 1000-1100m, 15.04.2000, E.Ö. 1019.

Erysimum goniocaulon Boiss.

Yeşilce village, waste places, 900-1000m, 15.04.2000, E.Ö. 1020.

Erysimum hamosum Post

Dımışkılı village, stony places, 1100-1200m, 15.04.2000, E.Ö. 1021. - Ir-tur.

Erysimum repandum L.

Yeşilce village, waste places, 900-1000m, widespread, 06.05.2000, E.Ö. 1192.

Erysimum smyrnaeum Boiss. & Balansa

İşıklı village, roadside, 1000-1100m, widespread, 06.05.2000, E.Ö. 1194.

Fibigia eriocarpa (DC.) Boiss.

İşıklı village, stony places, 1100-1200m, widespread, 06.05.2000, E.Ö. 1195.

Hesperis aintabica Post

İşıklı village, fieldside, 1000-1100m, 01.05.2000, E.Ö. 1076.

Hesperis pulmonarioides Boiss.

Yeşilce village, fieldside, 1000-1100m, 14.04.2001, Y.Z., E.Ö. 1332.

Isatis tinctoria subsp. *corymbosa* (Boiss.) P.H. Davis

Yeşilce village, roadside, 1000-1100m, 01.05.2000, E.Ö. 1077.

Matthiola longipetala subsp. *bicornis* (Sm.) P.W. Ball

İşıklı village, roadside, 1000-1100m, widespread, 17.05.2000, E.Ö. 1417.

Neslia apiculata Fisch.

- Işıklı village, stony places, 1100-1200m, 06.05.2000, E.Ö. 1197.
Sinapis alba L.
 Yeşilce village, roadside, 900-1000m, 15.04.2000, E.Ö. 1022.
Sinapis arvensis L.
 Işıklı village, roadside, 1000-1100m, 23.04.2000, E.Ö. 1048.
Sisymbrium altissimum L.
 Işıklı village, roadside, 1100-1200m, widespread, 06.05.2000, E.Ö. 1196.
Sisymbrium loeselii L.
 Yeşilce village, fieldside, 1000-1100m, widespread, 15.04.2000, E.Ö. 1023.
Sterigmostemum sulphureum (Banks & Sol.) Bornm. *subsp. sulphureum*
 Işıklı village, roadside, 1000-1100m, 26.04.2000, E.Ö. 1062. - Ir-tur.
Thlaspi perfoliatum L.
 Işıklı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1146. *BORAGINACEAE*
Alkanna hirsutissima (Bertol.) DC.
 Işıklı village, roadside, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1336. - Ir-tur.
Anchusa azurea Mill. var. *azurea*
 Yeşilce village, roadside, 900-1000m, 26.04.2000, E.Ö. 1074.
Anchusa strigosa Labill.
 Işıklı village, roadside, 26.04.2000, 1100-1200m, E.Ö. 1096.
Echium italicum L.
 Yeşilce village, waste places, 1100-1200m, 06.05.2000, E.Ö. 1132. - Med.
Heliotropium haussknechtii Bunge
 Sofalıcı village, in grove of oak trees, 1000-1100m. 06.05.2000., E.Ö. 1112. - Med.
Heliotropium myosotoides Banks & Sol.
 Işıklı village, in grove of oak trees, 1000-1100 m, 04.05. 2001., Y.Z., E.Ö. 1337. - Ir-tur.
Heliotropium supinum L.
 Sof mountain, roadside, stony places, 1100-1200m, 19.06.2000, E.Ö. 1306.
Moltkia coerulea (Willd.) Lehm.
 Sofalıcı village, waste places, 1000-1100m, 04.05.2000, E.Ö. 1097. - Ir-tur.
Onosma albo-roseum Fisch. & C.A. Mey. *subsp. albo-roseum*
 Işıklı village, on rocks, 1000-1100m, 18.04.2000, E.Ö. 1035. - Ir-tur.
Onosma bulbotrichum DC.
 Sof mountain, roadside, stony places, 1100-1200m, 06.05.2000, E.Ö. 1113. - Ir-tur.
Onosma giganteum Lam.
 Yeşilce village, fieldside, 900-1000m, 04.05.2000, E.Ö. 1098. - Med.
Onosma macrophyllum var. *angustifolium* Bornm.
 Işıklı village, roadside, 1000-1000m, 04.05.2000, E.Ö. 1099. - Ir-tur.
Onosma sericeum Willd.
 Yeşilce village, in grove of oak trees, 04.05.2000, E.Ö. 1100. - Ir-tur.
Onosma sieheanum Hayek
 Sofalıcı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1114. - Ir-tur.
Paracaryum sintenisii Bornm.
 Işıklı village, Kuş kayası, slope of hill, 1000-1100m, 06.06.2002, E.İ., E.Ö. 1403. - Ir-tur.

Solenanthus stamineus (Desf.) Wettst.

Sof mountain, roadside, stony places, 1100-1200m, 18.04.2000, E.Ö. 1036.

Symphytum aintabicum Hub.-Mor. & Wickens

İşikli village, roadside, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1338. - Med.

CAMPANULACEAE

Asyneuma rigidum (Willd.) Grossh

Yeşilce village, waste places, 900-1000m, 17.05.2000, E.Ö. 1255. - Ir-tur.

Campanula glomerata subsp. *hispida* (Witasek) Hayek

İşikli village, fieldside, 1000-1100m, 13.05.2000, E.Ö. 1251. - Eur-sib.

Campanula involucrata A. DC.

Yeşilce village, fieldside, 900-1000m, widespread, 06.05.2000, E.Ö. 1115.

CAPRIFOLIACEAE

Lonicera caprifolium L.

Sof mountain, stony places, 1100-1200m, 06.05.2000, E.Ö. 1116

Lonicera etrusca Santi var. *etrusca*

İşikli village, place called Kuş kayası, roadside, in grove of oak trees, 1000-1100m, 06.06.2002, E.İ., E.Ö. 1376. - Med.

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

İşikli village, stony places, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1339.

CARYOPHYLLACEAE

Agrostemma githago L.

İşikli village, fieldside, 1000-1100m 06.05.2000, E.Ö.1117.

Holosteum umbellatum L.

Yeşilce village, waste places, 900-1000m, 06.05.2000, E.Ö. 1118.

Saponaria prostrata Willd. subsp. *prostrata*

Yeşilce village, roadside, 900-1000m, 01.05.2000, E.Ö. 1308. - Ir-tur.

Silene alba subsp. *ericalycina* (Boiss.) Walters

Yeşilce village, fieldside, 900-1000m, 06.05.2000, E.İ., E.Ö. 1137.

Silene chaetodonta Boiss.

Yeşilce village, 900-1000m, 06.05.2000, E.Ö. 1138. - Ir-tur.

Silene conoidea L.

Yeşilce village, in field, 1000-1100m, 17.05.2000, E.Ö. 1291.

Silene longipetala Vent.

Yeşilce village, fieldside, 900-1000m, 06.05.2000, E.Ö. 1179.

Silene supina subsp. *pruinosa* (Boiss.) Chowdhury

İşikli village, place called Kuş kayası, stony places, 900-1000m, 06.06.2002, E.Ö. 1377.

Telephium oligospermum Boiss.

İşikli village, in grove of oak trees, 1000-1100m, 19.06.2000, E.Ö. 1307. - Ir-tur.

Vaccaria pyramidata var. *oxyodonta* (Boiss.) Zoh.

İşikli village, fieldside, 1000-1100m, 06.05.2000, E.Ö. 1180. - Ir-tur.

CLUSIACEAE

Hypericum amblysepalum Hochst.

Yeşilce village, roadside, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1345.

Hypericum hyssopifolium subsp. *elongatum* (Ledeb.) Woronow

İşıklı village, in grove of oak trees, 1000-1100m, 17.05.2000, E.Ö. 1276. - Ir-tur.

Hypericum lydiium Boiss.

İşıklı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1119.

Hypericum orientale L.

İşıklı village, roadside, 1000-1100m, 17.05.2000, E.Ö. 1277.

Hypericum perforatum L.

Sofahıçı village, in grove of oak trees, 900-100m, 06.06.2002, E.İ., E.Ö. 1385.

Hypericum retusum Aucher

Yeşilce village, stony places, 900-1000m, 06.05.2000, E.Ö. 1123. - Ir-tur.

Hypericum venustum Fenzl

Sofahıçı village, in grove of oak trees, 900-100m, 06.06.2002, E.İ., E.Ö. 1386.

Hypericum russegeri (Fenzl) R. Keller

Yeşilce village, fieldside, 900-1000m, 13.06.2001, E.İ., E.Ö. 1419. - Med.

CONVOLVULACEAE

Convolvulus althaeoides L.

Acaroba village, in grove of oak trees, 900-1000m, 17.05.2000, E.Ö. 1259. - Med.

Convolvulus aucheri Choisy

Yeşilce village, roadside, 900-1000m, 17.05.2000, E.Ö. 1260. - Med.

Convolvulus arvensis L.

Yeşilce village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1186.

Convolvulus betonicifolius Mill. subsp. *betonicifolius*

İşıklı village, roadside, 1100-1200m, widespread, 17.05.2000, E.Ö. 1261.

Convolvulus siculus L. var. *siculus*

Yeşilce village, in field, 1000-1100m, 17.05.2000, E.Ö. 1262. - Med.

CUCURBITACEAE

Ecballium elaterium (L.) A. Rich.

Yeşilce village, roadside, 900-1000m, 25.07.2001, E.İ., E.Ö. 1365. - Med.

CUSCUTACEAE

Cuscuta planiflora Ten.

Sof mountain, roadside, 1100-1200m, 06.06.2002, E.İ., E.Ö. 1384.

DIPSACACEAE

Cephalaria syriaca (L.) Schrad.

Sof mountain, stony places, roadside, 1100-1200m, 12.07.2001, E.İ., E.Ö. 1363.

Scabiosa argentea L.

Yeşilce village, fieldside, 1000-1100m, widespread, 06.05.2000, E.Ö. 1198.

Scabiosa micrantha Desf.

Yeşilce village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1147.

*ELAEAGNACEAE**Elaeagnus angustifolia* L.

Sofalıci village, near a spring, 1000-1100m, widespread, 04.05.2000, E.Ö. 1102.

*EUPHORBIACEAE**Euphorbia aleppica* L.

Işıklı village, Kuş kayası, stony places, 900-1000m, widespread, 06.06.2002, E.İ., E.Ö. 1380.

Euphorbia anacampseros var. *tmolea* M.S. Khan

Yeşilce village, in grove of oak trees, 900-1000m, 06.05.2000, E.İ., E.Ö. 1249. - Med.

Euphorbia chamaesyce L.

Yeşilce village, waste places, 900-1000m, widespread, 06.05.2000, E.Ö. 1200.

Euphorbia eriophora Boiss.

Işıklı village, in field, 1000-1100m, 06.05.2000, E.Ö. 1202. - Ir-tur.

Euphorbia macroclada Boiss.

Yeşilce village, roadside, 900-1000m, 06.05.2000, E.Ö. 1199. - Ir-tur.

Euphorbia orientalis L.

Işıklı village, in grove of oak trees, stony places, 1000-1100m, 01.05.2000, E.Ö. 1078. - Ir-tur.

Euphorbia phymatosperma Boiss. & Gaill.

Dımışkılı village, slope of hill, 900-100m, widespread, 06.06.2002, E.Ö. 1381.

Euphorbia szovitsii Fisch. & Mey.

Sofalıci village, waste places, 1100-1200m, Ir.- Tur. Elem, 06.05.2000, E.Ö. 1203.

*FAGACEAE**Quercus brantii* Lindl.

Yeşilce village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1217. - Ir-tur.

Quercus coccifera L.

Acaroba village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1216. - Med.

Quercus infectoria subsp. *boissieri* (Reut.) O. Schwarz

Işıklı village, in grove of oak trees, 1000-1100m, 17.11.2001, E.İ., E.Ö. 1370.

Quercus ithaburensis subsp. *macrolepis* (Kotschy) Hedge & Yalt.

Işıklı village, in grove of oak trees, 1000-1100m, 06.05.2001, Y.Z., E.Ö. 1359. - Med.

Quercus libani Olivier

Işıklı village, in grove of oak trees, 1000-1100m, 04.05.2000, E.Ö. 1406. - Med.

*GERANIACEAE**Erodium botrys* (Cav.) Bertol.

Yeşilce village, fieldside, 900-1000m, 06.05.2000, E.Ö. 1218. - Med.

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

Acaroba village, fieldside, 1000-1100m, 18.04.2000, E.Ö. 1031.

Geranium pyrenaicum Burm.f.

Yeşilce village, fieldside, 1100-1200m, 06.05.2000, E.Ö. 1219.

Geranium rotundifolium L.

Işıklı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1220.

Geranium tuberosum L. subsp. *tuberosum*

Yeşilce village, in grove of oak trees, 1000-1100m, 15.04.2000, E.Ö. 1024.

Pelargonium endlicherianum Fenzl

Dimışkılı village, stony places, 1000-1100m, 12.07.2001, E.İ., F. Satıl 1002.

GLOBULARIACEAE

Globularia trichosantha Fisch. & C.A. Mey.

Yeşilce village, stony places, 1100-1200m, widespread, 06.05.2000, E.Ö. 1221.

ILLECEBRACEAE

Paronychia kurdica subsp. *haussknechtii* Chaudhri

Sof mountain, stony places, 1400-1450m, 06.05.2000, E.Ö. 1151.

LAMIACEAE

Ajuga chamaepitys subsp. *laevigata* (Banks & Sol.) P. H. Davis

Dimışkılı village, on rocks, 1100-1200m, 23.04.2000, E.Ö. 1050. - Ir-tur.

Ballota nigra L. subsp. *nigra*

Işıklı village, roadside, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1346. - Eur-sib.

Ballota saxatilis C. Presl subsp. *saxatilis*

Dimışkılı village, stony places, 1100-1200m, 06.05.2000, E.Ö. 1122. - Med.

Eremostachys laciniata (L.) Bunge

Dimışkılı village, roadside, stony area, 1100-1200m, 06.06.2002, E.İ., E.Ö. 1387. - Ir-tur.

Eremostachys moluccelloides Bunge

Işıklı village, Kuş kayası, stony area, 900-1000m, 06.06.2002, E.İ., E.Ö. 1388. - Ir-tur.

Lallemantia canescens (L.) Fisch. & C.A. Mey.

Işıklı village, in field, 1000-1100m, 13.05.2000, E.Ö. 1252. - Ir-tur.

Lamium amplexicaule L.

Işıklı village, in field, 1000-1100m, widespread, 07.04.2000, E.İ., E.Ö. 1015.

Lamium cariense R.R. Mill

Sofahcı village, near a spring, stony area, 900-1000m, 19.06.2000, E.Ö. 1310. - Med.

Lamium garganicum subsp. *reniforme* (Benth.) R.R. Mill

Işıklı village, roadside, stony place, 900-1000m, 06.06.2002, E.Ö. 1389.

Marrubium parviflorum Fisch. & C.A. Mey. subsp. *parviflorum*

Işıklı village, fieldside, 1100-1200m, 06. 05. 2000, E.Ö. 1120. - Ir-tur.

Mentha pulegium L.

Sofahcı village, near a natural spring, 900-1000m, 06. 05. 2000, E.Ö. 1152.

Micromeria myrtifolia Boiss. & Hohen.

Yeşilce village, fieldside, 1100m, 06.05.2000, E.Ö. 1222. - Med.

Moluccella laevis L.

Around Yeşilce village, in field, 900-1000m, 16.06.2000, E.Ö. 1305. - Ir-tur.

Nepeta italica L.

- Dimışkılı village, stony places, 1300-1400m, widespread, 12.07.2001, E.İ., E.Ö. 1364.
- Nepeta nuda* subsp. *albiflora* (Boiss.) Gams
Around Yeşilce village, 900-1000m, 06.06.2002, E.İ., E.Ö. 1390.
- Phlomis armeniaca* Willd.
Dimışkılı village, stony places, 1100-1200m, 26.04.2000, E.Ö. 1067. - Ir-tur.
- Phlomis pungens* var. *hirta* Velen.
Dimışkılı village, roadside, stony place, 1000-1100m, 06.05.2000, E.Ö. 1153.
- Salvia bracteata* Banks & Sol.
Yeşilce village, fieldside, 1100-1200m, widespread, 06.05.2001, E.İ., E.Ö. 1360.
- Salvia ceratophylla* L.
Işıklı village, place called Kuş kayası, stony area, 1000-1100m, 06.05.2001, E.Ö. 1391. - Ir-tur.
- Salvia multicaulis* Vahl
Acaroba village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1223. - Ir-tur.
- Salvia palaestina* Benth
Yeşilce village, fieldside, 1000-1100m, 23.04.2000, E.Ö. 1051. - Ir-tur.
- Salvia pisidica* Benth.
Dimışkılı village, stony places, 1200-1300m, 06.05.2000, E.Ö. 1154. - Ir-tur.
- Salvia russellii* Benth.
Yeşilce village, in field, 900-1000m, 06.05.2000, E.Ö. 1121. - Ir-tur.
- Salvia spinosa* L.
Sofalıçı village, roadside, 1100-1200m, 06.06.2002, E.İ., E.Ö., 1392. - Ir-tur.
- Salvia suffruticosa* Benth.
Acaroba village, stony places, 1000-1100m, 17. 05. 2000, E.Ö. 1278. - Ir-tur.
- Salvia syriaca* L.
Yeşilce village, in field, 1000-1100m, 23.04.2000, E.Ö. 1052. - Ir-tur.
- Salvia tomentosa* Mill.
Işıklı village, roadside, 1000m, 01.05.2000, E.Ö. 1083. - Med.
- Salvia verticillata* L.
2 km north of Işıklı village, fieldside, 1000-1100m, 06.05.2000, E.Ö. 1224. - Ir-tur.
- Scutellaria orientalis* subsp. *alpina* (Boiss.) O. Schwarz var. *alpina*
Dimışkılı village, Big Sof hill, stony places, 1450m, 06.06.2002, E.İ., E.Ö. 1393.
- Scutellaria rubicunda* subsp. *subvelutina* (Rech. f.) J.R. Edm.
Işıklı village, Kuş kayası area, 1100- 1200m, slope of hill, 900-1000m, 06.06.2002, E.İ., E.Ö. 1394. - Med.
- Sideritis condensata* Benth.
Işıklı village, fieldside, 1000-1100m, 06.05.2000, E.Ö. 1225. - Med.
- Sideritis libanotica* subsp. *microchlamys* (Hand.-Mazz.) Hub.-Mor.
Dimışkılı village, stony places, 1300-1400m, 06.05.2000, E.Ö. 1155. - Ir-tur.
- Sideritis montana* L. subsp. *montana*
Yeşilce village, in grove of oak trees, 1000-1100m, 23.04.2000, E.Ö. 1053. - Med.
- Stachys cretica* subsp. *vacillans* Rech. f.
Dimışkılı village, fieldside, 1000-1100m, 17.05.2000, E.İ., E.Ö. 1279. - Med.
- Stachys pumila* Banks & Sol.

Dimışıklı village, Big Sof hill, stony area, 1200-1300m, 12.07.2001, E.Ö. 1372. - Med.

Teucrium capitatum L.

Işıklı village, fieldside, 1000-1100m, widespread, 06.05.2000, E.İ., E.Ö. 1226.

Teucrium multicaule Benth.

Işıklı village, roadside, 1100-1200m, 04.05.2001, Y.Z., E.Ö. 1347. - Ir-tur.

Teucrium orientale L.

Yeşilce village, in grove of oak trees, 1000-1100m, 04.06.2000, E.Ö. 1298. - Ir-tur.

Thymbra spicata L. var. *spicata*

Hills of Yeşilce village, fieldside, 900-1000m, 06.05.2000, E.Ö. 1272. - Med.

Wiedemannia orientalis Fisch. & C.A. Mey.

Işıklı village, waste place, 900-1000m, 23.04.2000, E.Ö. 1054. - Ir-tur.

Ziziphora capitata L.

Dimışıklı village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1228. - Ir-tur.

Ziziphora tenuior L.

Yeşilce village, waste places, 900-1000m, 06.08.2000, E.Ö. 1324. - Ir-tur.

LEGUMINOSAE

Anthyllis vulneraria subsp. *rubriflora*

Yeşilce village, in grove of oak trees, 950-1100m, 20.04.2000, E.Ö. 1042. - Med.

Astragalus aintabicus Boiss.

Işıklı village, roadside, 1100-1200m, 04.05.2001, Y.Z., E.Ö. 1343.

Astragalus cephalotes Banks & Sol.

Işıklı village, in grove of oak trees, 1100-1200m, 04.05.2001, Y.Z. E.Ö. 1344.

Astragalus declinatus Willd.

Yeşilce village, in grove of oak trees, 1000-1100m, 06.05.2000, E.Ö. 1148. - Ir-tur

Astragalus densifolius Lam.

Acaroba village, in grove of oak trees, 950-1100m, 23.04.2000, E.Ö. 1049.

Astragalus diptherites Fenzl var. *diptherites*

Sofalıcı village, 1000-1100m, 06.05.2000, E.Ö. 1201. - Ir-tur.

Astragalus lydius Boiss.

2 km W of Işıklı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1204. - Ir-tur.

Astragalus macrocephalus subsp. *finitimus* (Bunge) D.F. Chamb.

Yeşilce village, slope of hill, 1000-1100m, 20.04.2000, E.Ö. 1040. - Ir-tur.

Astragalus suberosus subsp. *ancyleus* (Boiss.) V.A. Matthews

Yeşilce village, in grove of oak trees, 1000-1100m, 01.05.2000, E.Ö. 1079.

Cicer arietinum L.

Sof mountain, in field, 900-1000m, 17.05.2000, E.Ö. 1265.

Cicer pinnatifidum Jaub. & Spach

Dimışıklı village, stony places, 1200-1300m, 17.05.2000, E.Ö. 1266.

Coronilla orientalis Mill.

Yeşilce village, in grove of oak trees, 1000-1100m, 06.05.2000, E.Ö. 1205.

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

Yeşilce village, fieldside, 950-1100m, 25.04.2000, E.Ö. 1060. - Ir-tur.

Hedysarum kotschyi Boiss.

- Dımişkılı village, stony places, 1200-1300m, 06.06.2002, E.İ., E.Ö. 1382. - Ir-tur.
Lathyrus elongatus (Bornm.) Širj.
 Işıklı village, in field, 1000-1100m, 17.05.2000, E.Ö. 1267.
Lathyrus sativus L.
 Işıklı village, in grove of oak trees, 1000-1100m, widespread, 26.04.2000, E.Ö. 1063.
Lens nigricans (M. Bieb.) Godr.
 Işıklı village, roadside, 1100-1200m, 17.05.2001, Y.Z., E.Ö. 1367. - Med.
Lens orientalis (Boiss.) Hand.-Mazz.
 Yeşilce village, roadside, 900-1000m, 17.05.2000, E.Ö. 1268.
Lotus gebelia Vent. var. *gebelia*
 Yeşilce village, field side, 900-1000m, 25.04.2000, E.Ö. 1059.
Lotus gebelia var. *hirsutissimus* (Ledeb.) Dinsm.
 Işıklı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1149.
Medicago orbicularis (L.) Bartal.
 Işıklı village, waste places, 1100m, 06.05.2000, E.Ö. 1206.
Medicago radiata L.
 Acaroba village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1209. - Ir-tur.
Onobrychis cornuta (L.) Desv.
 Işıklı village, roadside, 900-1000m, 06.05.2000, E.Ö. 1207. - Ir-tur.
Onobrychis galegifolia Boiss.
 Yeşilce village, roadside, 900-1000m, 06.05.2000, E.Ö. 1208. - Ir-tur.
Onobrychis gracilis Besser
 Işıklı village, fieldside, 1000-1100m, 06.05.2000, E.Ö. 1150.
Pisum sativum subsp. *elatius* var. *pumila* Meikle
 Işıklı village, roadside, stony places, 1000-1100m, 17.05.2000, E.Ö. 1269. - Med.
Psoralea jaubertiana Fenzl
 Dımişkılı village, stony places, 1100-1200m, 07.04.2000, E.Ö. 1016. - Ir-tur.
Trifolium caudatum Boiss.
 Yeşilce village, waste places, 900-1000m, 06.05.2000, E.Ö. 1210.
Trifolium grandiflorum Schreb.
 Sofalıcı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1212. - Med.
Trifolium haussknechtii var. *candollei* (Post) M. Hossain
 Yeşilce village, roadside, 900-1000m, 17.05.2000, E.Ö. 1270. - Ir-tur.
Trifolium pauciflorum d'Urv.
 North slope of hill, 1000m, 01.05.2000, E.Ö. 1080. - Med.
Trifolium pratense L. subsp. *pratense*
 Acaroba village, fieldside, 900-1000m, 17.05.2000, E.Ö. 1271.
Trifolium purpureum Loisel.
 Işıklı village, fieldside, 1000-1100m, 06.05.2000, E.Ö. 1126.
Trifolium repens L. var. *repens*
 Yeşilce village, waste places, 900-1000m, 06.05.2000, E.Ö. 1211.
Trifolium stellatum L. var. *stellatum*
 Dımişkılı village, fieldside, 1000-1100m, 01.05.2000, E.Ö. 1081.
Trigonella coelesyriaca Boiss.
 Yeşilce village, roadside, 900-1000m, 17.05.2000, E.Ö. 1272. - Ir-tur.

Vicia alpestris Steven

Işıklı village, waste places, 1000-1100m, 17.05.2000, E.Ö. 1273.

Vicia assyriaca Boiss.

Işıklı village, roadside, 1000-1100m, 26.04.2001, E.İ., E.Ö. 1333. - Ir-tur.

Vicia cracca subsp. *stenophylla* Velen.

Işıklı village, fieldside, 1100-1200m, widespread, 06.05.2000, E.Ö. 1124.

Vicia cuspidata Boiss.

Işıklı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1213. - Med.

Vicia faba L.

Işıklı village, fieldside, 1100-1200m, 06.05.2000, E.Ö. 1125.

Vicia grandiflora Scop. var. *grandiflora*

Yeşilce village, waste places, 900-1000m, 06.05.2000, E.Ö. 1214. - Med.

Vicia michauxii Spreng. var. *michauxii*

Işıklı village, fieldside, 1000-1100m, 26.04.2000, E.Ö. 1064.

Vicia narbonensis L.

Işıklı village, roadside, 1000-1100m, widespread, 17.05.2000, E.Ö. 1274.

Vicia pannonica Crantz var. *pannonica*

Yeşilce village, fieldside, 1000m, 06.05.2000, E.Ö. 1215.

Vicia peregrina L.

Işıklı village, roadside, 1000-1100m, widespread, 17.05.2000, E.Ö. 1275.

Vicia sativa L. var. *segetalis* (Thuill.) DC.

Dımışıklı village, fieldside, 1100-1200m, 01.05.2000, E.Ö. 1082.

LINACEAE

Linum aretioides Boiss.

Yeşilce village, fieldside, 1000-1100m, 06.05.2000, E.Ö. 1158.

Linum cariense Boiss.

Işıklı village, roadside, 1100-1200m, 06.05.2000, E.Ö. 1415. - Ir-tur.

Linum catharticum L.

Yeşilce village, waste places, 900-1000m, 15.04.2000, E.Ö. 1026. - Eur-sib.

Linum mucronatum subsp. *orientale* (Boiss.) P.H. Davis

Sof mountain, roadside, slope area, 1200-1300m, 01.05.2000, E.Ö. 1087.

MALVACEAE

Alcea digitata (Boiss.) Alef.

Around Yeşilce village, roadside, 1100-1200m, 06.05.2000, E.Ö. 1230. - Ir-tur.

Alcea pallida Waldst. & Kit.

Yeşilce village, roadside, 900-1000m, 06.05.2000, E.Ö. 1157.

Malva sylvestris L.

Işıklı village, roadside, 1100-1200m, 06.05.2000, E.Ö. 1156.

MORACEAE

Ficus carica subsp. *rupestris* (Boiss.) Browicz

Sof mountain, at the slopes, 1100-1200m, 17.06.2000, E.Ö. 1311. - Ir-tur.

*MORINACEAE**Morina persica* L.

Işıklı village, Kuş kayası area, roadside, waste places, 900-1000m, 06.06.2002, E.İ., E.Ö. 1408. - Ir-tur.

*OLEACEAE**Fraxinus angustifolia* subsp. *syriaca* (Boiss.) Yalt.

Yeşilce village, in grove of oak trees, 1000-1100m, 06.05.2000, E.Ö. 1231. - Ir-tur.

Jasminum fruticans L.

Işıklı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1161. - Med.

Olea europaea L. var. *europaea*

Yeşilce village, fieldside, 1000-1100m, 06.05.2000, E.Ö. 1232. - Med.

*OROBANCHACEAE**Orobanche alba* Willd.

Yeşilce village, fieldside, 900-1000m, 06.05.2000, E.Ö. 1233.

Orobanche anatolica Boiss. & Reut.

Işıklı village, Kuş kayası area, slope places, 900-1000m, 06.06.2002, E.İ., E.Ö. 1409.

Orobanche caryophyllacea Sm.

Işıklı village, in Lentil field, 1000-1100m, 17. 05. 2000, E.Ö. 1281.

Phelypaea coccinea (M. Bieb.) Poir.

Around Sofalıcı village, waste places, 1000-1100m, 06.05.2000, E.Ö. 1162. - Ir-tur.

*PAPAVERACEAE**Corydalis henrikii* Lidén

Hills of Yeşilce village, on stone, 900-1000m, 22.03.2000, E.Ö. 1008.

Fumaria asepala Boiss.

Hills of Yeşilce village, fieldside, 900-1000m, 06.05.2000, E.Ö. 1163. - Ir-tur.

Hypocoum imberbe Sm.

Yeşilce village, fieldside, 900-1000m, widespread, 01.05.2000, E.Ö. 1088.

Papaver orientale L.

Işıklı village, in field, 1000-1100m, 06.05.2000, E.Ö. 1234.

Papaver paucifoliatum (Trautv.) Fedde

Sofalıcı village, roadside, 1000-1100m, 01.05.2000, E.Ö. 1089. - Ir-tur.

Papaver rhoeas L.

Sofalıcı village, roadside, waste places, 1000-1100m, widespread, 01.05.2000, E.Ö. 1090.

*PLANTAGINACEAE**Plantago lanceolata* L.

Işıklı village, roadside, 1000-1100m, 04.05.2000, E.Ö. 1103.

*PLUMBAGINACEAE**Acantholimon venustum* Boiss. var. *venustum*

Işıklı village, roadside, 1000-1100m, 17.11.2001, E.İ., E.Ö. 1373. - Ir-tur.

*POLYGONACEAE**Atraphaxis billardieri* Jaub. & Spach var. *billardieri*

Dımışıklı village, stony places, 1200-1300m, 17.05.2000, E.Ö. 1410. - Ir-tur.

Rumex chalepensis Mill.

Işıklı village, roadside, 1000-1100m, 05.06.2000, E.Ö. 1300.

*PRIMULACEAE**Anagallis arvensis* L. var. *arvensis*

Işıklı village, field side, 900-1000m, 26.05.2000, E.Ö. 1295.

*PUNICACEAE**Punica granatum* L.

Yeşilce village, in field, 900-1000m, 06.06.2000, E.Ö. 1131.

*RANUNCULACEAE**Adonis aestivalis* L. subsp. *aestivalis*

Acaroba village, in grove of oak trees, 900-1000m, widespread, 15.04.2000, E.Ö. 1027.

Adonis flammea Jacq.

Around Sofalıcı village, waste places, steppe, 1200-1300m, widespread, 06.05.2000, E.Ö. 1169.

Anemone blanda Schott & Kotschy

Around Acaroba village, in grove of oak trees, 900-1000m, 15.04.2000, E.Ö. 1028.

Ceratocephalus falcatus (L.) Pers.

Hills of Yeşilce village, stony places, 1000-1100m, widespread, 20.04.2000, E.Ö. 1041.

Consolida oliveriana (DC.) Schrödinger

1 km to Işıklı village, roadside stony area, 1000-1100m, 06.05.2000, E.Ö. 1238. - Ir-tur.

Consolida orientalis (Gay) Schrödinger

1 km to Işıklı village, roadside, stony area, 900-1000m, widespread, 06.05.2000, E.Ö. 1168.

Helleborus vesicarius Aucher

Around Yeşilce village, stony places, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1411. - Med.

Nigella arvensis var. *caudata* Boiss.

Hills of Yeşilce village, stony places, 900m, 06.05.2000, E.Ö. 1130.

Ranunculus argyreus Boiss.

Acaroba village, in grove of oak trees, 900-1000m, 15.04.2000, E.Ö. 1029.

Ranunculus asiaticus L.

1 km to Işıklı village, in grove of oak trees, 1000-1100m, 06.05.2000, E.Ö. 1240.

Ranunculus arvensis L.

Acaroba village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1239.

Ranunculus ficaria subsp. *ficariiformis* (F.W. Schultz) Rouy & Foucaud

1 km to Yeşilce village, waste places, 900-1000m, 15.04.2000, E.Ö. 1030.

Ranunculus isthmicus subsp. *stepporum* P.H. Davis

Yeşilce village, waste places, 900-1000m, 15.04.2000, E.Ö. 1412.

RESEDACEAE

Reseda lutea L.

Dımsıklı village, field side, 1200-1300m, widespread, 17.05.2000, E.Ö. 1282.

RHAMNACEAE

Paliurus spina-christi Mill.

1 km to Işıklı village, roadside, 1000-1100m, 04.05.2000, E.Ö. 1105.

Rhamnus alaternus L.

1 km to Işıklı village, in grove of oak trees, 1000-1100m 26.05.2000, E.Ö. 1296.

Rhamnus microcarpa Boiss.

Işıklı village, fieldside, 1100-1200m, 26.10.2000, E.Ö. 1326. - Eur-sib.

Rhamnus oleoides subsp. *graecus* (Boiss. & Reut.) Holmboe

Sof mountain, stony places, 1300-1400m, 26.10.2000, E.Ö. 1327. - Med.

Rhamnus pallasii Fisch. & C.A. Mey.

Around Yeşilce vilage, in grove of oak trees, 1000-1100m, 06.05.2000, E.Ö. 1129.

Rhamnus punctatus Boiss. var. *punctatus*

1 km to Işıklı village, fieldside, 1000-1100m, 04.05.2000, E.Ö. 1106.

ROSACEAE

Amygdalus arabica Oliv.

Acaroba village, roadside, 900-1000m, 03.04.2000, E.Ö. 1014. - Ir-tur.

Amygdalus communis L.

Dımsıklı village, in field, 1300-1400m, widespread, 15.04.2000, E.Ö. 1413.

Amygdalus lycioides Spach var. *lycioides*

1 km to Işıklı village, in grove of oak trees, 1100-1200m, 23.04.2000, E.Ö. 1055.

Amygdalus orientalis Mill.

1 km to Işıklı village, in field, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1348. - Ir-tur.

Amygdalus vulgaris Lam.

Işıklı village, in field, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1349.

Cerasus mahaleb (L.) Mill.

1 km to Işıklı village, in grove of oak trees, 1000-1100m, widespread, 06.05.2000, E.Ö. 1170.

Cerasus microcarpa (C.A. Mey.) Boiss. subsp. *microcarpa*

1 km to Işıklı village, roadside, stony places, 1000-1100m, 24.04.2000, E.Ö. 1057. - Ir-tur.

Cerasus microcarpa subsp. *tortuosa* (Boiss. & Hausskn.) Browicz

Işıklı village, stony places, 1100-1200m, 26.04.2000, Y.Z., E.Ö. 1071. - Ir-tur.

Cotoneaster morulus Pojark.

Dımsıklı village, stony places, 1400 m, 26.10.2000, E.Ö. 1328.

Cotoneaster nummularia Fisch. & C.A. Mey.

Yeşilce village, roadside, stony places, 1000- 1100m, 04.05.2001, Y.Z., E.Ö. 1350.

Crataegus microphylla K. Koch

Sofalıcı village, waste places, 1100-1200m, 26.10.2000, E.Ö. 1329. - Eur-sib.

Crataegus monogyna Jacq. subsp. *monogyna*

Around Işıklı village, in grove of oak trees, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1351.

Crataegus orientalis M. Bieb.

Around Işıklı village, roadside, 1000-1100 m, widespread, 26.10. 2000, E.Ö. 1177.

Crataegus sinaica Boiss.

Dımışıklı village, stony places, 1400-1500m, 26.10.2000, E.Ö. 1330. - Ir-tur.

Malus sylvestris Mill.

Işıklı village, in field, 1000-1100m, 30.04.2000, E.Ö. 1075.

Potentilla reptans L.

Yeşilce village, in grove of oak trees, 1000-1100m, widespread, 17.05.2000, E.Ö. 1283.

Prunus divaricata Ledeb. subsp. *divaricata*

1 km to Işıklı village, roadside, 1000-1100m, widespread, 04.05.2001, Y.Z., E.Ö. 1352.

Pyrus syriaca Boiss. var. *syriaca*

Işıklı village, roadside, 1000-1100m, 30.03.2000, E.Ö. 1013.

Rosa canina L.

Işıklı village, roadside, 1000-1100m, 04.05.2001, Y.Z., E.Ö.1357.

Rosa foetida Herrm.

Işıklı village, roadside, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1356. - Ir-tur.

Rubus sanctus Schreb.

Işıklı village, roadside, 1000-1100m, 04.05.2001, Y.Z., E.Ö. 1355. - Med.

Sanguisorba minor subsp. *magnolii* (Spach) Briq.

Around Sofalıcı village, roadside, 1000-1100m, 26.04.2000, E.Ö. 1072.

Spiraea hypericifolia L.

1 km to Işıklı village, fieldside, 900-1000m, 04.05.2001, Y.Z., E.Ö. 1354.

*RUBIACEAE**Asperula arvensis* L.

Işıklı village, in field, 900-1000m, 19.06.2000, E.Ö. 1318. - Med.

Cruciata articulata (L.) Ehrend.

Acaroba village, in grove of oak trees, 1000-1100m, 19.06.2000, E.Ö. 1314. - Ir-tur.

Cruciata taurica (Willd.) Ehrend.

1 km to Işıklı village, roadside, 1000-1100m, 17.05.2000, E.Ö. 1284. - Ir-tur.

Galium tricornerutum Dandy

Dımışıklı village, roadside, waste places, 1100-1200m, 06.06.2002, E.İ., E.Ö. 1399. - Med.

Galium spurium L.

1 km after Sofalıcı village, stony places, 1000- 1100m, 18.04.2000, E.Ö. 1038. - Eur-sib.

Galium scabrifolium (Boiss.) Hausskn.

2 km after Sofalıcı village, roadside, in grove of oak trees, 1000-1100m, 06.06.2002, E.Ö. 1400. - Med.

Galium verum L.

Yeşilce village, fieldside, 900-1000m, 19.06.2000, E.Ö. 1315. - Eur-sib.

Rubia tinctorum L.

Işıklı village, in grove of oak trees, 1000-1100m, 17.05.2000, E.Ö. 1285. - Ir-tur.

SALICACEAE

Salix pedicellata Desf.

Sofalıcı village, near spring water, stony place, 1000-1100m, 04.05.2000, E.Ö. 1107.
- Med.

Salix triandra L.

Sofalıcı village, 900-1000m, 06.06.2002, E.İ., E.Ö. 1401. - Ir-tur.

SAXIFRAGACEAE

Saxifraga hederacea var. *libanotica* (Bornm) V.A. Matthews

Işıklı village, on stone, 1000-1100m, 06.05.2000, E. Ö. 1241.

Saxifraga tridactylis L.

1 km after Sofalıcı village, on stone, 1000-1100m, 17.11.2001, E.İ., E.Ö. 1371.

SCROPHULARIACEAE

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

Hills of Sofalıcı village, in grove of oak trees, 1100-1200m, 06.05.2000, E.Ö. 1413. -
Med.

Linaria grandiflora Desf.

Yeşilce village, fieldside, 1100-1200m, 06.05.2000, E.Ö. 1242. - Ir-tur.

Scrophularia canina subsp. *bicolor* (Sm.) Greuter

Dımsıklı village, stony places, 1200-1300m, 06.05.2000, E.Ö. 1147. - Med.

Scrophularia libanotica Boiss. subsp. *libanotica*

Işıklı village, roadside, on stone, 1000-1100m, 06.05.2000, E.Ö. 1173. - Med.

Scrophularia orientalis L.

Hills of Yeşilce village, fieldside, 1000-1100m, 06.05.2000, E.Ö. 1243. - Ir-tur.

Scrophularia xanthoglossa Boiss.

1 km from Sofalıcı village, in grove of oak trees, 1100-1200m, 06.05.2000, E.Ö.
1244. - Ir-tur.

Verbascum germanicae Hausskn.

Dımsıklı village, stony places, 1450m, 06.06.2002, E.İ., E.Ö. 1402. - Med.

Verbascum infidelium Boiss. & Hausskn.

1 km from Sofalıcı village, waste places, 1100-1200m, 19.06.2000, E.Ö. 1316. -
Med.

Verbascum lasianthum Benth.

1 km from Sofalıcı village, waste places, 1000-12100m, widespread, 19.06.2000,
E.Ö. 1317.

Veronica hederifolia L.

Around Dımsıklı village, waste places, 1200-1300m, widespread, 16.05.2000, E.Ö.
1297.

Veronica triphyllos L.

Dimişkili village, roadside, stony place, 1200-1300m, widespread, 06.05.2000, E.Ö. 1171.

SOLANACEAE

Hyocyamus aureus L.

Işıklı village, waste places, 1100-1200m, 06.05.2000, E.Ö. 1245. - Med.

Hyocyamus reticulatus L.

Sofalıcı village, waste places, 1100-1200m, 06.05.2000, E.Ö. 1172. - Ir-tur.

TAMARICACEAE

Tamarix smyrnensis Bunge

Sofalıcı village, by a spring, stony place, 900-1000m, 20.05.2001, Y.Z., E.Ö. 1366.

ULMACEAE

Celtis tournefortii Lam.

Yeşilce village, roadside, 900-1000m, 25.06.2000, E.Ö. 1319.

URTICACEAE

Parietaria lusitanica L.

After Işıklı village, roadside, stony places, 1000-1100m, 17.05.2000, E.Ö. 1289. - Med.

VALERIANACEAE

Valeriana dioica L.

Dimişkılı village, stony places, 1100-1200m, 04.05.2001, Y.Z., E.Ö. 1353. - Eur-sib.

Valeriana officinalis L.

Hills of Yeşilce village, stony place, 900-1000m, 06.05.2000, E.Ö. 1135.

VIOLACEAE

Viola tricolor L.

Yeşilce village, in grove of oak trees, 900-1000m, 25.04.2000, E.Ö. 1058.

ZYGOPHYLLACEAE

Peganum harmala L.

Yeşilce village, roadside, 900-1000m, 17.05.2000, E.Ö. 1290.

MONOCOTYLEDONES

AMARYLLIDACEAE

Galanthus fosteri Baker

Sofalıcı village, stony places, 1100-1200 m, 17.02.2002, E.İ., E.Ö. 1374. - Med.

Ixiolirion tataricum subsp. *montanum* (Labill.) Takht.

Işıklı village, roadside, 1100-1200 m, 06. 05. 2000, E.Ö.1108. - Ir-tur.

ARACEAE

Arum balansanum R.R. Mill

Acaroba village, in grove of oak trees, 900-1000m, 23.04.2000, E.Ö. 1044. - Med.

Arum conophalloides Schott var. *conophalloides*

Yeşilce village, fieldside, 900-1000m, 23.04.2000, E.Ö. 1045.

GRAMINEAE

Aegilops cylindrica Host

1 km from Işıklı village, roadside, 1000-1100m, 06.06.2002, E.İ., E.Ö. 1395. - Ir-tur.

Aegilops triuncialis L. subsp. *triuncialis*

Around Yeşilce village, slope places, 900-1000m, widespread, 06.05.2000, E.Ö. 1235.

Aegilops umbellulata Zhuk. subsp. *umbellulata*

2 km from Sofalıcı village, waste place, 1200-1300m, 06.05.2000 E.Ö. 1164. - Ir-tur.

Avena barbata Link subsp. *barbata*

Around Yeşilce village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1165. - Med.

Avena eriantha Durieu

Işıklı village, roadside, 1000-1100m, 04.05.2000, E.Ö. 1104.

Briza humilis M. Bieb.

1 km from Işıklı village, roadside, 1000-1100m, 06.06.2002, E.İ., E.Ö. 1397.

Bromus japonicus Thunb. subsp. *japonicus*

Around Acaroba village, roadside, 900- 1000m, widespread, 06.05.2000, E.Ö. 1236.

Bromus scoparius L.

Işıklı village, roadside, 100-1100m, 06.06.2002, E.Ö. 1398.

Chrysopogon gryllus (L.) Trin subsp. *gryllus*

Around Yeşilce village, fieldside, 900-1000m, widespread, 26.05.2000, E.Ö. 1294.

Dactylis glomerata subsp. *hispanica* (Roth) Nyman

1 km from Işıklı village, roadside, 1000-1100m, 06.05.2000, E.Ö. 1128.

Elymus hispidus (Opiz) Melderis subsp. *hispidus*

Around Yeşilce village, in grove of oak trees, 900-1000m, 06.05.2000, E.Ö. 1166.

Festuca pratensis Huds.

Around Acaroba village, stony places, 900-1000m, 06.05.2000, E.Ö. 1127.

Glyceria maxima (Hartm.) Holmb.

Around Yeşilce village, roadside, 1000-1100m, 18.05.2000, E.Ö. 1292.

Hordeum distichon L.

Yeşilce village, fieldside, 900-1000m, 18.06.2000, E.Ö. 1312.

Hordeum bulbosum L.

1 km to Işıklı village, roadside, 1100-1200m, widespread, 18.05.2000, E.Ö. 1293.

Koeleria cristata (L.) Pers.

1 km to Işıklı village, roadside, 1100-1200m, widespread, 18.04.2000, E.Ö. 1037.

Lolium subulatum (Banks & Sol.) Eig

Around Sofalıcı village, waste places, 1100-1200m, 18.06.2000, E.Ö. 1313. - Ir-tur.

Melica persica subsp. *jacquemontii* (Jacquem.) P.H. Davis

1 km to Işıklı village, roadside, 1000-1100m, 01. 05.2000, E.Ö. 1091. - Ir-tur.

Phleum bertolonii DC.

1 km from Sofalıcı village, waste places, 1000-1100m, 06.05.2000, E.Ö. 1167.

Phleum pratense L.

Sofalıcı village, roadside, waste places, 1100-1200m, 06.05.2000, E.Ö. 1237. - Eur-sib.

Poa bulbosa L.

Yeşilce village, fieldside, 1000-1100m, 24.04.2000, E.Ö. 1056.

Stipa ehrenbergiana Trin. & Rupr.

Around Yeşilce village, fieldside, 900-1000m, 01.05.2000, E.Ö. 1092. - Ir-tur.

IRIDACEAE

Crocus biflorus subsp. *pseudonubigena* B. Mathew

Yeşilce village, in grove of oak trees, stony places, 1000 - 1100 m, 28.10.1999, E.Ö. 1001. - Ir-tur.

Crocus cancellatus Herb. subsp. *cancellatus*

Sofalıcı village, stony places, 1200- 1300m, 11.11.2000, E.Ö. 1331. - Med.

Gladiolus atroviolaceus Boiss.

Yeşilce village, in grove of oak trees, 1000-1100m, 26. 04. 2000, E.Ö. 1065. - Ir-tur

Gynandrisis sisyrinchium (L.) Parl.

Yeşilce village, waste places, 1000-1100 m, 26. 04. 2000, E.Ö. 1066.

Iris persica L.

Yeşilce village, in grove of oak trees, 1000-1100m, 13. 03. 2000, E.Ö. 1005. - Ir-tur.

Iris reticulata M. Bieb.

Hills of Yeşilce village, in grove of oak trees, 1100-1200m, 14.03. 2000, E.Ö. 1006. - Ir-tur.

Iris histrio var. *aintabensis* G.P. Baker

Hills of Yeşilce village, in grove of oak trees, 1100-1200m, 14. 03. 2000, E.Ö. 1405. - Ir-tur.

Iris sari Baker

Işıklı village, roadside, 1100-1200m, 18. 04. 2000, E.Ö. 1032. - Ir-tur.

LILLACEAE

Allium noeanum Regel

Yeşilce village, slopes, 1000-1100m, 01. 05. 2000, E.Ö. 1084. - Ir-tur.

Allium orientale Boiss.

Yeşilce village, waste places, 1000-1100m, 15.04.2000, E.Ö. 1025. - Ir-tur.

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

Yeşilce village, waste places, 1000-1100m, 26.04.2000, E.Ö. 1068. - Med.

Asphodeline baytopae Tuzlacı

Işıklı village, in grove of oak trees, 1000- 1100m, 06. 05. 2000, E.Ö. 1159. - Med.

Asphodeline taurica (Pall.) Kunth

Yeşilce village, in grove of oak trees, 1000-1100m, 06. 05. 2000, E.Ö. 1407. - Med.

Colchicum szovitsii Fisch. & C.A. Mey.

Yeşilce village, in grove of oak trees, 1100-1200m, 18.10.2000, E.Ö. 1325. - Ir-tur.

Colchicum troodi Kotschy

Işıklı village, roadside, 1000-1100m, 05.10.2002, E.İ., B. Çakır 1419. - Med.

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

Yeşilce village, field side, 900-1000m, 26.03.2000, E.Ö. 1009.

Gagea peduncularis (J. Presl & C. Presl) Pascher

Işıklı village, field side, 1000-1100m, 29.03.2000, E.Ö. 1010. - Med.

Hyacinthella nervosa (Bertol.) Chouard

Acaroba village, in grove of oak trees, 1000-1100m, 06. 03. 2000, E.Ö. 1003. - Ir-tur.

Hyacinthus orientalis L. subsp. *orientalis*

Around Acaroba village, waste places, 1100-1200m, 14.03. 2000, E.Ö. 1007. - Med.

Muscari comosum (L.) Mill.

Around Yeşilce village, hills, in grove of oak trees, 1000-1100 m, 26. 04. 2000, E.Ö. 1069. - Med.

Muscari longipes Boiss.

Yeşilce village, in grove of oak trees, 900-1000m, 29.03.2000, E.Ö. 1011. - Ir-tur.

Muscari neglectum Ten.

Around Yeşilce village, hills, in grove of oak trees, 1000-1100m, widespread, 29. 03. 2000, E.Ö. 1012.

Ornithogalum alpigenum Stapf

Yeşilce village, waste places, 900-1000m, 01.05.2000, E.Ö. 1085. - Med.

Ornithogalum narbonense L.

Sof mountain, roadside, slope places, 1200-1300m, widespread, 06. 05.2000, E.Ö. 1250.

Ornithogalum platyphyllum Boiss.

Yeşilce village, field side, 900-1000m, 01.05.2000, E.Ö. 1086. - Ir-tur.

Ornithogalum umbellatum L.

Işıklı village, waste places, 1000-1100m, 06.05.2000, E.Ö. 1229.

Scilla melaina Speta

1 km from Işıklı village, on rocks, 1000- 1100m, 09. 03. 2000, E.Ö. 1004. - Med.

Tulipa sintenisii Baker

Sofalıci village, roadside, 1100 - 1200m, 26. 04. 2000, E.Ö. 1070. - Ir-tur.

ORCHIDACEAE

Himantoglossum affine (Boiss.) Schltr.

Işıklı village, in grove of oak trees, 1000-1100m, 17.05.2000, E.Ö. 1414. - Med.

Orchis anatolica Boiss.

Around Yeşilce village, in grove of oak trees, 1000-1100 m, 17. 05. 2000, E.Ö. 1280. - Med.

Orchis collina Banks & Sol.

Yeşilce village, in grove of oak trees, 1000-1100m, 06. 05. 2000, E.Ö. 1160. - Med.

