About Us

Home > About Us

SJASS Mission Statement

SJASS is Peer Reviewed and Open Access Scientific Journal!

The mission of the Scottish Journal of Arts, Social Sciences and Scientific Studies (SJASS) is to publish empirical research articles, original research reports, reviews, short communications and scientific commentaries in the fields of Arts, Social Sciences and Scientific Studies.

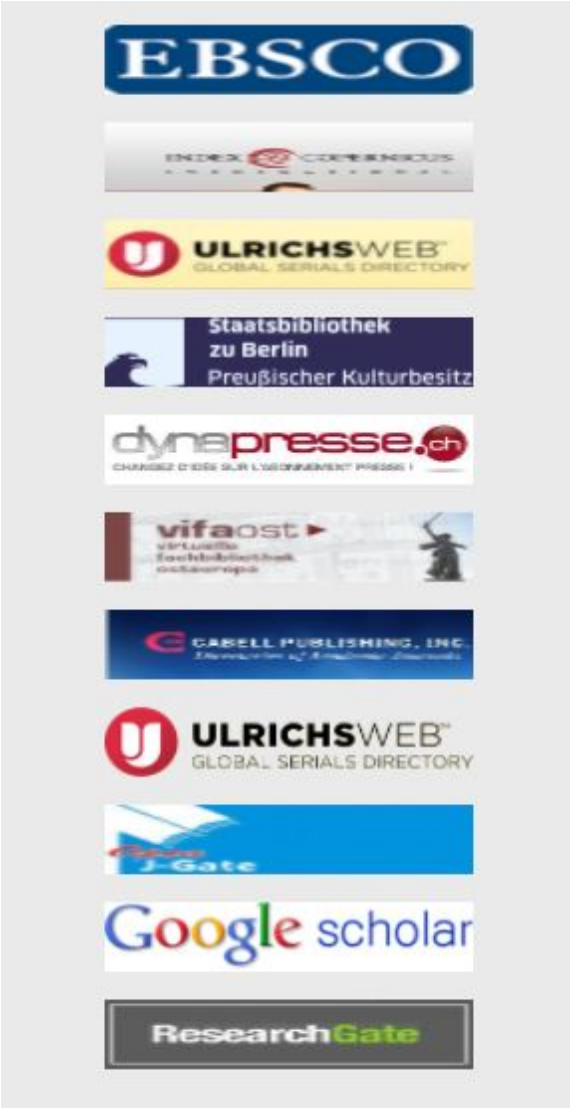
The journal adopts a broad-ranging view of social studies, charting new questions and new research, and mapping the transformation of scientific studies in the years to come.

The journal is interdisciplinary bringing together articles from a textual, Aquaculture, Archaeology, philosophical, and social scientific background, as well as from cultural studies. It engages in critical discussions concerning gender, class, sexual preference, ethnicity and other macro or micro sites of political struggle.

Other major topics of emphasis are Anthropology, Behavioral Science, Biological Sciences, Business and Management, Antarctic Studies, Area studies, Astronomy, Economics, Education, Environmental Sciences, European Studies, Geography, Government Policy, Law, Philosophy, Politics, Psychology, Social Welfare, Sociology, Statistics, Women's Studies. However, research in all social science and pure science fields are welcome.



SJASS Can Be Viewed At



Copyright © 2023 Scottish Journal | Powered by Avril WordPress Theme

Scottish Journal of Arts, Social Sciences and Scientific Studies - ISSN 2047-1278
http://scottishjournal.co.uk

Flora of Karaköy (Bilecik-Turkey) and Its Environs

Onur Koyuncu
Eskişehir Osmangazi University, Faculty of Science and Art, Department of Biology, 26480, Meşelik-Eskişehir, Turkey.

Ö. Koray Yaylacı
Eskişehir Osmangazi University, Faculty of Science and Art, Department of Biology, 26480, Meşelik-Eskişehir, Turkey.

Okan Sezer
Eskişehir Osmangazi University, Faculty of Science and Art, Department of Biology, 26480, Meşelik-Eskişehir, Turkey.

Kurtuluş Özgişi
Eskişehir Osmangazi University, Faculty of Science and Art, Department of Biology, 26480, Meşelik-Eskişehir, Turkey.

Derviş Öztürk
Eskişehir Osmangazi University, Faculty of Science and Art, Department of Biology, 26480, Meşelik-Eskişehir, Turkey.

Süleyman Tokur
Eskişehir Osmangazi University, Faculty of Science and Art, Department of Biology, 26480, Meşelik-Eskişehir, Turkey.

Abstract

In this study, vascular flora of Karaköy (Bilecik-Turkey) and its environs were investigated between 1996 and 2012. Our study area comprises Karaköy (Bilecik-Turkey) and 17 villages (Fig. 1). It is located at the junction point of A2, A3, B2 and B3 squares according to the grid system adopted in the Flora of Turkey and Aegean Islands. The flora of study area consisted of 546 taxa including 544 species, 1 subspecies and 1 variety belonging to 345 genera of 80 families. Among these, 46 taxa (2 taxa VU, 5 taxa NT, 3 taxa CD and 36 taxa LC) are endemic to Turkey and the ratio of endemism is 8.42 %. Distribution of taxa according to their floristic region reveals that the Mediterranean elements are the most abundant with 16.85 % (92 taxa). Ratio of Euro-Siberian elements is 14.28 % (78 taxa) and this is followed by Irano-Turanian elements with 8.06 % (44 taxa). The rest 322 taxa (60.81 %) are elements of one or more floristic regions or their floristic regions are unknown. The largest family in study area is Asteraceae which contains 61 taxa (11.17 %). Second largest is Fabaceae includes 47 taxa (8.06 %) and third is Lamiaceae includes 43 taxa (7.87 %).

Keywords: Bilecik, Biodiversity, Endemism, Flora, Karaköy, Turkey

Introduction

Turkey has considerable topographical, climatical and ecological diversity because of the effects of different events which occurred in geological formation process (Akman, 1990). Also, Turkey is located at intersection of the Euro-Siberian, Mediterranean and Irano-Turanian floristic regions and so act as a bridge between Asia and Europe continents. From all reasons above, Turkey has very high biological diversity (about 12.000 taxa) in comparison with neighboring countries (Davis, 1965; Erik and Tarıkahya, 2004).

The first studies on flora of Turkey were started with botanical excursions of Tournefort in 1702 (Erik and Tarıkahya, 2004). Afterwards, many native and foreign researchers have studied on flora of Turkey until today. First notable study between these studies is Boissier's Flora Orientalis. But undoubtedly that the most important and detailed study between these is Flora of Turkey and Aegean Islands which performed by P.H. Davis et al. Although Flora of Turkey and Aegean Islands and other studies have contributed significantly to the flora of Turkey, detailed floristic structure of provinces and grids haven't been identified yet (Davis, 1965-1985; Davis et al., 1988; Güner et al., 2000; Ocak and Tokur, 2000; Türe and Tokur, 2000).

The study area comprises Karaköy (Bilecik) and 17 villages (Fig. 1). It is located at the junction point of A2, A3, B2 and B3 squares according to the grid system adopted in the Flora of Turkey and Aegean Islands. The area at the latitudes of 39° 54'- 40° 06' N and the longitudes of 29° 56' - 30° 04' E. Altitude of area is ranging from 400 to 1200 m and surface is 500 km^2.

Major soil groups of the study area are composed of brown forest soil, colluvial soil, red-brown soil, alluvial soil and non calcareous brown soil. The most widespread is the brown forest soil type. Major rock structures are limestone (Bilecik Toprak Su Envanteri, 1983).

Climatic features of study area have been evaluated according to the obtained data from Bilecik, Bozüyük, Pazaryeri and Söğüt meteorological stations. The average temperature of Bilecik is 12.3°C, Bozüyük is 10.4°C, Pazaryeri is 11.2°C and Söğüt is 11.4°C. Annual precipitation of Bilecik is 436.6 mm, Bozüyük is 484.5 mm, Pazaryeri is 436.5 mm and Söğüt is 472.7 mm. When all the climatic data is evaluated according to the Emberger method, climate type of study area is determined as semi arid Mediterranean type. The precipitation regime belongs to the East Mediterranean (Akman, 1990; Türe and Tokur, 2000; Meteoroloji Gn. Md., 1998).

There have been no other specific studies related to the flora of Karaköy (Bilecik) and its environs. The aim of this study was to determine the floristic characteristics of Karaköy (Bilecik) and its environs. We hope that, this study will make contribution to the all related researches and plant diversity of Turkey.

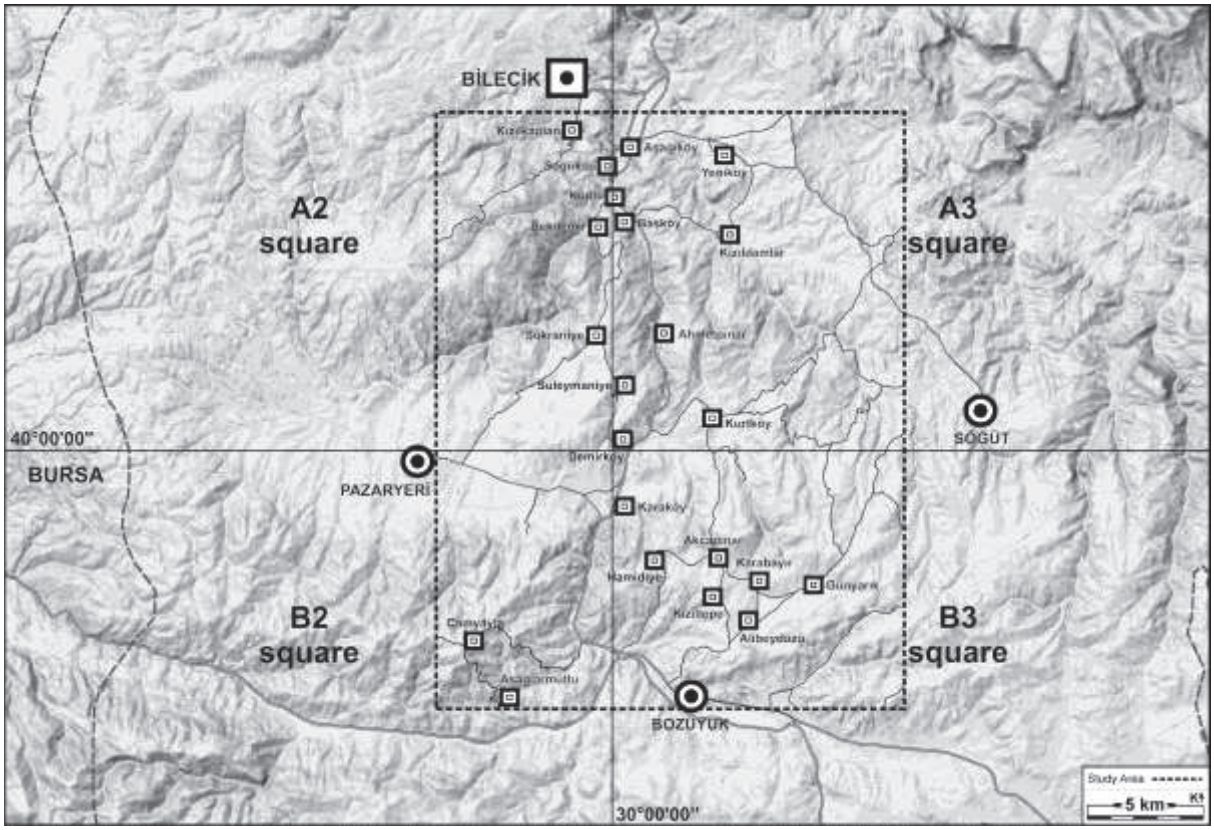


Figure 1. Geographic map of the study area.

Material and Methods

This study based on 1723 plant specimens, which were collected from 20 localities in Karaköy (Bilecik) and its environs between 1996 and 2012. The majority of the specimens were identified with the help of the Flora of Turkey and the East Aegean Islands (Davis, 1965-1988; Güner et al., 2000). Some doubtful identifications were checked in Flora Europaea (Tutin et al., 1964-1980), Flora Iranica (Reichinger, 1965-1977), Flora Palestina (Zohary, 1966-1986), Flora of Iraq (Guest and Townsend, 1966-1985), Flora Orientalis (Boissier, 1867-1888). The herbaria of GAZI, ANK and OUFE were used to check the specimens. The plant specimens prepared for herbarium collections have been stored in the Herbarium at OUFE. The floral data are listed in the appendix. All taxa in the floristic list are given according to the Angiosperm Phylogeny Group (APG III, 2009). In the floristic list, locality, altitude, OUFE number, collection date, phytogeographical region, whether the plant is endemic or not and threatened categories it belongs to are mentioned at the end. Author's abbreviations follow Brummitt and Powell (1992) and The International Plant Names Index (2012). Threatened categories are proposed for endemic and some non-endemic taxa according to IUCN risk categories (IUCN, 2001; Ekim et al., 2000). The abbreviations used in the text and the floristic list are as follows: Ir.-Tur.: Irano-Turanian; Medit.: Mediterranean; E. Medit. (mt.): East Mediterranean (mountain); Omni Medit.; Omni Mediterranean; Eur.-Sib.: Euro-Siberian; Eux.: Euxine; End.: Endemic; CR: Critically endangered; EN: Endangered; VU: Vulnerable; NT: Near threatened; CD: Conservation dependent; LC:

Least concern; ANK: Ankara University Herbaria; GAZI: Gazi University Herbaria; OUFE: Eskişehir Osmangazi Univeristy Herbaria.

Result and Discussion

In this study, 546 taxa belonging to 80 families and 345 genera were identified. Three of these taxa are Pteridophyta, and other 543 taxa are Spermatophyta which includes 5 taxa from the Gymnospermae and 538 taxa from the Angiospermae.

The Angiospermae includes 468 taxa from the Magnoliopsida and 70 taxa from Liliopsida. The dispersion of the plant taxa that were defined in the study area according to the large taxonomical groups is shown in Table 1.

Phytogeographical distributions of 214 taxa are given in Table 1. Apart from these, other 359 taxa are multi-regional elements or their phytogeographic region is unknown. The percentage of phytogeographical origins of 187 taxa was 92 (16.85 %) Mediterranean, 78 (14.28 %) Euro-Siberian, and 44 (8.06 %) Irano-Turanian. The rest of the 332 (60.81 %) taxa are either multi-area elements or single elements which have not yet been accepted as members of the phytogeographical area.

The largest families of study area according to number of taxa are Asteraceae (61 taxa), Fabaceae (47 taxa), Lamiaceae (43 taxa), Brassicaceae (42 taxa) and Poaceae (32 taxa).

The richest genera of study area according to number of taxa are *Salvia* (9 taxa), *Trifolium* (8 taxa), *Centaurea* (8 taxa), *Geranium* (7 taxa), *Alyssum* (6 taxa), *Silene* (6 taxa), *Hypericum* (5 taxa), *Stachys* (5 taxa) and *Galium* (5 taxa).

Endemism ratio of study area is 8.42 % and includes 46 taxa (2 taxa VU, 5 taxa NT, 3 taxa CD and 36 taxa LC). Endemism ratio of study area is very low in comparison with the average endemism ratio (34.5%) of the Flora of Turkey (Güner et al., 2000).

The results of this study generally show accordance with other similar studies (Ocak and Tokur, 2000; Türe and Tokur, 2000; Koyuncu et al., 2012a; Koyuncu et al., 2012b). In the research area, the most important treated factors of the floristic structure are urbanization, livestocking, agricultural acitivities and erosion. Fistly, this study aims to identifiy, conservate and examination of the floristic diversity in Turkey

Table 1. Floristic properties of the research area.

Taxonomic Groups					Total	Ratio of total taxa in the research area (%)
	Pteridophyta	Gymnospermae	Angiospermae			
			Dicots.	Monocots.		
Families	3	3	63	11	80	
Genera	3	4	289	49	345	
Species and Under Species Taxa	3	5	468	70	546	
Species	3	5	466	70	544	
Subspecies	-	-	1	-	1	
Varieties	-	-	1	-	1	
Distribution of taxa to Phytogeographic Regions						
Euro-Siberian (Total)	-	1	66	11	78	14.28
Euro-Siberian	-	1	60	11	72	13.18
Euxine	-	-	6	-	6	1.10
Mediterranean (Total)	-	-	72	20	92	16.85
Mediterranean	-	-	56	15	71	13.00
E. Medit. (mt)	-	-	15	5	20	3.66
Omni Medit.	-	-	1	-	1	0.19
Irano-Turanian	-	-	39	5	44	8.06
Others	3	4	291	34	332	60.81
Endemism and Risk Categories (IUCN 2001).						
Endemic Taxa	-	-	-	-	46	8.42
VU	-	-	2	-	2	0.36
NT	-	1	3	1	5	0.91
CD	-	-	3	-	3	0.55
LC	-	-	36	-	36	6.60

References

Akman, Y. (1990). İklim ve Biyoiklim. Ankara: Palme Yayınları (in Turkish).

APG III, (2009). An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG III. Botanical Journal of the Linnean Society 161: 105-121.

Boissier, E. (ed.) (1867-1888). Flora Orientalis. Vols. 1-6, Geneva.

Brummitt, RK. and Powell, C.E. (eds.) (1992). Authors of Plant Names. Kew: Royal Botanic Gardens.

Davis, P.H. (1965-1985). Flora of Turkey and the East Aegean Island. Vols:1-9. Edinburg: Edinb. Univ. Press.

Davis, P.H., Mill, R.R., Tan, K. (1988). Flora of Turkey and the East Aegean Islands, First Supplement. Edinburgh: Edinburgh University Press, Vol. 10.

Ekim, T., Koyuncu, M., Vural, M., Duman, H., Aytaç, Z. and Adıgüzel, N. (2000). Türkiye Bitkileri Kırmızı Kitabı (Pteridophta ve Spermatophyta). Ankara: TTKD ve Van 100. Yıl Üniversitesi (in Turkish).

Erik, S. and Tarıkahya, B. (2004). Türkiye Florası Üzerine. Kebikeç, 17: 139-163 (in Turkish).

Guest, E. and Townsend, CC. (1966-1985). Flora of Iraq. Vols. 1-9. Ministry of Agriculture and Agrarian Press, Baghdad.

Güner, A., Özhatay N., Ekim T. and Başer KHC. (eds.) (2000). Flora of Turkey and the East Aegean Islands, Second Supplement. Edinburgh: Edinburgh University Press, Vol. 11.

IUCN (2001). Red List Categories: Version 3.1. Prepared by the IUCN Species Survival Commission. IUCN, Gland Switzerland and Cambridge, UK: IUCN.

Koyuncu, O., Yaylacı, Ö.K., Öztürk, D. and Tokur, S. (2012a). Vascular Plant Diversity in Geyve Gorge (Sakarya/Turkey) and its Environs. Biological Diversity and Conservation, 5 (3), 98-122.

Koyuncu, O., Yaylacı, Ö.K., Öztürk, D., Özgişi, K., Sezer, O., Savaroğlu, F., Potoğlu Erkara, İ. and Ocak, A. (2012b). Vascular Plant Diversity of Osmaneli (Bilecik-Turkey). Scottish Journal of Arts, Social Sciences and Scientific Studies, Vol. 7, 78-129.

Meteoroloji Genel Müdürlüğü. (1998). Bilecik Bölge Müdürlüğü, Bilecik (in Turkish).

Ocak, A. and Tokur, S. (2000). The Flora of Gülümbe Dağı (Bilecik-Turkey). Turk J. Bot., 24: 121-141.

Rechinger, HK. (ed.) (1965-77). Flora Iranica. Graz-Austria: Akademische Druck, Verlanglanstalt.

Tarım ve Köy İşleri Bakanlığı. (1983). Toprak Su Genel Müdürlüğü, Bilecik İl Toprak Envanter Planları (in Turkish).

The International Plant Names Index (2012). Published on the Internet http://www.ipni.org [accessed 1 July 2012].

Tutin, TG., Heywood, VH., Burges, NA., Moore, DM., Valentine, DH., Walters, S and Webb, BA. (eds.) (1964-80). Flora Europaea. Vols. 1-5. Cambridge: Cambridge University Press.

Türe, C. and Tokur, S. (2000). The Flora of the Forest Series of Yirce-Bürmece-Kömürsu and Muratdere (Bilecik-Bursa, Turkey). Turk J. Bot., 24: 47-66.

Zohary, M. (1966-1986). Flora Palaestina. Vols. 1-4. Jerusalem: Academic Press, Israel.

Appendix

List of Flora

PTERIDOPHYTA

SPHENOPSIDA

HYPOLEPIDACEAE

Pteridium Scop.

P. aquilinum (L.) Kuhn.

Environs of Bekdemir village, 220m., OUFE 7794, 18 vii 1997.

ASPLENIACEAE

Asplenium L.

A. trichomanes L.

25-30 km of Bozüyük-Bilecik road, 330m., OUFE 7795, 01 iix 1997.

ASPIDIACEAE

Dryopteris Adans.

D. filix-mas (L.) Schott

Environs of Kurtköy village, 600m., OUFE 7796, 12 vi 1997.

SPERMATOPHYTA

GYMNOSPERMAE

PINACEAE

Abies Mill.

A. nordmanniana (Stev.) Spach subsp. ***equi-trojani*** (Asch.&Sint. ex Boiss.) Coode&Cullen

Environs of Küplü village, 290m., OUFE 7797, 22 iii 1998, End. (NT), Eur.-Sib.

Pinus L.

P. nigra Arn. subsp. ***pallasiana*** (Lamb.) Holmb. var. ***caramanica***

1-25 km of Bozüyük-Bilecik road, 680m., OUFE 7798, 01 v 1997.

CUPRESSACEAE

Juniperus L.

J. oxycedrus L. subsp. ***oxycedrus***

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 7800, 01 v 1997.

J. foetidissima Willd.

Environs of Kızıltepe village, 1000m., OUFE 7801, 10 ix 1997.

EPHEDRACEAE

Ephedra L.

E. major Host

Environs of Bekdemir village, 290m., OUFE 7802, 06 iix 1998.

ANGIOSPERMAE

DICOTYLEDONAE

RANUNCULACEAE

Helleborus L.

H. orientalis Lam.

25-30 km of Bozüyük-Bilecik road, 260m., OUFE 7803, 03 x 1998, Eux.

Nigella L.

N. arvensis L. var. ***glauca*** Boiss.

Environs of Kurtköy village, 740m., OUFE 7804, 06 iix 1998.

N. elata Boiss.

Environs of Şükraniye village, 725m., OUFE 7805, 19 ix 1997.

Delphinium L.

D. venulosum Boiss.

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 7806, 18 vii 1997, End., (LC), Ir-Tur.

D. peregrinum L.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 7807, 01 iix 1997.

Consolida (DC.) S.F. Gray

C. orientalis (J.Gay) Schrödinger

Environs of Yeniköy village, 330m., OUFE 7808, 25 vii 1997.

C. regalis Gray subsp. ***paniculata*** (Host) Soó var. ***paniculata***

Environs of Kurtköy village, 740m., OUFE 7809, 06 iix 1998.

C. raveyi (Boiss.) Schrödinger

Environs of Karaköy village, 690m., OUFE 16593, 11 vii 2000, End., (LC).

Anemone L.

A. coronaria L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 16594, 18 iii 2001, Medit.

Clematis L.

C. cirrhosa L.

Environs of Kızıldamlar village, 810m., OUFE 16595, 06 ii 1999, Medit.

C. vitalba L.

25-30 km of Bozüyük-Bilecik road, 450m., OUFE 7810, 29 v 1997.

C. viticella L.

1-25 km of Bozüyük-Bilecik road, 710m., OUFE 7811, 19 ix 1997.

Adonis L.

A. annua L.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 7812, 13 vi 1997, Medit.

A. flammea Jacq.

Environs of Şükraniye village, 700m., OUFE 16596, 04 v 2005.

Ranunculus L.

R. constantinopolitanus (DC.) d'Urv.

Environs of Demirköy village, 700m., OUFE 7814, 25 vii 1998.

R. arvensis L.

25-30 km of Bozüyük-Bilecik road, 310m., OUFE 7815, 02 xi 1997.

Ficaria Guett.

F. verna subsp. ***ficariiformis*** (Rouy&Foucaud) B.Walln.

Environs of Kurtköy village, 730m., OUFE 16597, 13 iv 2007.

Thalictrum L.

T. lucidum L.

Environs of Karaköy village, 600m., OUFE 16598, 24 vi 2010.

PAPAVERACEAE

Chelidonium L.

C. majus L.

1-25 km of Bozüyük-Bilecik road, 550m., OUFE 16599, 12 vi 2011, Eur.-Sib.

Glaucium Adans.

G. corniculatum (L.) Curtis

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 16600, 13 vi 2004.

G. leiocarpum Boiss.

Environs of Aşağıköy village, 260m., OUFE 7816, 04 iv 1998.

Papaver L.

P. apokrinomenon Fedde

25-30 km of Bozüyük-Bilecik road, 360m., OUFE 7817, 04 vii 1997, End., (LC).

P. rhoeas L.

Environs of Karaköy village, 690m., OUFE 7819, 11 vii 1997.

P. virchowii Asch.&Sint. ex Boiss.

25-30 km of Bozüyük-Bilecik road, 230m., OUFE 7820, 21 v 1998, End., (CD).

Hypecoum L.

H. imberbe Sm.

Environs of Şükraniye village, 700m., OUFE 16601, 04 v 2011.

Corydalis Medik.

C. solida (L.) Clairv. subsp. ***solida***

Environs of Karaköy village, 600m., OUFE 7821, 24 vi 1998.

Fumaria L.

F. officinalis L.

Environs of Süleymaniye village, 650m., OUFE 7822, 12 vi 1997, Medit.

BRASSICACEAE (CRUCIFERAE)

Brassica L.

B. elongata Ehrh.

25-30 km of Bozüyük-Bilecik road, 380m., OUFE 7823, 06 vi 1997.

Sinapis L.

S. arvensis L.

Environs of Şükraniye village, 700m., OUFE 16602, 04 v 2002.

Hirschfeldia Moench

H. incana (L.) Lagr.-Foss.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 16603, 13 vi 2012.

Diplotaxis DC.

D. tenuifolia (L.) DC.

25-30 km of Bozüyük-Bilecik road, 350m., OUFE 16604, 14 v 2011.

Eruca Mill.

E. vesicaria (L.) Cav.

Environs of Şükraniye village, 700m., OUFE 7824, 04 v 1998.

Raphanus L.

R. raphanistrum L.

Environs of Küplü village, 240m., OUFE 16605, 04 v 2010.

Crambe L.

C. tataria Sebeok var. ***tataria***

Environs of Hamidiye village, 920m., OUFE 16606, 04 v 2008.

Rapistrum Crantz

R. rugosum (L.) All.

Environs of Hamidiye village, 920m., OUFE 7825, 03 x 1998.

Lepidium L.

L. latifolium L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 7826, 18 vii 1997.

L. draba L. subsp. ***draba***

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 7827, 18 vii 1997.

Iberis L.

I. simplex DC.

Environs of Demirköy village, 660m., OUFE 7828, 25 vii 1997.

Aethionema R. BR.

A. arabicum (L.) Andrz. ex DC.

Environs of Alibeydüzü village, 940m. OUFE 16607, 12 v 2006.

Thlaspi L.

T. arvense L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 16608, 18 iii 2003.

Capsella Medik.

C. bursa-pastoris (L.) Medik.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 7829, 13 vi 1997.

Boreava Jaub. et Spach

B. orientalis Jaub. et Spach

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 16609, 15 v 2001.

Neslia Desv.

N. paniculata subsp. ***thracica*** (Velen.) Bornm.

Environs of Küplü village, 290m., OUFE 7847, 11 vii 1997.

Fibigia Medik

F. clypeata (L.) Medik.

Environs of Süleymaniye village, 780m., OUFE 7830, 06 iix 1998.

F. eriocarpa (DC.) Boiss.

Environs of Yeniköy village, 300m., OUFE 7831, 22 iix 1998.

Alyssum L.

A. desertorum Stapf var. ***desertorum***

Environs of Kızıldamlar village, 810m., OUFE 7832, 06 iix 1998.

A. minutum Patrin ex DC.

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 7833, 18 vii 1997.

A. ***simplex*** Rudolph

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 7834, 06 iix 1998.

A. ***strigosum*** Banks et Sol. subsp. ***strigosum***

Environs of Akçapınar village, 900m., OUFE 7835, 03 x 1998.

A. obtusifolium Steven ex DC.

25-30 km of Bozüyük-Bilecik road, 310m., OUFE 7837, 19 ix 1997.

A. sibiricum Willd.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 16610, 27 vi 2000.

Clypeola L.

C. jonthlaspi L.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 16611, 22 v 2010.

Draba L.

D. bruniifolia Stev. subsp. ***olympica*** (DC.) Coode&Cullen

Environs of Kızıltepe village, 910m., OUFE 16612, 04 v 2010.

Erophila DC.

E. verna (L.) DC. subsp. ***verna***

Environs of Küplü village, OUFE 16613, 300m., 04 v 2009.

Arabis L.

A. alpina L. subsp. ***caucasica*** (Willd.) Briq.

Environs of Kızıldamlar village, OUFE 16614, 810m., 06 iix 2007.

A. nova Vill.

Environs of Kurtköy village, 560m., OUFE 7838, 18 vii 1997.

Turritis L.

T. glabra L.

Environs of Hamidiye village, 920m., OUFE 16615, 04 v 2003.

T. laxa (Sm.) Hayek

Environs of Hamidiye village, 920m., OUFE 16616, 04 v 2002.

Rorippa Scop.

R. sylvestris (L.) Besser
Environs of Ahmetpınar village, 400m., OUFE 7839, 18 vii 1997.
Cardamine L.
C. bulbifera (L.) Crantz
Environs of Kurtköy village, 740m., OUFE 7840, 06 iix 1998, Eur.-Sib.
C. hirsuta L.
Environs of Aşağıarmutlu village, 890m., OUFE 16617, 04 iv 2010.
Aubrieta Adans.
A. deltoidea (L.) DC.
Environs of Hamidiye village, 920m., OUFE 16618, 04 v 2009.
Matthiola R. Br.
M. longipetala (Vent.) DC. subsp. ***bicornis*** (Sm.) P.W. Ball
Environs of Aşağıköy village, 310m., OUFE 16619, 15 vi 2010.
Malcolmia R. Br.
M. africana (L.) R. Br.
Environs of Hamidiye village, 920m., OUFE 16620, 04 v 2011.
Erysimum L.
E. crassipes Fisch. et Mey.
Environs of Süleymaniye village, 730m., OUFE 7843, 04 v 1998.
Sisymbrium L.
S. altissimum L.
Environs of Akçapınar village, 870m., OUFE 16621, 04 v 2008.
Descurainia Webb et Berth.
D. sophia (L.) Webb ex Prantl
Environs of Hamidiye village, 920m., OUFE 16622, 04 v 2005.
Camelina Crantz
C. rumelica Velen.
Environs of Süleymaniye village, 750m., OUFE 7844, 10 ix 1997.
C. microcarpa Andrz. ex DC.
Environs of Kızıldamlar village, 810m., OUFE 7845, 06 iix 1998.

RESEDACEAE
Reseda L.
R. lutea L. var. ***lutea***
Environs of Demirköy village, 560m., OUFE 7846, 06 iix 1998.

CISTACEAE

Cistus L.

C. laurifolius L.

1-25 km of Bozüyük-Bilecik road, 680m., OUFE 16623, 01 v 2000, Medit.

C. creticus L.

Environs of Küplü village, 290m., OUFE 7847, 11 vii 1997, Omni Medit.

Helianthemum Adans.

H. nummularium (Cav.) Losa&Rivas Goday subsp. ***nummularium***

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 7848, 22 v 1997.

Fumana Spach

F. aciphylla Boiss.

Environs of Çamyayla village, 810m., OUFE 16624, 24 v 2009, Ir. Tur.

VIOLACEAE

Viola L.

V. odorata L.

Environs of Kızıldamlar village, 630m., OUFE 7850, 12 vii 1997.

V. occulta Lehm.

Environs of Alibeydüzü village, 940m., OUFE 16625, 12 v 2010.

POLYGALACEAE

Polygala L.

P. pruinosa Boiss. subsp. ***pruinosa***

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 7852, 18 vii 1997.

P. supina Schreb.

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 7853, 18 vii 1997.

P. monspeliaca L.

Environs of Küplü village, 240m., OUFE 7854, 04 v 1997, Medit.

CARYOPHYLLACEAE

Arenaria L.

A. serpyllifolia L.

Environs of Karaköy village, 580m., OUFE 16626, 12 vi 1999.

Minuartia L.

M. hamata (Hausskn.) Mattf.

1-25 km of Bozüyük-Bilecik road, 560m., OUFE 7855, 04 vii 1997.

M. anatolica (Boiss.) Woronow var. ***polymorpha***

Environs of Karaköy village, 690m., OUFE 7856, 11 vii 1997.

Stellaria L.

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

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 16627, 01 iix 2011.

Cerastium L.

C. banaticum (Rochel) Heuff.

Environs of Kurtköy village, 310m., OUFE 7857, 02 xi 1997.

C. perfoliatum L.

Environs of Aşağıarmutlu village, 890m., OUFE 7858, 04 iv 1998.

Holosteum L.

H. umbellatum L. var. ***umbellatum*** L.

Environs of Hamidiye village, 920m., OUFE 16628, 04 v 2010.

Moenchia Ehrh.

M. mantica (L.) Bartl. subsp. ***mantica***

Environs of Küplü village, 300m., OUFE 16629, 04 v 2011.

Telephium L.

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

Environs of Ahmetpınar village, 440m., OUFE 7859, 30 v 1998.

Dianthus L.

D. micranthus Boiss. et Heldr.

Environs of Çamyayla village, 810m., OUFE 7860, 19 ix 1997.

D. zonatus Fenzl var. ***zonatus***

Environs of Karaköy village, 800m., OUFE 16630, 18 vii 2012.

D. cruentus Griseb.

Environs of Karaköy village, 720m., OUFE 16631, 11 vii 2010.

D. cibrarius Clem.

Environs of Alibeydüzü village, 940m., OUFE 7862, 26 ix 1998, End., (NT).

Velezia L.

V. rigida L.

Environs of Karaköy village, 700m., OUFE 16632, 11 vii 2008.

Saponaria L.

S. glutinosa M.Bieb.

Environs of Akçapınar village, 900m., OUFE 16633, 03 v 2010.

S. kotschyi Boiss.

Environs of Alibeydüzü village, 940m., OUFE 16634, 26 vi 2010, End., (LC).

Gypsophila L.

G. pilosa Huds.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 16635, 27 vi 2010, Ir.-Tur.

Bolanthus (Ser.) Eichb.

B. minuartioides (Jaub. et Spach) Hub.-Mor.

Environs of Akçapınar village, 900m., OUFE 16636, 18 vii 2009, End., (LC).

Silene L.

S. italica (L.) Pers.

25-30 km of Bozüyük-Bilecik road, 330m., OUFE 7863, 27 vi 1997.

S. latifolia Poir.

Environs of Karaköy village, 690m., OUFE 16637, 11 vii 2001.

S. behen L.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 7864, 01 iix 1997.

S. dichotoma Ehrh. subsp. ***sibthorpiana*** (Reichb.) Rech.

25-30 km of Bozüyük-Bilecik road, 320m., OUFE 16638, 26 vii 2010.

S. conica L. subsp. ***subconica*** (Friv.) Gavioli

Environs of Alibeydüzü village, 940m., OUFE 16639, 26 vii 2010.

S. conoidea L.

Environs of Karaköy village, 700m., OUFE 16640, 11 vii 2010.

Agrostemma L.

A. githago L.

Environs of Demirköy village, 690m., OUFE 16641, 25 vii 2010.

Herniaria L.

H. hirsuta L.

1-25 km of Bozüyük-Bilecik road, 870m., OUFE 16642, l2 iv 2007.

Paronychia Mill.

P. carica Chaudhri var. ***carica***

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 16643, 06 vi 2001.

Scleranthus L.

S. annuus L. subsp. ***verticillatus*** (Tausch) Arcang.

Environs of Kurtköy village, 715m., OUFE 16644, 24 v 2000.

POLYGONACEAE

Polygonum L.

P. cognatum Meisn.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 7865, 27 vi 1997.

P. aviculare L.

25-30 km of Bozüyük-Bilecik road, 570m., OUFE 7866, 20 vi 1997.

P. bellardii All.

Environs of Aşağıarmutlu village, 890m., OUFE 7867, 04 iv 1998.

Rumex L.

R. acetosella L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 7868, 18 vii 1997.

R. crispus L.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 7869, 22 v 1997.

AMARANTHACEAE

Chenopodium L.

C. foliosum Asch.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 7870, 18 vii 1997.

TAMARICACEAE

Tamarix L.

T. smyrnensis Bunge

Environs of Aşağıköy village, 320m., OUFE 7871, 26 ix 1998.

HYPERICACEAE (GUTTIFERAE)

Hypericum L.

H. calycinum L.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 16645, 13 vi 2010, Eur.-Sib.

H. perfoliatum L.

Environs of Süleymaniye village, 700m., OUFE 7872, 24 iix 1997, Medit.

H. origanifolium Willd.

25-30 km of Bozüyük-Bilecik road, 310m., OUFE 7873, 24 iix 1997.

H. aviculariifolium Jaub. et Spach subsp. ***depilatum*** (Freyn et Bornm.) Robson var. ***depilatum***

Environs of Karaköy village, 720m., OUFE 16645, 11 vii 2010, End., (LC), Ir.-Tur.

H. perforatum L.

Environs of Çamyayla village, 810m., OUFE 7874, 19 ix 1997.

MALVACEAE

Hibiscus L.

H. trionum L.

Environs of Kurtköy village, 740m., OUFE 16646, 06 iix 2009.

Malva L.

M. sylvestris L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 7875, 06 iix 1998.

M. neglecta Wallr.

Environs of Küplü village, 300m., OUFE 16647, 23 iix 2008.

Alcea L.

A. pallida (Willd.) Waldst.&Kit.

25-30 km of Bozüyük-Bilecik road, 350m., OUFE 7877, 14 v 1998.

Althaea L:

A. hirsuta L.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 7876, 22 v 1997.

LINACEAE

Linum L.

L. nodiflorum L.

Environs of Çamyayla village, 810m., OUFE 7878, 19 iix 1997, Medit.

L. hirsutum L. subsp. ***anatolicum*** (Boiss.) Hayek var. ***anatolicum***

25-30 km of Bozüyük-Bilecik road, 570m., OUFE 16648, 20 vi 2010, End., (LC), Ir.-Tur.

L. bienne Mill.

Environs of Ahmetpınar village, 410m., OUFE 7879, 25 vii 1997, Medit.

GERANIACEAE

Geranium L.

G. lucidum L.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 7880, 01 iix 1997.

G. purpureum Vill.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 7881, 27 vi 1997.

G. robertianum L.

Environs of Kızıldamlar village, 810m., OUFE 7882, 06 iix 1998.

G. rotundifolium L.

Environs of Yeniköy village, 300m., OUFE 7883, 22 iix 1998.

G.dissectum L.

Environs of Bekdemir village, 230m., OUFE 7884, 24 v 1997.

G. asphodeloides Burm.f. subsp. ***asphodeloides***

1-25 km of Bozüyük-Bilecik road, 620m., OUFE 7887, 08 v 1997, Eux.

G. pyrenaicum Burm.f.

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 16649, 18 vii 2005.

Erodium L' Herit.

E. ciconium (L.) L'Hér.

Environs of Alibeydüzü village, 940m., OUFE 16650, 12 v 2006.

E. absinthoides Willd. subsp. ***absinthoides***

25-30 km of Bozüyük-Bilecik road, 310m., OUFE 16651, 28 vi 2008, End., (LC), Ir.-Tur.

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

Environs of Alibeydüzü village, 940m., OUFE 7890, 26 ix 1998.

RUTACEAE

Ruta L.

R. montana (L.) L.

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 7892, 18 vii 1997.

R. thesioides Fisch. ex DC.

1-25 km of Bozüyük-Bilecik road, 560m., OUFE 7894, 04 vii 1997.

SIMAROUBACEAE

Ailanthus Desf.

A. altissima (Mill.) Swingle

25-30 km of Bozüyük-Bilecik road, 600m., OUFE 7895, 12 ix 1997.

VITACEAE

Vitis L.

V. vinifera L.

Environs of Karaköy village, 580m., OUFE 7896, 12 vi 1998.

RHAMNACEAE

Paliurus Mill.

P. spina-christi Mill.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 7897, 22 v 1997.

Rhamnus L.

R. rhodopea Velen.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 7898, 01 iix 1997.

ANACARDIACEAE

Rhus L.

R. coriaria L.

Environs of Bekdemir village, 220m., OUFE 7900, 23 iix 1998.

Pistacia

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

Environs of Aşağıarmutlu village, 890m., OUFE 16651, 04 iv 2009, Medit.

CELASTRACEAE

Euonymus L.

E. latifolius (L.) Mill. subsp. ***latifolius***

1-25 km of Bozüyük-Bilecik road, 870m., OUFE 7901, l2 iv 1997, Eur.-Sib.

FABACEAE (LEGUMINOSAE)

Cytisus L.

C. austriacus L.

Environs of Kızıltepe village, 910m., OUFE 16652, 24 v 2007, Eur.-Sib.

Genista L.

G. tinctoria L.

Environs of Aşağıarmutlu village, 890m., OUFE 7902, 04 iv 1998, Eur.-Sib.

G. lydia Boiss. var. ***lydia*** Griseb.

Environs of Kızıltepe village, 910m., OUFE 7903, 04 v 1998, Medit.

Lotononis Eckl. et Zeyh.

L. genistoides (Fenzl) Benth.

Environs of Kurtköy village, 740m., OUFE 7904, 06 iix 1998, Ir.-Tur.

Argyrolobium Eckl. et Zeyh.

A. biebersteinii P.W.Ball

25-30 km of Bozüyük-Bilecik road, 220m., OUFE 7905, 13 v 1997.

Robinia L.

R. pseudoacacia L.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 7906, 06 vi 1997, Culture.

Galega L.

G. officinalis L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 7907, 12 ix 1997, Eur.-Sib.

Astragalus L.

A. glycyphyllos L. subsp. ***glycyphyllos***

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 16653, 18 vii 2005, Eur.-Sib.

A. angustiflorus K. Koch subsp. ***anatolicus*** (Boiss.) D.F.Chamb.

Environs of Alibeydüzü village, 940m., OUFE 16654, 26 vi 2004, End., (LC), E. Medit.

A. macrocephalus Willd. subsp. ***macrocephalus***

Environs of Demirköy village, 690m., OUFE 16655, 25 vii 2001, End., (NT), Ir.-Tur.

A. lydius Boiss.

Environs of Akçapınar village, 900m., OUFE 16656, 24 vii 2011, End., (LC) Ir.-Tur.

Tragacantha Mill.

T. elongata (Willd.) Kuntze

Environs of Çamyayla village, 810m., OUFE 7910, 19 ix 1997, Ir.-Tur.

Bituminaria C.H.Stirt.

B. bituminosa (L.) C.H.Stirt.

1-25 km of Bozüyük-Bilecik road, 660m., OUFE 7911, 25 vii 1997, Medit.

Vicia L.

V. cassubica L.

Environs of Demirköy village, 690m., OUFE 7912, 25 vii 1997, Eur.-Sib.

V. tenuifolia subsp. ***dalmatica*** (A.Kern.) Greuter

Environs of Hamidiye village, 920m., OUFE 7913, 04 v 1998.

V. grandiflora Scop. var. ***grandiflora***

Environs of Süleymaniye village, 780m., OUFE 7914, 06 iix 1998.

Lathyrus L.

L. aureus (Steven) D.Brandza

Environs of Karaköy village, 600m., OUFE 7915, 24 vi 1998, Eux.

L. digitatus (M.Bieb.) Fiori

Environs of Kızıldamlar village, 810m., OUFE 7916, 06 iix 2010, E. Medit.

L. undulatus Boiss.

Environs of Kurtköy village, 715m., OUFE 7917, 12 iv 1998, End., (VU), Eur.-Sib.

L. nissolia L.

Environs of Demirköy village, 650m., OUFE 7919, 01 iv 1997.

Pisum L.

P. sativum L. subsp. ***elatius*** (M.Bieb.) Asch.&Graebn. var. ***elatius***

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 7920, 29 iv 1997, Medit.

Trifolium L.

T. repens L. var ***repens***

Environs of Akçapınar village, 900m., OUFE 7921, 03 x 1998.

T. hybridum L. var ***hybridum***

Environs of Alibeydüzü village, 940m., OUFE 7922, 26 ix 1998.

T. campestre Schreb.

Environs of Küplü village, 290m., OUFE 16657, 22 iii 2000.

T. nigrescens Viv. subsp. ***petrisavii*** (Clementi) Holmboe

1-25 km of Bozüyük-Bilecik road, 620m., OUFE 7923, 08 v 1997.

T. physodes M.Bieb. var. ***physodes***

Environs of Karaköy village, 580m., OUFE 7924, 28 vii 1998, Medit.

T. pratense L. var. ***pratense*** Boiss. et Bal.

Environs of Kızıltepe village, 910m., OUFE 7925, 04 v 1998.

T. arvense L. var. ***arvense***

Environs of Aşağıköy village, 260m., OUFE 16658, 04 iv 2010.

T. hirtum All.

Environs of Aşağıarmutlu village, 890m., OUFE 7928, 04 iv 1998, Medit.

Melilotus L.

M. officinalis (L.) Pall.

1-25 km of Bozüyük-Bilecik road, 680m., OUFE 7929, 27 iv 1997.

M. alba Desr.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 7930, 27 vi 1997.

Trigonella L.

T. cretica (L.) Boiss.

25-30 km of Bozüyük-Bilecik road, 350m., OUFE 16659, 14 v 2003, End., (NT), E. Medit.

T. lunata Boiss.

Environs of Süleymaniye village, 720m., OUFE 16660, 25 v 2004, Ir.-Tur.

T. spruneriana Boiss. var. ***spruneriana***

Environs of Bekdemir village, 220m., OUFE 7932, 26 iix 1997, Ir.-Tur.

Medicago L.

M. monantha (C.A.Mey.) Trautv. subsp. ***monantha***

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 16661, 27 vi 2008, Ir.-Tur.

M. radiata L.

Environs of Kurtköy village, 740m., OUFE 7933, 06 iix 1998, Ir.-Tur.

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

Environs of Küplü village, 300m., OUFE 16662, 22 v 2008.

M. lupulina L.

Environs of Karaköy village, 800m., OUFE 16663, 18 vii 2009.

M. sativa L. subsp. ***sativa***

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 7934, 01 iix 1997.

Dorycnium Mill.

D. graecum (L.) Ser.

Environs of Yeniköy village, 320m., OUFE 7936, 25 v 1998, Eux.

D. pentaphyllum Scop. subsp. ***herbaceum*** (Vill.) Rouy
Environs of Demirköy village, 650m., OUFE 7937, 01 iix 1997.
Lotus L.
L. corniculatus L. var. ***corniculatus*** (Bieb.) Arc.
Environs of Kızıldamlar village, 810m., OUFE 7938, 06 iix 1998.
Coronilla L.
C. scorpioides (L.) Koch
25-30 km of Bozüyük-Bilecik road, 570m., OUFE 16664, 20 vi 2009.
Hedysarum L.
H. varium Willd.
Environs of Alibeydüzü village, 940m., OUFE 16665, 26 vi 2010, Ir.-Tur.
Onobrychis Adans.
O. caput-galli (L.) Lam.
Environs of Kızıltepe village, 910m., OUFE 7940, 04 v 1998.
O. hypargyrea Boiss.
Environs of Karaköy village, 580m., OUFE 16666, 24 iv 2010.
Securigera DC.
S. varia (L.) Lassen
Environs of Kızılkaplan village, 400m., OUFE 16667, 10 iix 2009.

ROSACEAE
Prunus L.
P. amygdalus Batsch
Environs of Demirköy village, 650m., OUFE 7948, 01 iix 1997, Culture.
P. spinosa L. subsp. ***dasyphylla*** (Schur) Domin
Environs of Karaköy village, 580m., OUFE 7943, 29 v 1997.
P. x domestica L.
1-25 km of Bozüyük-Bilecik road, 560m., OUFE 7944, 26 ix 1998.
Cerasus Duhamel
C. avium (L.) Moench
Environs of Küplü village, 290m., OUFE 7945, 26 ix 1998, Culture.
Filipendula Mill.
F. vulgaris Moench
Environs of Aşağıköy village, 310m., OUFE 16668, 15 vi 2007, Eur.-Sib.
Rubus L.
R. ulmifolius Schott subsp. ***sanctus*** (Schreb.) Sudre
Environs of Demirköy village, 660m., OUFE 7949, 25 vii 1997.

R. tomentosus Borkh. var. ***canescens*** (DC.) Wirtg.

Environs of Karaköy village, 570m., OUFE 7950, 06 iix 1998.

Potentilla L.

P. recta L.

Environs of Küplü village, 300m., OUFE 7951, 04 v 1998.

P. reptans L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 16669, 18 vii 2006.

Fragaria L.

F. vesca L.

Environs of Karaköy village, 560m., OUFE 16670, 23 iv 2008.

Geum L.

G. urbanum L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 16671, 18 vii 2008, Eur.-Sib.

Agrimonia L.

A. eupatoria L.

1-25 km of Bozüyük-Bilecik road, 620m., OUFE 7952, 08 v 1997.

Poterium L.

P. lasiocarpum Boiss.&Hausskn.

Environs of Kızıldamlar village, 810m., OUFE 16672, 06 iix 2009.

Rosa L.

R. foetida Herrm.

Environs of Bekdemir village, 220m., OUFE 7953, 28 vi 1998, Ir.-Tur.

R. turcica Rouy

1-25 km of Bozüyük-Bilecik road, 550m., OUFE 7954, 12 vi 1998.

R. canina L.

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 7955, 18 vii 1997.

Cotoneaster Medik.

C. nummularius Fisch.&C.A. Mey.

Environs of Süleymaniye village, 720m., OUFE 16673, 25 v 2010.

Crataegus L.

C. orientalis Pall. ex Bieb. var. ***orientalis***

Environs of Karaköy village, 800m., OUFE 16674, 18 vii 2009.

C. monogyna Jacq. subsp. ***monogyna***

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 7956, 04 v 1998.

Malus Mill.

M. domestica Borkh.

Environs of Karaköy village, 580m., OUFE 7957, 29 v 1997, Culture.

Pyrus L.
P. communis L. subsp. ***communis***
Environs of Bekdemir village, 220m., OUFE 7958, 19 ix 1997, E. Medit.

CUCURBITACEAE
Ecballium A. Rich.
E. elaterium (L.) A.Rich.
1-25 km of Bozüyük-Bilecik road, 670m., OUFE 16675, 24 ix 2008, Medit.

LYTHRACEAE
Lythrum L.
L. salicaria L.
Environs of Alibeydüzü village, 940m., OUFE 16676, 26 v 2011, Eur.-Sib.

ONAGRACEAE
Epilobium L.
E. angustifolium L.
Environs of Alibeydüzü village, 940m., OUFE 16677, 26 vii 2011.
E. hirsutum L.
Environs of Karaköy village, 290m., OUFE 7959, 11 vii 1997.
E. parviflorum Schreb.
1-25 km of Bozüyük-Bilecik road, 570m., OUFE 7960, 27 vi 1997.

CRASSULACEACEAE
Umbilicus DC.
U. luteus (Huds.) Webb&Berthel.
Environs of Kızıldamlar village, 810m., OUFE 16678, 06 iix 2012.
Sedum L.
S. acre L.
1-25 km of Bozüyük-Bilecik road, 690m., OUFE 7963, 18 vii 1997.
S. album L.
Environs of Çamyayla village, 810m., OUFE 7964, 19 ix 1997.

UMBELLIFERAE (APIACEAE)
Sanicula L.
S. elata Buch.-Ham. ex D. Don.
Environs of Yeniköy village, 300m., OUFE 7965, 22 iix 1998, Eur.-Sib.

Eryngium L.

E. campestre L. var. ***virens*** (Link) Weins

Environs of Alibeydüzü village, 940m., OUFE 7966, 26 ix 1998.

Echinophora L.

E. tenuifolia L. subsp. ***sibthorpiana*** (Guss.) Tutin

Environs of Kızılkaplan village, 310m., OUFE 16679, 10 ix 2010, Ir.-Tur.

Chaerophyllum L.

C. byzantinum Boiss.

Environs of Kızıltepe village, 1000m., OUFE 16680, 19 ix 2009, Eur.-Sib.

Anthriscus Pers.

A. nemorosa (M.Bieb.) Spreng.

Environs of Akçapınar village, 900m., OUFE 16681, 03 v 2000.

Scandix L.

S. stellata Banks&Sol.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 7967, 22 v 1997.

S. pecten-veneris L.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 7968, 06 vi 1997.

Smyrnium L.

S. perfoliatum L.

Environs of Küplü village, 300m., OUFE 7969, 22 v 1997.

Pimpinella L.

P. lithophila Schischk.

Environs of Akçapınar village, 900m., OUFE 7971, 03 x 1998.

Oenanthe L.

Oe. silaifolia Bieb.

Environs of Karaköy village, 800m., OUFE 7972, 18 vii 1997.

Conium L.

C. maculatum L.

Environs of Demirköy village, 660m., OUFE 16682, 25 vi 2003.

Bupleurum L.

B. rotundifolium L.

Environs of Kızıltepe village, 910m., OUFE 16683, 04 vii 2001.

B. sulphureum Boiss.&Balansa

Environs of Kurtköy village, 740m., OUFE 16684, 06 iix 2002, End., (LC), Ir.-Tur.

Falcaria Fabr.

F. vulgaris Bernh.

Environs of Küplü village, 280m., OUFE 16685, 18 iix 2007.

Ferulago W. Koch

F. macrosciadea Boiss.&Balansa

Environs of Hamidiye village, 920m., OUFE 7973, 04 v 1998, End., (LC), Medit.

Malabaila Hoffm.

M. secacul Banks&Sol.

Environs of Demirköy village, 700m., OUFE 16686, 25 vii 2004.

Heracleum L.

H. platytaenium Boiss**.**

Environs of Karaköy village, 690m., OUFE 16687, 11 vii 2009, End., (LC), Eur.-Sib.

Tordylium L.

T. maximum L.

Environs of Akçapınar village, 900m., OUFE 7975, 03 x 1998.

Torilis Adans.

T. arvensis (Huds.) Link subsp. ***arvensis***

Environs of Aşağıarmutlu village, 780m., OUFE7976, 06 iix 1998.

T. leptophylla (L.) Rchb. f.

Environs of Kızılkaplan village, 400m., OUFE 7977, 10 iix 1997.

Turgenia Hoffm.

T. latifolia (L.) Hoffm.

Environs of Küplü village, 240m., OUFE 16688, 04 v 2010.

Daucus L.

D. carota L.

Environs of Kurtköy village, 320m., OUFE 7978, 06 iix 1998.

Artedia L.

A. squamata L.

Environs of Alibeydüzü village, 940m. OUFE 16689, 12 v 2010.

ARALIACEAE

Hedera L.

H. helix L.

25-30 km of Bozüyük-Bilecik road, 310m., OUFE 7979, 02 xi 1997.

CORNACEAE

Cornus L.

C. mas L.

Environs of Kurtköy village, 715m., OUFE 7980, 24 v 1997.

ADOXACEAE

Sambucus L.

S. ebulus L.

Environs of Aşağıarmutlu village, 890m., OUFE 7981, 04 vii 1998, Eur.-Sib.

CAPRIFOLIACEAE

Valeriana L.

V. dioscoridis Sm.

Environs of Aşağıarmutlu village, 890m., OUFE 7982, 04 vii 1998, E. Medit.

Valerianella Mill.

V. coronata DC.

1-25 km of Bozüyük-Bilecik road, 680m., OUFE 16690, 27 vii 2011.

V. turgida Betcke

Environs of Kızıltepe village, 910m., OUFE 16691, 04 v 2012.

Dipsacus L.

D. laciniatus L.

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 7983, 29 v 1997.

Knautia L.

K. orientalis L.

Environs of Çamyayla village, 810m., OUFE 7986, 19 ix 1997, E. Medit.

Scabiosa L.

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

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 7984, 15 v 1997.

Pterocephalus Vaill. ex Adanson

P. plumosus Coult.

Environs of Yeniköy village, 300m., OUFE 16692, 22 iix 2003.

ASTERACEAE (COMPOSITAE)

Ceratocephalus Moench.

C. falcatus (L.) Pers.

Environs of Şükraniye village, 700m., OUFE 16693, 04 v 2000.

Xanthium L.

X. spinosum L.

Environs of Çamyayla village, 810m., OUFE 7988, 24 v 1998.

X. strumarium L.subsp. ***strumarium.***

Environs of Çamyayla village, 810m., OUFE 7989, 19 ix 1997.

Inula L.

I. ensifolia L.

Environs of Yeniköy village, 300m., OUFE 7991, 22 iix 1998, Eur.-Sib.

I. heterolepis Boiss.

Environs of Hamidiye village, 920m., OUFE 7992, 04 v 1998, E. Medit.

Pulicaria Gaertner

P. dysenterica (L.) Bernh.

Environs of Yeniköy village, 300m., OUFE 7993, 22 iix 1998.

Filago L.

F. pyramidata L.

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 16694, 15 v 2003.

Bombycilaena (DC.) Smolj.

B. erecta (L.) Smoljan.

Environs of Hamidiye village, 920m., OUFE 16695, 04 v 2004.

Erigeron L.

E. acer L. subsp. ***acer***

Environs of Kurtköy village, 740m., OUFE 7996, 06 iix 1998.

Conyza Less.

C. canadensis (L.) Cronquist

Environs of Yeniköy village, 300m., OUFE 7997, 22 iix 1998.

Doronicum L.

D. orientale Hoffm.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 7998, 27 vi 1997.

Senecio L.

S. leucanthemifolius Poir. subsp. ***vernalis*** (Waldst.&Kit.) Greuter

Environs of Aşağıarmutlu village, 890m., OUFE 7999, 04 iv 1998.

Tussilago L.

T. farfara L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 8000, 24 v 1998, Eur.-Sib.

Eupatorium L.

E. cannabinum L.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 8001, 13 vi 1997, Eur.-Sib.

Anthemis L.

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

Environs of Kurtköy village, 740m., OUFE 8002, 06 iix 1998.

A. tinctoria L. var. ***tinctoria***

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 16696, 29 v 2006.

A. tinctoria L. var. ***pallida*** DC.

Environs of Çamyayla village, 810m., OUFE 8004, 19 ix 1997.

A. wiedemanniana Fish. et Mey.

1-25 km of Bozüyük-Bilecik road, 560m., OUFE 8005, 04 vii 1997, End., (LC).

Achillea L.

A. santolinoides Lag. subsp. ***wilhelmsii*** (K.Koch) Greuter

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 8006, 18 vii 1997, Ir.-Tur.

A. nobilis L. subsp. ***neilreichii*** (A.Kern.) Velen.

Environs of Kızıldamlar village, 810m., OUFE 16697, 06 iix 2008, Eur.-Sib.

A. biebersteinii Afan**.**

Environs of Akçapınar village, 900m., OUFE 16698, 18 vii 2001, Ir.-Tur.

Arctium L.

A. minus **(**Hill) Bernh. subsp. ***minus***

Environs of Süleymaniye village, 780m., OUFE 8008, 06 iix 1998, Eur.-Sib.

Onopordum L.

O. tauricum Willd.

Environs of Yeniköy village, 320m., OUFE 16699, 30 vii 2001, Eur.-Sib.

Cirsium Mill.

C. vulgare (Savi) Ten.

Environs of Alibeydüzü village, 940m., OUFE 8011, 26 ix 1998.

C. hypoleucum DC.

1-25 km of Bozüyük-Bilecik road, 620m., OUFE 8012, 08 v 1997.

C. arvense (L.) Scop.

25-30 km of Bozüyük-Bilecik road, 330m., OUFE 16700, 01 iix 2001.

Picnomon Adans.

P. acarna (L.) Cass.

Environs of Şükraniye village, 725m., OUFE 16701, 19 ix 2003, Medit.

Carduus L.

C. nutans L. subsp. ***trojanus*** P.H. Davis

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 8013, 18 vii 1997, End., (CD).

C. arabicus Jacq.

Environs of Kurtköy village, 730m., OUFE 16702, 24 v 2004.

Tyrimnus Cass.

T. leucographus (L.) Cass.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 16703, 13 vi 2007, Medit.

Jurinea Cass**.**

J. pontica Hausskn.&Freyn ex Hausskn.

Environs of Bekdemir village, 290m., OUFE 16704, 06 iix 2009, End., (LC), Ir.-Tur.

Centaurea L.

C. wiedemanniana Fisch.&C.A.Mey.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 8017, 13 vi 1997, End., (VU).

C. virgata Lam.

Environs of Kurtköy village, 740m., OUFE 16705, 06 iix 2010, Ir.-Tur.

C. thracica (Janka) Janka ex Gugler

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 8018, 18 vii 1997,

C. solstitialis L. subsp. ***solstitialis***

Environs of Süleymaniye village, 780m., OUFE 8019, 06 iix 1998.

C. iberica Trevir. ex Spreng.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 8020, 27 vi 1997.

C. urvillei DC. subsp. ***urvillei***

Environs of Kurtköy village, 740m., OUFE 8021, 06 iix 1998,

C. urvillei DC. subsp. ***stepposa***

Environs of Karaköy village, 800m., OUFE 16706, 18 vii 2008, End., (LC), E. Medit.

C. depressa M.Bieb.

25-30 km of Bozüyük-Bilecik road, 450m., OUFE 16707, 29 v 2007.

Crupina (Pers.) DC.

C. vulgaris Pers. ex Cass.

Environs of Hamidiye village, 920m., OUFE 8022, 04 v 1998.

Carthamus L.

C. dentatus Vahl

Environs of Süleymaniye village, 780m., OUFE 16708, 06 iix 2001.

Carlina L.

C. vulgaris L.

Environs of Karaköy village, 800m., OUFE 8023, 18 vii 1997.

Xeranthemum L.

X. annuum. L.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 8024, 24 v 1998.

Echinops L.

E. ritro L.

Environs of Aşağıarmutlu village, 890m., OUFE 8027, 04 iv 1998.

E. microcephalus Sm.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 8025, 12 vi 1998.

Scolymus L.

S. hispanicus L.

Environs of Çamyayla village, 810m., OUFE 16709, 19 iix 2010, Medit.

Cichorium L.

C. *intybus* L.

Environs of Yeniköy village, 300m., OUFE 8029, 22 iix 1998.

Scorzonera L.

S. laciniata L. subsp. ***lacinata***

Environs of Bekdemir village, 230m., OUFE 8031, 06 iix 1998.

S. cana (C.A.Mey.) O.Hoffm. var. ***cana***

25-30 km of Bozüyük-Bilecik road, 310m., OUFE 16710, 28 vi 2004.

S. eriophora DC.

Environs of Hamidiye village, 920m., OUFE 16711, 04 v 2004, End., (LC).

Tragopogon L.

T. porrifolius L. subsp. ***longirostris*** (Sch.Bip.) Greuter

Environs of Karaköy village, 580m., OUFE 8032, 24 v 1998.

Leontodon L.

L. crispus Vill.

Environs of Karaköy village, 290m., OUFE 16712, 11 vii 2009.

Picris L.

P. angustifolia DC.

Environs of Alibeydüzü village, 940m., OUFE 16713, 26 ix 2007, Eur.-Sib.

Sonchus L.

S. asper (L.) Hill subsp. ***glaucescens*** (Jord.) Ball ex Ball

Environs of Kızıltepe village, 910m., OUFE 8034, 24 v 1998.

Hieracium L.

H. pannosum Boiss. subsp. ***bornmuelleri*** (Freyn)

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 16714, 18 vii 2000, End., (LC).

Pilosella Hill

P. hoppeana (Schultes) C.H. et F.W. Schultz subsp. ***macrantha*** (Ten.) S.Bräut.&Greuter

Environs of Kızıldamlar village, 630m., OUFE 16715, 12 vii 2001.

Mycelis Cass.

M. muralis (L.) Dumort.

Environs of Aşağıköy village, 260m., OUFE 8036, 10 x 1998, Eur.-Sib.

Lapsana L.

L. communis L. subsp. ***adenophora*** (Boiss.) Rech.f.
Environs of Çamyayla village, 810m., OUFE 16716, 19 ix 2012.
Taraxacum Wiggers
T. serotinum (Waldst.&Kit.) Poir.
1-25 km of Bozüyük-Bilecik road, 810m., OUFE 8037, 10 v 1998.
Chondrilla L.
C. juncea L. var. ***juncea***
Environs of Karaköy village, 600m., OUFE 8038, 24 v 1998.
Crepis L.
C. commutata Greuter
Environs of Süleymaniye village, 730m., OUFE 16717, 04 v 2010.

CAMPANULACEAE
Campanula L.
C. lyrata Lam. subsp. ***lyrata***
Environs of Hamidiye village, 920m., OUFE 8039, 04 v 1998, End., (LC), Medit.
C. rapunculoides L. subsp. ***cordifolia*** (K.Koch) Damboldt
Environs of Süleymaniye village, 780m., OUFE 16718, 06 iix 2008.
C. olympica Boiss.
Environs of Kurtköy village, 750m., OUFE 8040, 12 iv 1998.
Asyneuma Griseb. et Schenk
A. limonifolium (L.) Janch. subsp. ***limonifolium***
Environs of Karaköy village, 600m., OUFE 16719, 24 v 2000.
Legousia Durande
L. speculum-veneris (L.) Durande ex Vill.
Environs of Akçapınar village, 870m., OUFE 16720, 04 v 2010, Medit.
L. pentagonia (L.) Thell.
Environs of Karaköy village, 720m., OUFE 8041, 11 vii 1997, E. Medit.

ERICACEAE
Erica L.
E. arborea L.
Environs of Karaköy village, 800m., OUFE 16721, 18 vii 2010.
Arbutus L.
A. unedo L.
Environs of Ahmetpınar village, 400m., OUFE 16722, 03 x 2005.

PRIMULACEAE

Primula L.

P. vulgaris Huds. subsp. ***vulgaris***

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 16723, 24 v 2007, Eur.-Sib.

Cyclamen L.

C. coum Mill. var. ***coum***

1-25 km of Bozüyük-Bilecik road, 500m., OUFE 8042, 01 iix 1997.

Lysimachia L.

L. vulgaris L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 8043, 24 ix 1997.

Anagallis L.

A. arvensis L. subsp. ***foemina*** (Mill.) Schinz&Thell.

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 8044, 18 vii 1997, Medit.

OLEACEAE

Jasminum L.

J. fruticans L.

Environs of Kurtköy village, 740m., OUFE 8045, 06 iix 1998, Medit.

Olea L.

O. europaea L. var. ***europaea***

Environs of Kızılkaplan village, 310m., OUFE 8046, 10 ix 1997.

APOCYNACEAE

Vinca L.

V. major L. subsp. ***major***

Environs of Karaköy village, 890m., OUFE 16724, 04 vi 2009, Medit.

Periploca L.

P. graeca L. var. ***graeca*** Boiss. et Heldr.

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 16725, 29 v 2002, E. Medit.

Cynanchum L.

C. acutum L. subsp. ***acutum***

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 16726, 18 vii 2003.

Vincetoxicum N.M. Wolf

V. fuscatum intermedium Taliev

1-25 km of Bozüyük-Bilecik road, 560m., OUFE 16727, 04 vii 2010.

Cionura Griseb.

C. erecta (L.) Griseb.

Environs of Bekdemir village, 220m., OUFE 16728, 13 v 2005, E. Medit.

GENTIANACEAE

Gentiana L.

G. asclepiadea L.

Environs of Hamidiye village, 920m., OUFE 16729, 04 v 2009, Eur.-Sib.

CONVOLVULACEAE

Convolvulus L.

C. cantabricus L.

Environs of Aşağıarmutlu village, 890m., OUFE 8047, 04 iv 1998.

C. holosericeus M. Bieb. subsp. ***holosericeus***

Environs of Yeniköy village, 330m., OUFE 16730, 25 vii 2008.

C. arvensis L.

Environs of Karaköy village, 700m., OUFE 8048, 11 vii 1997.

C. betonicifolius Mill. subsp. ***betonicifolius***

1-25 km of Bozüyük-Bilecik road, 660m., OUFE 8049, 25 vii 1997.

Calystegia R. Br.

C. sepium (L.) R. Br. subsp. ***sepium***

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 8050, 29 v 1997.

BORAGINACEAE

Heliotropium L.

H. europaeum L.

Environs of Akçapınar village, 870m., OUFE 8051, 04 v 1998, Medit.

Lappula Fabricius

L. barbata (M. Bieb.) Gürke

Environs of Akçapınar village, 900m., OUFE 16731, 18 vii 2007, Ir.-Tur.

Myosotis L.

M. arvensis (L.) Hill

Environs of Kızılkaplan village, 310m., OUFE 8053, 10 ix 1997, Eur.-Sib.

M. densiflora C. Koch

Environs of Bekdemir village, 220m., OUFE 16732, 18 vii 2010.

M. sicula Guss.

Environs of Kızılkaplan village, 400m., OUFE 8054, 10 iix 1997.

Cynoglossum L.

C. creticum Mill.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 8055, 27 vi 1997, Eur.-Sib.

C. montanum L.

Environs of Çamyayla village, 810m., OUFE , 19 ix 1997.

Aegonychon Gray

A. purpurea-coeruleum Holub.

Environs of Alibeydüzü village, 940m., OUFE 8056, 26 ix 1998, Eur.-Sib.

Echium L.

E. italicum L.

Environs of Karaköy village, 720m., OUFE 8057, 11 vii 1997, Eur.-Sib.

E. vulgare L.

Environs of Kızıldamlar village, 810m., OUFE 8058, 06 iix 1998, Medit.

Onosma L.

O. bracteosa Hausskn.&Bornm.

Environs of Hamidiye village, 920m., OUFE 8059, 04 v 1998, End., (LC), Ir.-Tur.

O. brevifolia DC. ex Boiss.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 16733, 01 v 2009, End., (LC).

O. x bornmuelleri Hausskn.&Bornm.

Environs of Demirköy village, 660m., OUFE 8060, 25 vii 1997, End., (LC).

O. aucheriana DC.

25-30 km of Bozüyük-Bilecik road, 310m., OUFE 8061, 02 xi 1997, E. Medit.

Cerinthe L.

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

Environs of Süleymaniye village, 780m., OUFE 8062, 12 ix 1998.

Symphytum L.

S. tuberosum subsp. ***nodosum*** **(**Schur) Soo

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 8063, 15 v 1997, Eur.-Sib.

Anchusa L.

A. leptophylla Roem.&Schult. subsp. ***leptophylla***

Environs of Hamidiye village, 920m., OUFE 8064, 04 v 1998.

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

Environs of Çamyayla village, 810m., OUFE 8065, 19 ix 1997, Medit.

A. stylosa M.Bieb.

Environs of Akçapınar village, 870m., OUFE 8066, 04 v 1998.

Alkanna Tausch

A. orientalis (L.) Boiss. var. ***leucantha*** (Bornm.) Hub.-Mor.

Environs of Kurtköy village, 740m., OUFE 16734, 06 iix 2004, End., (CD), Ir.-Tur.

A. tinctoria Tausch subsp. ***tinctoria***
1-25 km of Bozüyük-Bilecik road, 600m., OUFE 16735, 29 v 2008, Medit.

SOLANACEAE
Solanum L.
S. dulcamara L.
Environs of Kurtköy village, 740m., OUFE 8067, 06 iix 1998, Eur.-Sib.
Datura L.
D. stramonium L.
Environs of Aşağıarmutlu village, 890m., OUFE 8068, 04 iv 1998.
Hyoscyamus L.
H. niger L.
Environs of Karaköy village, 690m., OUFE 8069, 11 vii 1997.

SCROPHULARIACEAE
Verbascum L.
V. orientale (L.) All.
1-25 km of Bozüyük-Bilecik road, 670m., OUFE 8070, 12 ix 1997, Medit.
V. glomeratum Boiss.
Environs of Süleymaniye village, 780m., OUFE 8071, 12 ix 1998.
V. cheiranthifolium Boiss. var. ***asperulum*** (Boiss.) Murb.
Environs of Küplü village, 300m., OUFE 8072, 23 iix 1997, End., (LC).

OROBANCHACEAE
Orobanche L.
O. alba Stephan
Environs of Karaköy village, 700m., OUFE 8079, 11 vii 1997.
O. minor Sm.
1-25 km of Bozüyük-Bilecik road, 570m., OUFE 8080, 27 vi 1997.
Melampyrum L.
M. arvense L. var. ***arvense***
Environs of Alibeydüzü village, 940m., OUFE 8078, 26 ix 1998, Eur.-Sib.

ACANTHACEAEA
Acanthus L.
A. hirsutus Boiss.
Environs of Süleymaniye village, 700m., OUFE 8081, 24 iix 1998, End., (LC).

LAMIACEAE (LABIATAE)

Ajuga L.

A. orientalis L.

Environs of Akçapınar village, 900m., OUFE 8083, 24 vii 1998.

A. chamaepitys (L.) Schreb. subsp. ***chia*** (Schreb.) Arcang. var. ***chia***

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 8084, 12 ix 1997.

Teucrium L.

T. chamaedrys L. subsp. ***chamaedrys***

Environs of Kızıldamlar village, 810m., OUFE 8085, 06 iix 1998, Eur.-Sib.

T. polium L.

Environs of Kurtköy village, 740m., OUFE 8086, 06 iix 1998.

Scutellaria L.

S. albida L. subsp. ***albida***

Environs of Süleymaniye village, 780m., OUFE 8088, 06 iix 1998.

S. orientalis L. subsp. ***pinnatifida*** Edmondson

Environs of Kurtköy village, 740m., OUFE 16736, 06 iix 2009, Ir.-Tur.

Phlomis L.

P. pungens Willd. var. ***hispida*** Hub.-Mor.

Environs of Süleymaniye village, 780m., OUFE 16737, 06 iix 2008.

P. russeliana (Sims) Lag. ex Benth.

Environs of Alibeydüzü village, 940m., OUFE 16738, 26 ix 2010, End., (LC), Eur.-Sib.

Lamium L.

L. amplexicaule L.

1-25 km of Bozüyük-Bilecik road, 620m., OUFE 8093, 08 v 1997, Eur.-Sib.

L. purpureum L. var. ***purpureum***

Environs of Aşağıarmutlu village, 890m., OUFE 8094, 04 iv 1998, Eur.-Sib.

L. orientale (Fisch.&C.A.Mey.) E.H.L.Krause.

Environs of Hamidiye village, 920m., OUFE 16739, 04 v 2011, Ir.-Tur.

Ballota L.

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

Environs of Karaköy village, OUFE 8096¸ 12 ix 1998, End., (LC), Ir.-Tur.

Marrubium L.

M. vulgare L.

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 16740, 15 v 2011.

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

Environs of Karaköy village, 700m., OUFE 16741, 11 vii 2010, Ir.-Tur.

M. peregrinum L.

Environs of Aşağıarmutlu village, 890m., OUFE 8099, 04 iv 1998.

Sideritis L.

S. montana L. subsp. ***montana***

Environs of Aşağıarmutlu village, 890m., OUFE 8100, 04 iv 1998, Medit.

S. germanicopolitana Bornm. subsp. ***germanicopolitana***

Environs of Süleymaniye village, 700m., OUFE 8102, 24 iix 1997, End., (LC).

Stachys L.

S. tmolea Boiss.

Environs of Demirköy village, 560m., OUFE 8103, 23 iix 1997, End., (LC), E. Medit.

S. cretica L. subsp. ***anatolica*** Rech. Fil.

Environs of Karaköy village, 600m., OUFE 16742, 24 v 2010, End., (LC), Ir.-Tur.

S. byzantina K.Koch

Environs of Alibeydüzü village, 940m., OUFE 8105, 26 vii 1998, Eur.-Sib.

S. thirkei K.Koch

Environs of Karaköy village, 690m., OUFE 8106, 11 vii 1997.

S. annua (L.) L. subsp. ***annua*** var. ***lycaonica*** Bhattacharjee

Environs of Kızıldamlar village, 810m., OUFE 8108, 06 iix 1998, Ir.-Tur.

Nepeta L.

N. italica L.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 8110, 20 vi 1997.

Prunella L.

P. vulgaris L.

Environs of Süleymaniye village, 780m., OUFE 8111, 12 ix 1998, Eur.-Sib.

Origanum L.

O. sipyleum L.

Environs of Bekdemir village, 220m., OUFE 16743, 28 vi 2007, End., (LC), E. Medit.

O. vulgare L.

Environs of Karaköy village, 670m., OUFE 8112, 12 iv 1997.

Clinopodium L.

C. vulgare L. subsp. ***vulgare***

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 8115, 27 iv 1997.

Micromeria Bentham

M. myrtifolia Boiss.&Hohen.

1-25 km of Bozüyük-Bilecik road, 500m., OUFE 8116, 01 iix 2006, E. Medit.

Thymus L.

T. longicaulis C. Presl subsp. ***longicaulis*** var. ***subisophyllus***

1-25 km of Bozüyük-Bilecik road, 560m., OUFE 16744, 04 vii 2002.

T. sipyleus Boiss. subsp. ***sipyleus*** var. ***sipyleus***

Environs of Ahmetpınar village, 410m., OUFE 16745, 25 vii 2003, End., (LC).

Mentha L.

M. pulegium L.

1-25 km of Bozüyük-Bilecik road, 660m., OUFE 8121, 25 vii 1997.

M. longifolia (L.) Huds. subsp. ***typhoides*** (Briq.) Harley

Environs of Akçapınar village, 900m., OUFE 16746, 03 x 2010.

Ziziphora L.

Z. capitata L.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 8123, 18 vi 1997, Ir.-Tur.

Z. tenuior L.

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 8124, 15 v 1997, Ir.-Tur.

Salvia L.

S. tomentosa Mill.

Environs of Yeniköy village, 300m., OUFE 8125, 22 iix 1998, Medit.

S. bracteata Banks&Sol.

Environs of Kurtköy village, 740m., OUFE 16747, 06 iix 2008, Ir.-Tur.

S. cadmica Boiss.

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 8126, 18 vii 1997, End., (LC).

S. viridis L.

Environs of Demirköy village, 660m., OUFE 8127, 25 vii 1997.

S. sclarea L.

Environs of Hamidiye village, 920m., OUFE 8128, 04 v 1998.

S. aethiopis L.

Environs of Karaköy village, 580m., OUFE 16748, 24 vi 2003.

S. argentea L.

Environs of Süleymaniye village, 720m., OUFE 16749, 25 v 2009, Medit.

S. cyanescens Boiss.&Balansa

Environs of Kurtköy village, 740m., OUFE 8129, 06 iix 1998, End., (LC).

S. virgata Jacq.

1-25 km of Bozüyük-Bilecik road, 580m., OUFE 8130, 22 v 1997, Ir.-Tur.

PLUMBAGINACEAE

Plumbago L.

P. europaea L.

Environs of Süleymaniye village, 780m., OUFE 16750, 06 iix 2005, Eur.-Sib.,

Acantholimon Boiss.

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

Environs of Akçapınar village, 900m., OUFE 8132, 18 vii 1998, Ir.-Tur.

PLANTAGINACEAE

Plantago L.

P. major L. subsp. ***major***

Environs of Karaköy village, 690m., OUFE 8133, 11 vii 1997.

P. lanceolata L.

Environs of Hamidiye village, 920m., OUFE 8134, 04 v 1998.

P. scabra Moench

Environs of Demirköy village, 690m., OUFE 16751, 25 vii 2007.

Linaria Mill.

L. corifolia Desf.

Environs of Ahmetpınar village, 400m., OUFE 8073, 20 ix 1997, End., (LC).

Digitalis L.

D. ferruginea L. subsp. ***ferruginea***

Environs of Aşağıarmutlu village, 890m., OUFE 8074, 04 iv 1998, Eur.-Sib.

D. lamarckii Ivanina

Environs of Alibeydüzü village, 940m., OUFE 16752, 26 ix 2007, End., (LC), Ir.-Tur.

Veronica L.

V. bozakmanii M.A.Fisch.

Environs of Kızıldamlar village, 630m., OUFE 16753, 12 vii 2001, Ir.-Tur.

V. persica Poir.

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 8076, 18 vii 1997.

V. anagallis-aquatica L.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 8077, 27 vi 1997.

Globularia L.

G. trichosantha Fisch.&C.A.Mey.

Environs of Hamidiye village, 920m., OUFE 8082, 04 v 1998.

THYMELAEACEAE

Daphne L.

D. pontica L.

Environs of Kızıldamlar village, 810m., OUFE 8135, 06 iix 1998, Eux.

D. sericea Vahl

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 8136, 29 v 1997, E. Medit.

ELAEAGNACEAE

Elaeagnus L.

E. angustifolia L.

Environs of Aşağıarmutlu village, 890m., OUFE 8137, 04 iv 1998.

SANTALACEAE

Osyris L.

O. alba L.

Environs of Yeniköy village, 300m., OUFE 8138, 22 iix 1998, Medit.

Viscum L.

V. album L. subsp. ***album***

Environs of Karaköy village, 690m., OUFE 8139, 11 vii 1997.

ARISTOLOCHIACEAE

Aristolochia L.

A. pallida Willd.

Environs of Hamidiye village, 920m., OUFE 8140, 04 v 1998.

A. hirta L.

Environs of Akçapınar village, 870m., OUFE 8141, 04 v 1998.

EUPHORBIACEAE

Andrachne L.

A. telephioides L.

Environs of Kurtköy village, 740m., OUFE 16754, 06 iix 2002.

Chrozophora A. Juss.

C. tinctoria (L.) A.Juss.

Environs of Çamyayla village, 810m., OUFE 16755, 19 ix 2008.

Mercurialis L.

M. annua L.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 16756, 20 vi 2008.

Euphorbia L.

E. apios L.

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 8136, 29 v 1997, E. Medit.

E. helioscopia L.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 8143, 18 vi 1997.

E. taurinensis All.

Environs of Alibeydüzü village, 940m., OUFE 16757, 26 vi 2006.

E. herniariifolia Willd. var. ***herniariifolia***

Environs of Karaköy village, 800m., OUFE 8144, 18 vii 1997.

URTICACEAE

Urtica L.

U. dioica L.

Environs of Karaköy village, 690m., OUFE 8145, 11 vii 1997, Eur.-Sib.

MORACEAE

Morus L.

M. alba L.

Environs of Küplü village, 260m., OUFE 8146, 10 ix 1997.

Ficus L.

F. carica L. subsp. ***carica*** (All.) Schinz et Thell.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 8147, 18 vii 1997.

ULMACEAE

Ulmus L.

U. glabra Huds.

Environs of Kızıldamlar village, 810m., OUFE 8148, 06 iix 1998, Eur.-Sib.

CANNABACEAE

Celtis L.

C. australis L.

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 8149, 18 vii 1997, Medit.

JUNGLANDACEAE

Junglans L.

J. regia L.

Environs of Karaköy village, 690m., OUFE 8150, 11 vii 1997.

PLATANACEAE

Platanus L.

P. orientalis L.

Environs of Karaköy village, 580m., OUFE 8151, 28 vii 1998, Eur.-Sib.

FAGACEAE

Fagus L.

F. orientalis Lipsky

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 8152, 18 vii 1997, Eur.-Sib.

Castanea Mill.

C. sativa Mill.

Environs of Kızıltepe village, 920m., OUFE 8153, 24 ix 1998, Eur.-Sib.

Quercus L.

Q. petraea (Mattuschka) Liebl. subsp. ***petraea***

1-25 km of Bozüyük-Bilecik road, 500m., OUFE 8154, 01 iix 1997.

Q. pubescens Willd.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 8155, 20 vi 1997.

Q. coccifera L.

Environs of Kızıltepe village, 1000m., 19 ix 1997, OUFE 8156, Medit.

BETULACEAE

Carpinus L.

C. betulus L.

1-25 km of Bozüyük-Bilecik road, 600m., OUFE 8157, 15 v 1997, Eur.-Sib.

Corylus L.

C. avellana L. var. ***avellana***

Environs of Akçapınar village, 900m., OUFE 8158, 24 ix 1998, Eur.-Sib.

SALICACEAE

Salix L.

S. alba

Environs of Karaköy village, 700m., OUFE 8159, 11 vii 1997, Eur.-Sib.

S. cinerea L.

Environs of Alibeydüzü village, 940m., OUFE 8160, 26 ix 1998, Eur.-Sib.

Populus L.

P. alba L.

25-30 km of Bozüyük-Bilecik road, 310m., OUFE 8161, 02 xi 1997, Eur.-Sib.

P. tremula L.

Environs of Aşağıarmutlu village, 890m., OUFE 8162, 04 iv 1998.

RUBIACEAE

Asperula L.

A. lilaciflora Boiss. subsp**.** ***phrygia*** (Bornm.) Schönb.-Tem.

25-30 km of Bozüyük-Bilecik road, 360m., OUFE 8164, 04 vii 1997, End., (LC).

A. involucrata Wahlenb.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 8165, 20 vi 1997, Eux.

A. arvensis L.

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 8166, 18 vii 1997, Medit.

Galium L.

G. rotundifolium L.

Environs of Kızıldamlar village, 810m., OUFE 8169, 06 iix 1998.

G. odoratum (L.) Scop.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 8167, 18 vi 1997, Eur.-Sib.

G. rivale (Sibth.&Sm.) Griseb.

Environs of Yeniköy village, 300m., OUFE 16758, 22 iix 1998, Eur.-Sib.

G. verum L. subsp. ***verum***

1-25 km of Bozüyük-Bilecik road, 500m., OUFE 8168, 01 iix 1997, Eur.-Sib.

G. paschale Forssk.

Environs of Demirköy village, 660m., OUFE 8170, 25 vii 1997, E. Medit.

Rubia L.

R. tinctorium L.

25-30 km of Bozüyük-Bilecik road, 320m., OUFE 8172, 26 vii 1998, Ir.-Tur.

MONOCOTYLEDONE

ARACEAE

Arum L.

A. elongatum Steven subsp. ***elongatum***

1-25 km of Bozüyük-Bilecik road, 690m., OUFE 16759, 18 vii 2001.

LILIACEAE

Fritillaria L.

F. fleischeriana Steud.&Hochst. ex Schult.&Schult.f.

Environs of Kurtköy village, 715m., OUFE 16760, 24 v 2010, End., (NT), Ir.-Tur.

Tulipa L.

T. armena Boiss. var. ***armena***

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 16761, 20 vi 2002, Ir.-Tur.

Gagea Salisb.

G. bohemica (Zauschn.) Schult.&Schult.f.

Environs of Aşağıarmutlu village, 890m., OUFE 16762, 04 iv 2004.

G. granatellii (Parl.) Parl.

Environs of Aşağıarmutlu village, 890m., OUFE 8186, 04 iv 1998, Ir.-Tur.

G. villosa (M.Bieb.) Sweet var. ***villosa***

Environs of Süleymaniye village, 780m., OUFE 16763, 06 v 2010, Medit.

ASPARAGACEAE

Ruscus L.

R. aceulatus L. var. ***aceulatus***

Environs of Akçapınar village, 900m., OUFE 8173, 03 v 1998.

Asparagus L.

A. tenuifolius Lam.

Environs of Karaköy village, 690m., OUFE 8174, 11 vii 1997, Eur.-Sib.

Prospero Salisb.

P. autumnale (L.) Speta

Environs of Kızıldamlar village, 810m., OUFE 16764, 06 iix 2001, Medit.

Ornithogalum L.

O. pyrenaicum L.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 8179, 27 vi 1997.

O. oligophyllum E.D.Clarke

Environs of Kızıldamlar village, 810m., OUFE 16765, 06 iix 2008.

O. comosum L.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 8180, 01 vi 1997.

Leopoldia Herb.

L. comosa (L.) Parl.

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 8181, 18 vi 1997, Medit.

L. tenuiflora (Tausch) Heldr.

Environs of Kızıldamlar village, 610m., OUFE 8182, 26 vii 1997.

Muscari Mill.

M. neglectum Guss. ex Ten.

Environs of Kızıldamlar village, 810m., OUFE 8184, 06 v 1998.

AMARYLLIDACEAE

Allium L.

A. paniculatum L. subsp. ***paniculatum***

Environs of Alibeydüzü village, 940m., OUFE 8176, 26 v 1998, Medit.

A. ampeloprasum L.

Environs of Süleymaniye village, 780m., OUFE 8178, 06 v 1998, Medit.

A. guttatum Steven subsp. ***sardoum*** (Moris) Stearn

Environs of Çamyayla village, 810m., OUFE 16766, 24 v 2010, Medit.

A. rotundum L.

1-25 km of Bozüyük-Bilecik road, 550m., OUFE 16767, 12 vi 2002, Eur.-Sib.

COLCHICACEAE

Colchicum L.

C. atticum Spruner ex Tommas.

Environs of Demirköy village, 690m., OUFE 16768, 25 xii 2007, E. Medit.

IRIDACEAE

Iris L.

I. orientalis Mill.

25-30 km of Bozüyük-Bilecik road, 220m., OUFE 8187, 13 v 1997, E. Medit.

I. pumila L. subsp. ***attica*** (Boiss.&Heldr.) K.Richt.

1-25 km of Bozüyük-Bilecik road, 810m., OUFE 8188, 13 v 1998, E. Medit.

Crocus L.

C. chrysanthus (Herb.) Herb.

Environs of Kızıldamlar village, 810m., OUFE 8189, 06 ii 1998.

C. olivieri J.Gay subsp. ***olivieri***

1-25 km of Bozüyük-Bilecik road, 670m., OUFE 8191, 18 iii 1997.

C. pallasii Goldb. subsp. ***pallasi***

Environs of Akçapınar village, 900m., OUFE 8190, 03 x 1998.

ORCHIDACEAE

Cephalanthera L.C.M. Richard

C. epipactoides Fisch.&C.A.Mey.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 8192, 20 ii 1997, E. Medit.

C. rubra (L.) Rich.

Environs of Süleymaniye village, 780m., OUFE 16769, 06 iix 2009.

C. damasonium (Mill.) Druce

Environs of Akçapınar village, 900m., OUFE 16770, 03 v 2007, Eur.-Sib.

Epipactis Zinn

E. helleborine (L.) Crantz

Environs of Demirköy village, 660m., OUFE 8193, 25 vii 1997.

Limodorum Boehmer

L. abortivum (L.) Sw. var. ***abortivum***

Environs of Karaköy village, 800m., OUFE 16771, 18 vii 2002.

Platanthera L. C. M. Richard

P. chlorantha (Custer) Rchb.

Environs of Hamidiye village, 920m., OUFE 16772, 04 v 2010.

Anacamptis L. M. C. Richard

A. pyramidalis (L.) Rich.

Environs of Alibeydüzü village, 940m., OUFE 16773, 26 vii 2001.

Orchis L.

O. purpurea Huds.

Environs of Kızıltepe village, 910m., OUFE 16774, 04 v 2007, Eur.-Sib.

O. mascula L. subsp. ***mascula***

Environs of Bekdemir village, 220m., OUFE 8194, 13 v 1998, E. Medit.

Dactylorhiza Necker et Nevski

D. romana (Sebast.) Soó subsp. ***romana***

Environs of Alibeydüzü village, 940m., OUFE 8195, 26 vi 1998, Medit.

TYPHACEAE

Typha L.

T. domingensis Pers.

Environs of Karaköy village, 560m., OUFE 16775, 23 iv 2009.

JUNCACEAE

Juncus L.

J. bufonius L.

Environs of Demirköy village, 690m., OUFE 8196, 25 vii 1997.

CYPERACEAE

Carex L.

C. pendula Huds.

Environs of Hamidiye village, 920m., OUFE 8198, 04 v 1998, Eur.-Sib.

POACEAE (GRAMINAE)

Brachypodium L.

B. sylvaticum (Huds.) P.Beauv.

Environs of Alibeydüzü village, 940m., OUFE 8199, 26 iix 1998.

B. pinnatum (L.) P.Beauv.

25-30 km of Bozüyük-Bilecik road, 330m., OUFE 8200, 26 iix 1998, Eur.-Sib.

Elymus L.

E. hispidus (Opiz) Melderis subsp. ***hispidus***

Environs of Çamyayla village, 810m., OUFE 8202, 19 iix 1997.

Aegilops L.

Ae. umbellulata Zhuk**.** subsp. ***umbellulata***

1-25 km of Bozüyük-Bilecik road, 560m., OUFE 16776, 04 vii 2007, Ir.-Tur.

Ae. geniculata Roth

Environs of Aşağıarmutlu village, 890m., OUFE 8205, 04 vii 1998, Medit.

Hordeum L.

H. bulbosum L.

Environs of Kızılkaplan village, 400m., OUFE 8206, 10 iix 1997.

Bromus L.

B. japonicus Thunb. subsp. ***japonicus***

1-25 km of Bozüyük-Bilecik road, 530m., OUFE 8208, 27 vi 1997.

B. sterilis L.

Environs of Alibeydüzü village, 940m., OUFE 8209, 26 vii 1998.

Avena L.

A. barbata Pott ex Link subsp. ***barbata***

Environs of Küplü village, 290m., OUFE 8211, 11 vii 1997, Medit.

Arrhenatherum P. Beauv.

A. elatius (L.) P.Beauv. ex J.Presl&C.Presl. subsp. ***elatius***

1-25 km of Bozüyük-Bilecik road, 680m., OUFE 8213, 12 iix 1997, Eur.-Sib.

Rostraria Trin.

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

Environs of Kurtköy village, 740m., OUFE 8214, 06 iix 1998.

Koeleria Pers.

K. nitidula Velen.

1-25 km of Bozüyük-Bilecik road, 500m., OUFE 8215, 01 iix 1997.

K. cristata (L.) Tzvelev

Environs of Kızıltepe village, 910m., OUFE 8216, 04 vii 2010.

Alopecurus L.

A. myosuroides Huds. var. ***myosuroides***

1-25 km of Bozüyük-Bilecik road, 500m., OUFE 8221, 01 iix 1997, Eur.-Sib.

Phleum L.

P. montanum K.Koch subsp. ***montanum***

Environs of Karaköy village, 800m., OUFE 16777, 18 vii 2004.

Festuca L.

F. callieri (Hack.) Markgr. subsp. ***callieri***

Environs of Kurtköy village, 740m., OUFE 8224, 06 iix 1998.

F. beckeri (Hack.) Trautv.

25-30 km of Bozüyük-Bilecik road, 450m., OUFE 8225, 29 v 1997.

F. valesiaca Schleich. ex Gaudin

1-25 km of Bozüyük-Bilecik road, 680m., OUFE , 01 v 1997.

Lolium L.

L. perenne L.

Environs of Kurtköy village, 300m., OUFE 8226, 22 iix 1998, Eur.-Sib.

Poa L.

P. trivialis L.

Environs of Kurtköy village, 750m., OUFE 8228, 12 iv 1998.

P. pratensis L.

Environs of Kızıldamlar village, 810m., OUFE 8229, 06 iix 1996.

P. bulbosa L.

Environs of Karaköy village, 690m., OUFE 16778, 11 vii 2007.

Dactylis L.

D. glomerata L. subsp. ***hispanica*** (Roth) Nyman

1-25 km of Bozüyük-Bilecik road, 500m., OUFE 8230, 01 iix 1997, Eur.-Sib.

Cynosurus L.

C. cristatus L.

1-25 km of Bozüyük-Bilecik road, 560m., OUFE 16779, 04 vii 2012, Eur.-Sib.

Briza L.

B. media L.

Environs of Kurtköy village, 930m., OUFE 8233, 16 vi 2009.

Echinaria Desf.

E. capitata (L.) Desf.

1-25 km of Bozüyük-Bilecik road, 680m., OUFE 8234, 12 iix 1997.

Melica L.

M. ciliata L. subsp. ***ciliata***

Environs of Kızılkaplan village, 310m., OUFE 8235, 10 ix 1997, Ir.-Tur.

Glyceria R.Br.

G. notata Chevall.

Environs of Demirköy village, 580m., OUFE 8236, 13 x 1997.

Stipa L.

S. bromoides (L.) Dörfl.

Environs of Hamidiye village, 920m., OUFE 8237, 04 v 1998, Medit.

Oryzopsis Michx.

O. coerulescens (Desf.) Hack.

1-25 km of Bozüyük-Bilecik road, 570m., OUFE 8238, 20 vi 1997.

Chrysopogon Trin.

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

Environs of Küplü village, 280m., OUFE 8241, 18 iix 1998.

Bothriochloa O. Kuntze

B. ischaemum (L.) Keng

1-25 km of Bozüyük-Bilecik road, 680m., OUFE 8242, 12 iix 1997.

ï»¿

Our Mission Statement

Submission Guidelines

Latest news

Welcome

Welcome to Scottish Journal of Arts, Social Sciences and Scientific Studies

Call for Papers 2015

Scottish Journal is inviting papers for

SJASS can be viewed at*

Scottish Journal of Arts, Social Sciences and Scientific Studies (SJASS)

ISSN 2047-1278

Scottish Journal of Arts, Social Sciences and Scientific Studies is a **"peer-reviewed"** and **"refereed"** International scholarly journal. It is the process through which experts in the field of study assess the quality of articles that are submitted to a journal for publication. It is an open access journal that publishes high-quality research articles, all areas of Social-science, Arts, science and technology.

Scottish group is committed to publish scholarly journals. The published papers come under the auspicious umbrella of peer reviewed journals, peer reviewed scientific journals and open access journals.

This scientific Journal welcomes the online manuscript submission that meet the general criteria of significance and academic excellence. Papers will be published approximately two week after acceptance.



Every manuscript is reviewed usually by two reviewers (Both have been, published in whole or in part in any other journal / Both being from a different country / at least one from different institution from the author) familiar with the relevant field of research. To provide the quality information and knowledge that enable our readers to perform their jobs efficiently, continue their education, and help contribute to the advancement of their chosen markets. Scottish journal provides peer reviewed articles to our readers which are researchers, students, academics and increasingly professionals. We help customers advance science and health by providing world-class information and innovative tools that help them make critical decisions, enhance productivity and improve outcomes. Scottish Journal develops online information solutions that help professionals achieve better outcomes.

Scottish Journal Provides World-Class Information:

Scottish Journal publishes trusted, leading-edge Arts, Scientific, Technical and Medical (ASTM) information â€“ pushing the frontiers and fueling a continuous cycle of exploration, discovery and application.

Global Dissemination:

Scottish Journal disseminates and preserves ASTM literature to meet the information needs of the worldâ€™s present and future scientists and clinicians â€“ linking thinkers with ideas.

Responsibility:

As a global leader in Arts, science, technical and medical publishing, we channel our knowledge and strengths to help communities around the world improve science and healthcare. Scottish Journal is passionate about publishing trusted, cutting-edge ASTM information â€“ pushing frontiers and fuelling continuous cycles of innovation, exploration, discovery and progress.

Scottish Journal is optimized by a leading SEO Expert for healthier search engine exposure.