

The Flora of the Forest Series of Yirce-Bürmece-Kömürsu and Muratdere (Bilecik-Bursa, Turkey)

Cengiz TÜRE

Anadolu University, Faculty of Sciences, Department of Biology, Eskişehir-TURKEY

Süleyman TOKUR

Osmangazi University, Faculty of Sciences and Arts, Department of Biology, Eskişehir-TURKEY

Received: 03.11.1997

Accepted: 20.08.1999

Abstract: A field study was carried out to determine the flora of the forest series of Yirce-Bürmece-Kömürsu and Muratdere (Bilecik-Bursa) during 1992-1995. In terms of species and subspecies, the flora of the area consisted of 505 taxa including 358 species, 90 subspecies and 46 varieties belonging to 299 genera of 79 families. Nine taxa are new for A2 and 56 are new for B2 square. The highest number of taxa were from the families of *Asteraceae* 10.0% and *Fabaceae* 9.2%. The phytogeographical distribution was as follows: Euro-Siberian elements 15.7%, Mediterranean elements 10.5%, Irano-Turanian elements 7.3%. The rate of endemism was 5.9% compared with the total flora.

Key Words: Flora, Turkey, Bilecik, Bursa

Yirce-Bürmece-Kömürsu ve Muratdere (Bilecik-Bursa, Türkiye) Orman Serilerinin Florası

Özet: Yirce-Bürmece-Kömürsu ve Muratdere Orman Serilerinin (Bilecik-Bursa) florasının belirlenmesi için arazi çalışmaları 1992-1995 yılları arasında yapılmıştır. Alanın florası 79 familya ve 299 cins'e ait 505 takson; 358 tür, 90 alttür ve 46 varyeteden oluşmaktadır. Bu taksonlardan 9'u A2, 56'si ise B2 kareleri için yeni oldukları saptanmıştır. Alanda en fazla taksona % 10.0 ile *Asteraceae* familyası ve % 9.2 ile *Fabaceae* familyaları sahiptir. Türlerin fitocoğrafik dağılımlarına bakıldığında, Avrupa-Sibirya elementleri %15.7, Akdeniz elementleri % 10.5, ve İran-Turan elementlerinin % 7.3'lük orana sahip oldukları görülmektedir. Toplam floraya göre endemizm oranı % 5.9'dur.

Anahtar Sözcükler: Flora, Türkiye, Bilecik, Bursa

Introduction

The location of our study area is among the Bilecik-Bursa-Kütahya provinces in the A2 and B2 squares described by Davis (1, 2). This area is also at the junction point of three phytogeographic areas which makes it a transition zone. The altitude of the area is between 450 and 1250 m. Surface measurement of the study area is 360 square kilometers (Figure 1).

Major soil groups of the study area are brown forest, alluvial map.1 colluvial and red-brown. The dominant one is brown forest soil (3). Major rock structures are limestone and schist.

The climate of the area is studied according to the meteorological data of Bozüyük, İnegöl and Bilecik. The average temperature of Bilecik is 12°C and the annual precipitation is 436.4 mm. They are 10.4°C and 484.2

mm and 12.3°C and 568.4 mm for Bozüyük and İnegöl respectively (4). When all the climate data is evaluated, it is seen that a part of the study area belongs to the semi-arid Mediterranean and the rest of the area belongs to low-precipitating Mediterranean climate regions. The precipitation regime belongs to the East Mediterranean (5).

Main vegetations of the study area are forest, shrub, grass and humid stream vegetation. The phytosociological situation of the plant association is seen to belong to forest elements of *Quercus pubescentis* and *Quercus Fagetea* classis (6).

The aim of our study was to identify the flora of the region which had not been studied previously except irregular plant collections. The results introduced in our study are expected to contribute to the floristic data of Turkey.

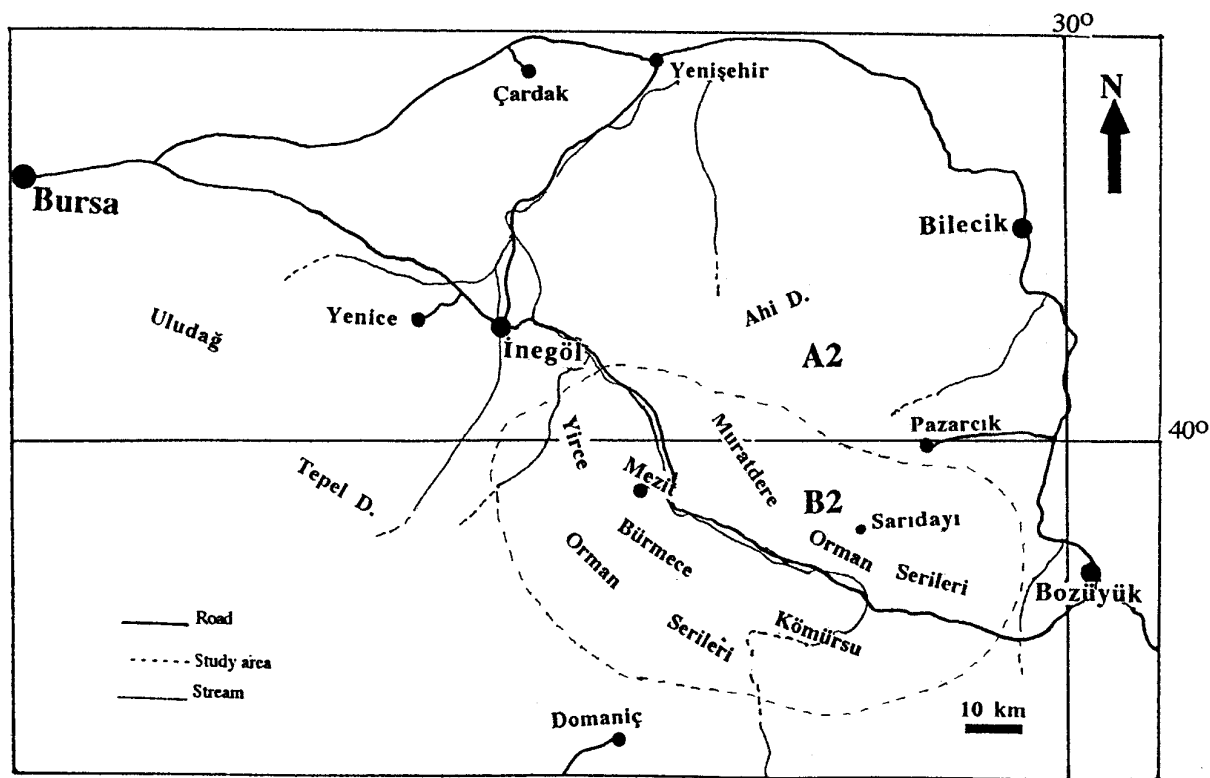


Figure 1. The geographical location of the study area, boundaries of the study area.

Materials and Methods

Vascular plants were collected from the area defined above between 1992 and 1995. Flora of Turkey and the East Aegean Islands, and other sources were used as the main sources for the identification of the plant specimens (7-9). Ankara University Herbarium (ANK) specimens were used to compare when an identification problem arose. The *Poaceae* species were either identified or checked by Prof. Dr. Musa Doğan (METU). The flora are listed according to P.H. Davis (7). A list of the flora is given in the appendix. The list first gives taxa for the species and subspecies followed by locality, phytogeographical region, endemism and occurrence as a new record, respectively. Herbarium record numbers given at the end of the list are organized sequentially in order to find materials easily.

The phytogeographical regions mentioned in the text are abbreviated as follows: Euro-Sib.- Euro-Siberian; Eux.-Euxine; Medit.-Mediterranean; Ir.-Tur.-Irano-Turanian; End.-Endemic and (*).- New record.

The voucher specimens are kept in the Herbarium of Faculty of Sciences and Arts, Osmangazi University (OUFE).

Discussion

In this study, 505 taxa including 358 species, 90 subspecies and 46 varieties belonging to 299 genera of 79 families were identified. After the identification of all of the specimens, the phytogeographical distributions of 171 were determined (7). The phytogeographical distribution of the specimens is shown in Table 1. The abundance of Euro-Siberian and Euxine province elements (15.7 %) and widespread presence of taxa such as *Fagus orientalis* Lipsky, *Carpinus betulus* L. (*Fagaceae*), *Pinus sylvestris* L. and *Abies nordmanniana* (Stev.) Spach subsp. *bornmülleriana* (Matff.) Code and Cullen (*Pinaceae*) indicate the high influence of the Euxine province in the study area (2). On the other hand, the contribution of the Mediterranean (10.5 %) and Irano-Turanian (7.3 %) elements to the flora of the area cannot be overlooked (1). The ratio of endemism is 5.9 % consisting of 30 taxa.

The lack of considerable differentiation of the distribution ratios of the studied taxa in terms of phytogeographical region indicates the effects of three different phytogeographical regions on the study area (Table 1).

Table 1. The comparison of phytogeographical distribution of taxa determined in this study and in previous studies carried out in nearby regions.

| | Euro-Sib | | Medit | | Ir-Tur | | Endemism | |
|-------------------|----------|-----|-------|-----|--------|-----|----------|-----|
| | % | No. | % | No. | % | No. | % | No. |
| Türe (1997) | 15.7 | 80 | 10.5 | 53 | 7.32 | 38 | 5.94 | 30 |
| Ekim-Akman (1991) | 20.0 | - | 25.0 | - | 18.0 | - | 10.0 | - |
| Çırpıcı (1989) | 13.0 | 117 | 11.3 | 119 | 10.0 | 95 | 12.8 | 114 |

The endemism ratio of the study area (5.9 %) is very low compared with the average endemism ratio of the flora of Turkey (30%). It is known that the regions which have high endemic ratios are Central Anatolia, East and South Anatolia (10). However, the endemism ratio of the Black Sea region is about 5%, which is the result of the presence of more stable environmental factors when compared with the Central, Eastern and South Anatolian regions of Turkey. The similarity of the study area to the Black Sea region and the lack of extreme ecological factors may be one of the most important reasons for the low endemism ratio of the study area. The endemism ratios of Murat Mountain (11) and Sündiken Mountain (12) given in previous studies were high compared with our ratios. It was determined that one of the reasons for these low ratios are the locations of these mountains. Murat Mountain is in the Mediterranean phytogeographical region and Sündiken Mountain is in the Irano-Turanian phytogeographical region. In addition, another reason may be the different altitudes of the study area from the ones reported in the literature (11, 12).

Soil and climate are key factors for the vegetation of an area. That is why Mediterranean and Irano-Turanian elements were mostly identified in the east of the study area (around Bozüyük) where precipitation is 436.4 mm. On the other hand, Euro-Siberian elements were dominant at the other parts of the study area which has high precipitation (568.4 mm).

The families including the most number of taxa, their endemism ratio and phytogeographical distribution are given in comparison with the nearby regions of the study area (Tables 1 and 2). Euro-Siberian elements are seen to be in a higher ratio when the phytogeographic distribution of taxa is compared with the other elements in the study area, whereas the distribution ratio of Mediterranean elements is similar to that in the previous report (11). Irano-Turanian elements are relatively much

fewer than those of Murat Mountain, located at the southwest and Sündiken Mountain at the northeast of the study area. This indicates a low Irano-Turanian influence.

Information obtained from the present study and previous reports about the taxa is given in Table 2, including the highest 10 families and their ratios, which almost constitute half of the total plants of the study area. *Asteraceae* and *Fabaceae* have the highest ratio which is the same in the areas adjacent to our study area except *Boraginaceae*, which was not mentioned in the previous report (12). *Caryophyllaceae* was also reported to be in a higher ratio than in our results (11). The families which are not mentioned above but included in Table 2 are found to be in ratios almost similar ratios to those in the previous reports (11, 12).

Table 2. The comparison of families having the largest number of species found in this study and in previous studies carried out in nearby regions.

| Families | Türe | | Ekim-Akman | | Çırpıcı | |
|-------------------------|------|-----|------------|-----|---------|-----|
| | 1997 | | 1991 | | 1989 | |
| | % | No. | % | No. | % | No. |
| <i>Asteraceae</i> | 10.0 | 51 | 9.7 | 65 | 12.6 | 113 |
| <i>Fabaceae</i> | 9.2 | 47 | 9.5 | 64 | 7.3 | 65 |
| <i>Lamiaceae</i> | 7.1 | 36 | 5.9 | 40 | 5.8 | 52 |
| <i>Brassicaceae</i> | 6.1 | 31 | 4.9 | 33 | 6.7 | 60 |
| <i>Poaceae</i> | 5.9 | 30 | 3.7 | 25 | 3.4 | 34 |
| <i>Boraginaceae</i> | 4.1 | 21 | - | - | 3.0 | 27 |
| <i>Caryophyllaceae</i> | 3.9 | 20 | 3.2 | 22 | 6.1 | 55 |
| <i>Rosaceae</i> | 3.7 | 19 | 4.1 | 28 | 4.7 | 42 |
| <i>Apiaceae</i> | 3.7 | 9 | 4.4 | 30 | 3.8 | 34 |
| <i>Scrophulariaceae</i> | 2.9 | 15 | 4.3 | 29 | 4.7 | 42 |

The following genera have the highest taxa, which each are represented by 9 taxa: *Trifolium* L., *Salvia* L., *Euphorbia* L., *Ranunculus* L.

Rare and threatened status of the plants in the study area is also listed using a recent publication (13). As a result of comparisons with this list, some of the taxa which can be listed as rare are *Phlomis longifolia* Boiss. & Bal. var. *longifolia* (*Lamiaceae*), *Dianthus cibrarius* Clem

(*Caryophyllaceae*), *Asparagus tenuifolius* Lam (*Liliaceae*), *Centaurea olympica* C. Koch. The ones which are listed as vulnerable are *Linum hirsutum* L. subsp. *anatolicum* (Boiss.) Hayek (*Linaceae*). To the best of our knowledge, nine and 56 are new records for A2 and B2 squares respectively, collected and identified during the present study for the first time.

In conclusion, the area reported in the present study represents a transition zone which is dominantly affected by the Euro-Siberian region, whereas other phytogeographic elements are also seen in considerable amounts. General vegetation structure is forest and shrub

formation, leaving open spaces and especially shrubs permitting sunlight for the herbal plants, contributing to the increased taxa number of our study area.

Considerable destruction of the vegetation of the area is not seen except at road sides even though the economy of the area depends on agriculture and forest products. Moreover, being a detailed floristic study, this report may be a significant basis for possible variations in the future due to economic, agricultural, industrial and pollution effects and the most evident contribution of it is anticipated for the flora of Turkey.

References

1. Davis, P.H., Turkey present state of floristic knowledge: Department of Botany of Royal Botanic Garden, Edinburgh Univ., 1975.
2. Zohary, M. Geobotanical Foundations of the Middle East, Vol. I. Gustav Fischer-Stuttgart, 1973.
3. Tarım ve Köy İşleri Bakanlığı. Topraksu Genel Müdürlüğü, Bursa-Bilecik İlleri Toprak Envanter Planları, 1983.
4. Meteoroloji Genel Müdürlüğü Verileri, 1995.
5. Akman, Y., İklim ve Biyoiklim, Palme Yayınları No: 103, Ankara, 1990.
6. Türe, C., Altan, M. Ayday, C., Bozüyük-İnegöl Arası Orman Serilerinin Uzaktan Algılama Yöntemleri ile Vejetasyonunun Tanımlanması, III. Uzaktan Algılama ve Türkiyedeki Uygulamaları Semineri, 16-18 Mayıs, Bursa-Uludağ, 1997.
7. Davis, P.H., Flora of Turkey and East Aegean Islands, Vol. 1-10, Edinburgh, 1965-1988.
8. Heywood, V. H., Tutin, G.T., Flora Europea, Vol. I-V, Cambridge, 1963-1980.
9. Hegi, G., Illustrierte Flora von Mittel-Europa, Band: 1, Verlag Paul Pany, Berlin, 1965.
10. Akman, Y., Biyocoğrafya, Palme Yayınları, Ankara, 1993.
11. Çırpıcı, A., Mudat Dağı (Kütahya-Afyon)' nın Florası, Doğa Türk Botanik Dergisi, Cilt: 12, Sayı: 2, Sf: 157-222, 1989.
12. Ekim, T., Akman, Y., Eskişehir İli Sündiken Dağlarındaki Orman Vejetasyonunun Bitki Sosyolojisi Bakımından Araştırılması, Doğa Türk Botanik Dergisi, 15 (1):28-40, 1991.
13. Ekim, T., Koyuncu, M. Erik, S., Ilarslan, R., Türkiyenin Tehlike Altındaki Nadir ve Endemik Bitkileri, Türkiye Tabiatını Koruma Derneği Yayınları, No: 18, Ankara, (1989).

Appendix

The Floristic List

Divisio: PTERIDOPHYTA

Classis: SPHENOPSIDA

EQUISETACEAE

Equisetum telmateia Ehrh Hanöv

A2 Bursa: İnegöl, Mezit village road, 930 m, 5.5.1992, OUFÉ 7390.

HYPOLEPIDACEAE

Pteridium aquilinum (L.) Kuhn.

A2 Bursa: Bozüyük-İnegöl road, forest of Mezit village, 1000 m, 5.7.1995, OUFÉ 7391.

ASPLENIACEAE

Asplenium trichomanes L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 1 km from Mezit village, 600 m, 5.5.1992, OUFÉ 7392.

A. adiantum-nigrum L.

A2 Bursa: İnegöl, Güneykestane village, 550 m, 5.5.1992, OUFÉ 7393.

***A. onopteris** L.

B2 Bilecik: Bozüyük, in the forest east of Kozpınar village, 980 m, 8.6.1994, OUFÉ 7394.

A. ruta-maria L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 2 km from Mezit village, 600 m,

13.7.1995, OUFÉ 7395.

Ceterach officinarum DC.

B2 Bilecik: Bozüyük, 8 km from Bozüyük, 780 m, 15.7.1995, OUFÉ 7396.

Phyllitis scolopendrium (L.) Newm.

A2 Bursa: Bozüyük-İnegöl road, 2 km from Mezit village, 620 m, 15.7.1995, OUFÉ 7397.

ASPIDIACEAE

Polystichum aculeatum (L.) Rott.

A2 Bursa: İnegöl, Güney Kestane village, 800 m, 22.6.1994, OUFÉ 7398.

***Dryopteris filix-mas** (L.) Schoot Gen. fil.

B2 Bilecik: Bozüyük, north of Sarıdayı village, 950 m, 17.6.1995, OUFE 7399.

POLYPODIACEAE

Polypodium vulgare L. subsp. **vulgare** L.

A2 Bursa: İnegöl, Mezit bridge 5, 780 m, 17.6.1995, OUFE 7400.

Divisio: SPERMATOPHYTA

Classis: GYMNOSPERMAE

PINACEAE

Abies nordmanniana (Stex) Spoch subsp. **bornmülleriana** (Mattf.) Code and Cullen.

A2 Bursa: İnegöl, west of Sulhiye village, 2 km, 1050 m, 21.6.1995, End., OUFE 7401.

Pinus sylvestris L.

B2 Bilecik: Bozüyük, between Ormangüzle-Muratdere forest road, 890 m, 21.6.1995, OUFE 7402.

P. nigra Arn. subsp. **pallasiana** (Lamb.) Holmboe

B2 Bilecik: Bozüyük, between Delielmacık-Sarıdayı village, 780 m, 950 m, 21.6.1995, OUFE 7403.

CUPRESSACEAE

Juniperus oxycedrus L. subsp. **oxycedrus**

B2 Bilecik: Bozüyük, east of Ormangüzle village, 980 m, 21.6.1995, OUFE 7404.

J. foeditissima Willd.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1020 m, 21.6.1995, OUFE 7405.

J. excelsa Bieb.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1020 m, 21.6.1995, OUFE 7406.

EPHEDRACEAE

Ephedra major Host.

B2 Bilecik, Bozüyük, Bozüyük-İnegöl road, 5 km to Bozüyük, 770 m, 18.7.1993, OUFE 7407.

Classis: ANGIOSPERMAE

Subclassis: DICOTYLEDONES

RANUNCULACEAE

***Helleborus orientalis** Lam

B2 Bilecik: Bozüyük, between Ormangüzle-Muratdere village, 800 m, 7.5.1992, Euro-Sib., OUFE 7408.

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

B2 Bilecik: Bozüyük, 2 km from Aşağıarmutlu village, 780 m, 19.8.1994, OUFE 7409.

***N. sativa** L.

B2 Bilecik: Bozüyük, 1 km from Aşağıarmutlu village, 760 m, 19.8.1994, OUFE 7410.

Consolida orientalis (Gay.) Schröd.

B2 Bilecik: Bozüyük, around Revnak village, 850 m, 16.6.1993, OUFE 7411.

Clematis vitalba L.

B2 Bilecik: Bozüyük, south of Aşağıarmutlu village, 700 m, 4.6.1993, Nr., OUFE 7412.

C. viticella L.

B2 Bilecik: Bozüyük, west of Aşağıarmutlu village, 640 m, 4.6.1993, Medit., OUFE 7413.

Adonis flammea Jacq.

B2 Bilecik: Bozüyük, İnegöl-Bozüyük road, 44 km, 700 m, 9.5.1993, OUFE 7414.

Ranunculus neopolitanus Ten.

A2 Bursa: Bozüyük, Bozüyük-İnegöl road, around Mezit bridge 4, 500-600 m, 9.4.1993, OUFE 7415.

R.repens L.

A2 Bursa: İnegöl, west of Mezit village, 550 m, 24.4.1993, OUFE 7416.

***R.grandiflorus** L.

B2 Bilecik: Bozüyük, Kızılcaoluk village road, 9.5.1993, OUFE 7417.

R.constantinopolitanus (DC.) d'Urv.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1000 m, 17.05.1992, OUFE 7418.

R. damascenus Boiss. and Gail.

B2 Bilecik: Bozüyük, around Muratdere log depot, 22.5.1992, Ir.-Tur.element, OUFE 7419.

R. arvensis L.

A2 Bursa: İnegöl, east of Sulhiye village, 910 m, 28.5.1992, OUFE 7420.

PAPAVERACEAE

Chelidonium majus L.

A2 Bursa: İnegöl, Güneykeşane village, forest road 3 km, 640 m, 17.5.1992, Euro.-Sib., OUFE 7421.

Glaucium corniculatum (L.) Rud. subsp. **corniculatum**

B2 Bilecik: Bozüyük, 44 km from İnegöl, 820 m, 28.5.1992, Ir.-Tur., OUFE 7422.

G.flavum Crantz.

B2 Bilecik: Bozüyük, Revnak village region, 860 m, 24.4.1993, Nr. OUFE 7423.

G. leiocarpum Boiss

B2 Bilecik: Bozüyük, Aksutekke village, 750 m, 9.5.1993, OUFE 7424.

Papaver rhoeas L.

B2: Bilecik: Bozüyük, 8 km from Bozüyük, 820 m, 9.5.1993, OUFE 7425.

P.lacerum Popov.

A2: Bursa: İnegöl, west of Güneykeşane village, 510 m, 9.5.1993, OUFE 7426.

***Hypocoum procumbens** L.

B2 Bilecik: Bozüyük, south of Delielmacık village, 920 m, 9.5.1993, Medit., OUFE 7427.

H.imberbe Sibth. and Sm

B2 Bilecik: Bozüyük, Muratdere, around log depot, 800 m, 22.5.1992, OUFE 7428.

Fumaria officinalis L.

A2 Bursa: İnegöl, Mezit village, 970 m, 24.6.1992, OUFE 7429.

F.parviflora Lam

B2 Bilecik: Bozüyük, 8 km, from Bozüyük, 770 m, 9.5.1993, OUFE 7430.

CRUCIFERAE (Brassicacea)

Eruca sativa Miller, Gard.

A2 Bursa: İnegöl, around Mezit bridge 5, 510 m, 22.6.1992, OUFÉ 7431.

***Calepina irregularis** (Asso.) Thellung

B2 Bilecik: Bozüyük, west of Çamyayla village, 1010 m, 19.6.1993, OUFÉ 7432.

Rapistrum rugosum (L.) All.

A2 Bursa: İnegöl, around Mezit bridge 5, 600 m, 22.4.1993, OUFÉ 7433.

Conringa perfoliata C. A. Mey.

A2 Bursa: İnegöl, around Mezit bridge 5, 640 m, 19.6.1993, OUFÉ 7434.

***Lepidium campestre** (L.) R.Br.

B2 Bilecik: Bozüyük, Muratdere village, 950 m, 26.6.1993, OUFÉ 7435.

Cardaria draba (L.) Desv. subsp. **draba**

A2 Bursa: İnegöl, around Mezit village, 970 m, 28.5.1992, OUFÉ 7436.

***Iberis taurica** DC.

B2 Bilecik: Bozüyük, Çamyayla village, 930 m, 9.6.1993, OUFÉ 7437.

Thlaspi perfoliatum L.

B2 Bilecik: İnegöl, 3 km from Kozpınar village, 700 m, 25.5.1994, OUFÉ 7438.

T. jaubertii Hedge

B2 Bilecik: Bozüyük, between Ormangüzle Köyü-Muratdere, 1000 m, 17.5.1992, End., OUFÉ 7439.

Capsella bursa-pastoris (L.) Medik

B2: Bilecik: Bozüyük, around Muratdere village, 800 m, 4.4.1992, OUFÉ 7440.

Fibigia clypeata (L.) Medik

A2 Bursa: İnegöl, around Mezit bridge 5, 22.7.1993, 550 m, OUFÉ 7441.

***Feriocarpa** (D.C) Boiss.

B2 Bilecik: Bozüyük, 1 km from Aşağıarmutlu village, 840 m, 28.7.1992, OUFÉ 7442.

Alyssum desertorum Stapf var. **desertorum**

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl road, 2 km to Muratdere, 740 m, 14.6.1994, OUFÉ 7443.

A.minutum Schlecht

B2 Bilecik: Bozüyük, south of Aşağıarmutlu village, 760 m, 4.6.1993, OUFÉ 7444.

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

B2 Bilecik: Bozüyük, around Kızılcapınar village, 740 m, 9.5.1993, OUFÉ 7445.

A.strigosum Banks and Sol. subsp. **strigosum**

A2 Bursa: İnegöl, 2 km from Mezit village, 910 m, 26.5.1994, OUFÉ 7446.

A.sibiricum Wild.

B2 Bilecik: Bozüyük, Delielmacık village, 810 m, 21.6.1994, OUFÉ 7447.

A.murale Waldst var. **murale**

B2 Bilecik: Bozüyük, around Revnak village, 850 m, 19.5.1994, OUFÉ 7448.

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

B2 Bilecik: Bozüyük, 2 km from Aşağıarmutlu village, 730 m, 9.5.1993, OUFÉ 7449.

Turritis laxa (Sibth and Sm) Hayek.

B2 Bilecik: Bozüyük, Sarıdayı village, forest area 930 m, 19.5.1994, OUFÉ 7450.

Rorippa sylvestre L.

B2 Bilecik: Bozüyük, around Muratdere village, 790 m, 28.5.1992, OUFÉ 7451.

Barbarea minor DC. subsp. **minor**

B2 Bilecik: Bozüyük, around Kızılcaoluk village, 1050 m, 9.5.1993, OUFÉ 7452.

***B.plantaginea** DC.

A2 Bursa: İnegöl, 5 km from Osmaniye, 400 m, 1.7.1994, OUFÉ 7453.

Cardamine bulbifera (L.) Crantz

A2 Bursa: İnegöl, around Mezit village, 550 m, 24.4.1994, Euro.-Sib., OUFÉ 7454.

C.impatiens L. var. **pectinata** (Pallas) Trautv.

A2 Bursa: İnegöl, 5 km from Osmaniye, 500 m, 7.1.1994, Euro.-Sib., OUFÉ 7455.

C.hirsuta L.

B2 Bilecik: Kozpınar village road, 790 m, 27.6.1994, OUFÉ 7456.

***Aubrieta pinardii** Boiss.

B2 Bilecik: Bozüyük, between Delielmacık-Aksutekke village, 1010 m, 21.6.1994, End., Ir.-Tur., OUFÉ 7457.

***Hesperis pendula** DC.

B2 Bilecik: Bozüyük, 8 km from Bozüyük, 750 m, 9.5.1993, OUFÉ 7458.

Erysimum cuspidatum (Bieb.) DC.

B2 Bilecik: Bozüyük, around Revnak village, 850 m, 19.6.1994, OUFÉ 7459.

Camelina rumelica Vel.

B2 Bilecik: Bozcaarmut village, 950 m, 21.6.1994, OUFÉ 7460.

C.microcarpa Andrzej.

B2 Bilecik: forest of Arapdede village, 970 m, 21.6.1994, OUFÉ 7461.

RESEDACEAE

Reseda lutea L. var. **lutea**

B2 Bilecik: Bozüyük, around Aşağıarmutlu village, 500 m, 12.8.1995, OUFÉ 7462.

R. luteola L.

B2 Bilecik: Bozüyük, between Ormangüzle village-Domaniç, 950 m, 14.8.1995, OUFÉ 7463.

CISTACEAE

***Cistus creticus** L.

B2 Bilecik: Bozüyük, Delielmacık village, 1000 m, 4.6.1993, Medit., OUFÉ 7464.

C.laurifolius L.

B2 Bilecik: Bozüyük, 1 km from Delielmacık village, 950 m, 4.6.1993, Medit., OUFÉ 7465.

Helianthemum nummularium (L.) Miller subsp. **nummularium**

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1100 m, 17.5.1992, OUFÉ 7466.

***Fumana thymifolia** (L.) Verlot. var. **viridis** (Ten.) Boiss.

A2 Bursa: İnegöl, Bozüyük-İnegöl road, around Mezit bridge 5, 500 m, 27.7.1994, Medit., OUFÉ 7467.

VIOLACEAE***Viola suavis** Bieb.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1150 m, 17.05.1992, OUFÉ 7468.

V.kitaibeliana Roem & Schult

B2 Bilecik: between Ormangüzle village-Muratdere village, 19.05.1992, OUFÉ 7469.

***V.gracilis** Sibth and Sm

B2 Bilecik: Bozüyük, between Delielmacık village-Aksutekke village, 980 m, 12.8.1995, OUFÉ 7470.

POLYGALACEAE

Polygala pruinosa Boiss. subsp. **pruinosa**

B2 Bilecik: between Ormangüzle village-Muratdere village, forest road, 940 m, 19.5.1992, OUFÉ 7471.

Panatolica Boiss. and Heldr.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1010 m, 17.5.1992, OUFÉ 7472.

CARYOPHYLLACEAE**Minuartia hamata** (Hausskn) Mattf.

A2 Bursa: İnegöl, Aksutekke village, around Aksu log depot, 9.5.1993, OUFÉ 7473.

M. anatolica (Boiss.) Woron var. **anatolica**

B2 Bilecik: Bozüyük, around Aşağıarmutlu village, 940 m, 17.5.1992, End., OUFÉ 7474.

Moehringia trinerve (L.) Clairx.

A2 Bursa: İnegöl, 2 km from Sulhiye village, 910 m, 21.5.1992, OUFÉ 7475.

Myosoton aquaticum (L.) Moench

A2 Bursa: İnegöl, İnegöl-Bozüyük road, 1 km from Mezit village, 795 m, 14.6.1994, Euro-Sib., OUFÉ 7476.

***Stellaria holostea** L.

B2 Bilecik: Bozüyük, Delielmacık village, 1050 m, 9.4.1993, Euro-Sib., OUFÉ 7477.

Cerastium banaticum (Roch) Heuffel

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 800 m, 14.6.1994, OUFÉ 7478.

Holesteum umbellatum L. var. **glutinosa** (Bieb) Gay

B2 Bilecik: Bozüyük, Aksutekke village, 930 m, 9.5.1993, OUFÉ 7479.

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

B2 Bilecik: Bozüyük-İnegöl road, 810 m, 18.5.1992, OUFÉ 7480.

Sagina saginoides L.

A2 Bursa: İnegöl, around Güneykeşane village, 500m, 17.5.1992, OUFÉ 7481.

Dianthus micranthus Boiss. and Heldr.

B2 Bilecik: Bozüyük, between Sarıdayı village-Bozcaarmut village, 2 km, 12.7.1994, OUFÉ 7482.

***D.leptopetalus** Wild, Enum

B2 Bilecik: Bozüyük, Muratdere village road 3 km, 780 m, 6.7.1994, OUFÉ 7483.

D.calocephalus Boiss.

B2 Bilecik: Bozüyük, Aşağıarmutlu village, 820 m, 4.6.1993, OUFÉ 7484.

D.cibrarius Clem

A2 Bursa: İnegöl, Güneykeşane village, 500 m, 12.7.1994, OUFÉ 7485.

Saponaria glutinosa Bieb.

B2 Bilecik: Bozüyük, between Arapdede Sarıdayı village, 900 m, 4.5.1993, OUFÉ 7486.

Silene italica (L.) Pers.

B2 Bilecik: Bozüyük, 1 km from Ormangüzle village, 1050 m, 19.6.1993, OUFÉ 7487.

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

A2 Bursa: İnegöl, Mezit village road, 3 km, 940 m, 19.6.1993, OUFÉ 7488.

S.compacta Fischer

B2 Bilecik: Bozüyük, Arapdede village, 930 m, 4.5.1992, OUFÉ 7489.

S.alba (Miller) Krause subsp. **divaricata** (Reichb.) Walters

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, around Ersin Oil Station, 850 m, 28.5.1992, OUFÉ 7490.

Lynchis coronaria (L.) Desr.

A2 Bursa: İnegöl, Güneykeşane village, 720 m, 12.7.1994, Euro-Sib., OUFÉ 7491.

Agrostemma githago L.

B2 Bilecik: Bozüyük, between Delielmacık village-Aksutekke village, 2 km, 940 m, 12.7.1994, OUFÉ 7492.

ILLECEBRACEAE**Paronychia chionaea** Boiss.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1100 m, 17.5.1992, End., OUFÉ 7493.

POLYGONACEAE**Polygonum pulchellum** Lois

A2 Bursa: İnegöl, around Mezit village, 860 m, 10.7.1994, OUFÉ 7494.

Rumex acetosella L.

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl road, around Ersin Oil Station, 28.5.1993, OUFÉ 7495.

R.tuberosus L. subsp. **tuberosus**

A2 Bursa: İnegöl, 1 km from Mezit village, 550 m, 24.4.1993, OUFÉ 7496.

R. obtusifolius L. subsp. **obtusifolius**

B2 Bilecik: Bozüyük, Arapdede village road, 900 m, 4.6.1993, OUFÉ 7497.

R. pulcher L.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1000 m, 17.05.1992, OUFÉ 7498.

CHENOPODIACEAE**Chenopodium polyspermum** L.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 4, 460 m, 28.5.1992, OUFÉ 7499.

GUTTIFERAE (Hypericaceae)**Hypericum calycinum** L.

A2 Bursa: İnegöl, forest area of Güneykeşane village, 450 m, Euro-Sib., OUFÉ 7500.

H. origanifolium Wild.

A2 Bursa: İnegöl, Mezit village road, 2 km, 720 m, 27.4.1994, OUFE 7501.

H.perforatum L.

B2 Bilecik: Bozüyük, Kozpınar village, 920 m, OUFE 7502.

MALVACEAE

Malva sylvestris L.

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl, around Mezit bridge 8, OUFE 7503.

***M. pusilla** Sm

B2 Bilecik: Bozüyük, Arapdede village road, 900 m, 4.6.1993, OUFE 7504.

Lavatera thuringiaca L.

A2 Bursa: İnegöl, around Mezit village, 860 m, 24.4.1994, Nr., OUFE 7505.

Alcea pallida Waldst. & Kit.

B2 Bilecik: Bozüyük, Muratdere log depot, 700 m, 18.4.1994, OUFE 7506.

Althaea officinalis L.

B2 Bilecik: Bozüyük, Revnak village road, 760 m, 18.4.1994, OUFE 7507.

TILIACEAE

Tilia argentea Desf ex DC.

A2 Bursa: İnegöl, west of Güneykestane village, 550 m, 7.6.1995, Observation.

LINACEAE

***Linum flavum** L. subsp. **scabrinerve** (Davis) Davis

B2 Bilecik: Bozüyük, Aşağıarmutlu village road, 740 m, 21.7.1994, End., Ir.-Tur., OUFE 7508.

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

B2 Bilecik: Bozüyük, İnegöl-Bozüyük road, around Mezit bridge 9, 1.7.1994, End., Ir.-Tur., OUFE 7509.

GERANIACEAE

Geranium robertianum L.

A2 Bursa: İnegöl: İnegöl, west of Güneykestane Köyü, 550 m, 7.6.1995, OUFE 7510.

G. rotundifolium L.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around H. Veli Osman Çeşmesi, 820 m, 24.4.1994, OUFE 7511.

G. tuberosum L. subsp. **tuberosum**

B2 Bilecik: Bozüyük, between Ormangüzle village-Muratdere village, 1000 m, 17.5.1992, OUFE 7512.

***G. macrostylum** Boiss.

B2 Bilecik: Bozüyük, Sarıdayı village-Dereköy village, 1100 m, 28.5.1993, E.Medit., OUFE 7513.

G.sylvaticum L.

A2 Bursa: İnegöl, west of Mezit village, 1100 m, 3.5.1992, OUFE 7514.

G.asphodeloides Bornm. subsp. **asphodeloides**

B2 Bilecik: Bozüyük, around Revnak village, 850 m, 7.5.1992, OUFE 7515.

G. pyrenaicum Bornm

B2 Bilecik: Bozüyük, around Ormangüzle village, 1100 m, 7.5.1992, OUFE 7516.

Erodium hoefftianum C. A. Mayer

B2 Bilecik: Bozüyük, Aksu log depot, 800 m, 9.5.1993, OUFE 7517.

***E. amanum** Boiss and Kotschy

B2 Bilecik: Bozüyük, 1 km from Ormangüzle village, 840 m, 19.4.1994, End., OUFE 7518.

E. acaule (L.) Becherer and Thell.

A2 Bursa: İnegöl, between Bozüyük-İnegöl road, H. Veli Osman Çeşmesi, 820 m, 22.6.1992, Medit., OUFE 7519.

RUTACEAE

Haplophyllum suaveolens (DC) G. Don. var. **suaveolens**

A2 Bursa: İnegöl, İnegöl- Bozüyük road, around Osmaniye, 460 m, 4.6.1993, OUFE 7520.

H. myrtifolium Boiss.

B2 Bilecik: Bozüyük, around Aksu log depot, 700 m, 9.5.1993, End., Ir.-Tur., OUFE 7521.

VITACEAE

Vitis vinifera L.

A2: Bursa: İnegöl, Osmaniye village, 450 m, 4.6.1993, Observation.

RHAMNACEAE

Paliurus spina-christi Miller

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl road, 5 km, 780 m, 4.6.1993, OUFE 7522.

***Rhamnus oleoides** L. subsp. **graecus** (Boiss. & Rent.) Holmboe

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl road, 5 km, 4.6.1993, E. Medit., OUFE 7523.

AQUIFOLIACEAE

Ilex colchica Poj.

A2 Bursa: İnegöl, forest road of Mezit village, 5 km, 1200 m, 12.4.1994, Euro.-Sib., OUFE 7524.

ANACARDIACEAE

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

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl road, 5 km, 760 m, 24.5.1993, E. Medit., OUFE 7525.

LEGUMINOSAE (Fabaceae)

Genista lydia Boiss var. **lydia**

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1000 m, 17.5.1992, OUFE 7526.

Lotononis genistoides (Fenzl) Benth.

B2 Bilecik: Bozüyük, between Aksutekke-Sarıdayı village, 12.8.1994, Ir.-Tur., OUFE 7527.

Argyrobium bieberstenii Ball

B2 Bilecik: Bozüyük, around Muratdere village, 850m, 17.5.1992, OUFE 7528.

Robinia pseudoacacia L.

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl road, roadside, 640 m, 4.4.1994, Observation.

Galega officinalis L.

A2 Bursa: İnegöl, around Mezit village, 1100 m, 19.8.1994, OUFE 7530.

Colutea cilicica Boiss & Ball

B2 Bilecik: Bozüyük, Aşağıarmutlu village, 2 km, 760 m, 4.6.1993, OUFÉ 7531.

Astragalus cicer L.

A2 Bursa: İnegöl, 1 km from Sulhiye village, 990 m, 2.7.1994, OUFÉ 7532.

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

A2 Bursa: İnegöl, Sulhiye village road, 2 km, 990 m, 2.7.1994, Euro.-Sib., OUFÉ 7533.

***A. sterocalyx** Bornm

B2 Bilecik: Bozüyük, İnegöl-Bozüyük road, around Ersin Oil Station, 780 m, 28.5.1992, End., Ir.-Tur., OUFÉ 7534.

A. elongatus Wild. subsp. **elongatus**

B2 Bilecik: Bozüyük, between Bozüyük-Muratdere, 800 m, 18.5.1992, End., Ir.-Tur., OUFÉ 7535.

Psoralea bituminosa L.

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl road, 5 km, 610 m, 1.7.1993, OUFÉ 7536.

Vicia cassubica L.

A2 Bursa: İnegöl, Mezit village, 990 m, 18.5.1992, Euro.-Sib., OUFÉ 7537.

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

B2 Bilecik: Bozüyük, between Bozüyük-Muratdere village, 800 m, 20.5.1992, OUFÉ 7538.

Lathyrus aureus (Stev.) Brandza

A2 Bursa: İnegöl, 1 km to Güneykeşane village, 500 m, 23.7.1994, Euro.-Sib., OUFÉ 7539.

L. digitatus (Bieb.) Fiori & Paol.

B2 Bilecik: Bozüyük, between Osmangüzle-Muratdere village, 1000 m, 17.5.1992, OUFÉ 7540.

L. laxiflorus (Desf.) O. Kuntze subsp. **laxiflorus**

A2 Bursa: İnegöl, Mezit village road, 1 km, 820 m, 2.6.1993, OUFÉ 7542.

L. nissolia L.

B2 Bilecik: Bozüyük, east of Aksu Log Store, 780 m, 2.6.1993, OUFÉ 7543.

Trifolium hybridum L. var. **hybridum**

A2 Bursa: İnegöl, around Osmaniye village, 450 m, 18.5.1992, OUFÉ 7544.

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

B2 Bilecik: Bozüyük, Delielmacık village, 1000 m, 4.6.1993, OUFÉ 7545.

***T. rytidosemium** Boiss. & Hah. var. **rytidosemium**

B2 Bilecik: Bozüyük, Sarıdayı village, 900 m, 4.6.1993, Euro.-Sib., OUFÉ 7546.

***T. campestre** Schreb.

A2 Bursa: İnegöl, Sulhiye village, 1050 m, 14.6.1994, OUFÉ 7547.

T. pratense L. var. **pratense**

B2 Bilecik: Bozüyük, Arapdede village, 1050 m, 4.6.1993, OUFÉ 7548.

T. caudatum Boiss.

B2 Bilecik: Bozüyük, around Sarıdayı village, 900 m, 4.6.1993, End., OUFÉ 7549.

T. alpestre L.

A2 Bursa: İnegöl, forest road Mezit village, 3 km, 1200 m, 12.7.1993, Euro.-Sib., OUFÉ 7550.

T. stellatum L. var. **stellatum**

B2 Bilecik: Bozüyük, west of Kızılcapınar village, 820 m, 20.6.1994, OUFÉ 7551.

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

B2 Bilecik: Bozüyük, around Arapdede village, 990 m, 4.6.1993, OUFÉ 7552.

T. angustifolium L. var. **angustifolium**

A2 Bursa: İnegöl, between İnegöl-Bozüyük, around Mezit bridge 5, 550 m, 20.6.1994, OUFÉ 7553.

***Melilotus officinalis** (L.) Desr.

A2 Bursa: İnegöl, 1 km from Güneykeşane village, 550 m, 17.6.1994, OUFÉ 7554.

M. alba Desr.

A2 Bursa: İnegöl, Mezit village, 1150 m, 22.7.1995, OUFÉ 7555.

Trigonella spruneriana Boiss. var. **spruneriana**

A2 Bursa: İnegöl, between Bozüyük-İnegöl, around Mezit bridge 8, 550 m, 24.4.1993, Ir.-Tur., OUFÉ 7556.

Tr. velutina Boiss.

B2 Bilecik: Bozüyük, between Aksutekke and Muratdere village, 4 km, 790 m, 14.6.1994, Ir.-Tur., OUFÉ 7557.

Tr. procumbens (Besser) Reichb.

B2 Bilecik: Bozüyük, around Muratdere log depot, 800 m, 14.4.1992, OUFÉ 7558.

Tr. macrorrhyncha Boiss.

A2 Bursa: İnegöl, 2 km from Mezit village, 540 m, 14.6.1994, End., E. Medit., OUFÉ 7558.

***Medicago radiata** L.

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl, 44 km, 750 m, 28.5.1993, Ir.-Tur., OUFÉ 7559.

M sativa L. subsp. **sativa**

B2 Bilecik: Bozüyük, 1 km from Aşağıarmutlu village, 740 m, 9.7.1993, OUFÉ 7560.

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

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl, around Ersin Oil Station, 850 m, 28.5.1993, OUFÉ 7561.

M.polymorpha L. var. **polymorpha**

A2: Bursa: İnegöl, Sulhiye village, 980 m, 14.6.1994, OUFÉ 7562.

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

B2 Bilecik: Bozüyük, around Kozpınar village, 1000 m, 14.6.1994, OUFÉ 7563.

Dorycnium graecum (L.) Ser.

A2 Bursa: İnegöl, between Güneykeşane and Osmaniye village, 490 m, 28.5.1993, Euro.-Sib., OUFÉ 7564.

Lotus corniculatus L. var. **corniculatus**

B2 Bilecik: Bozüyük, around Revnak village, 850 m, 10.6.1993, OUFÉ 7565.

Anthyllis vulneraria L. subsp. **pulchella** (Vis.) Bornm

A2 Bursa: İnegöl, between G. Kestane and Osmaniye village, 490 m, 17.4.1992, OUFÉ 7566.

A. vulneraria L. subsp. **boisseri** (DC.) Nyman.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, on rocky hill, 710 m, 4.6.1993, OUFÉ 7567.

Coronilla scorpioides (L.) Koch.

B2 Bilecik: Bozüyük, 3 km from Ormangüzle village, 1000 m, 12.7.1994, OUFÉ 7568.

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

B2 Bilecik: Bozüyük, Delielmacık village, 1010 m, 4.6.1993, OUFÉ 7569.

Hippocrepis unisiliquosa L. subsp. **unisiliquosa**

B2 Bilecik: Bozüyük, south Aşağıarmutlu village, 800 m, 16.5.1994, OUFÉ 7570.

Onobrychis aequidentata (Sibth. & Sm.) d' Urv.

B2 Bilecik: Bozüyük, 1 km from Ormangüzle village, 940 m, 27.7.1995, OUFÉ 7571.

O. armena Boiss. & Huet.

B2 Bilecik: Bozüyük, south Aşağıarmutlu village, 770 m, 16.5.1994, End., OUFÉ 7572.

ROSACEAE

Prunus spinosa L. subsp. **dasyphylla** (Schur.) Domin.

B2 Bilecik: Bozüyük, Kozpınar village, 920 m, 4.6.1993, OUFÉ 7573.

P. divaricata Ledeb. subsp. **divaricata**

A2 Bursa: İnegöl, around Güneykestane village, 500 m, 12.5.1995, OUFÉ 7574.

Cerasus avium (L.) Moench.

B2 Bilecik: Bozüyük, Delielmacık village, cultivated field, 830 m, 20.5.1994, OUFÉ 7575.

C. vulgaris Miller, Gard.

B2 Bilecik: Bozüyük: Muratdere village, cultivated field, 790 m, 20.5.1994, Observation.

Armeniaca vulgaris Lam

A2 Bursa: İnegöl, between Güneykestane and Osmaniye village, cultivated field, 450 m, 14.6.1995, Observation.

Persica vulgaris Miller, Grand.

A2 Bursa: İnegöl, Osmaneli village, cultivated field, 400 m, 14.6.1995, Observation.

Amygdalus communis L.

B2 Bilecik: Bozüyük, Muratdere village, cultivated field, 800 m, 14.6.1995, OUFÉ 7576.

A. orientalis Miller

B2 Bilecik: Bozüyük, Aksutekke village, cultivated field, 780 m, 1.7.1993, Ir.-Tur., OUFÉ 7577.

Rubus sanctus Schreber

B2 Bilecik: Bozüyük, Delielmacık village, 1000 m, 12.4.1993, OUFÉ 7578.

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

B2 Bilecik: Bozüyük, Aşağıarmutlu village, 760 m, 4.6.1993, OUFÉ 7579.

Potentilla recta L.

B2 Bilecik: Bozüyük, between Delielmacık and Aksu village, 980 m, 20.4.1993, OUFÉ 7580.

Preptans L.

A2 Bilecik: İnegöl, Mezit village road, under Mezit bridge, 550 m, 1.7.1994, OUFÉ 7581.

Fragaria vesca L.

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl, around Mezit bridge 4, 500 m, 9.4.1993, OUFÉ 7582.

Agrimonia repens L.

B2 Bilecik: Bozüyük, Revnak village, 850 m, 7.8.1994, OUFÉ 7583.

***Sanguisorba minor** Scop. subsp. **muricata** (Spach.) Briq.

B2 Bilecik: Bozüyük, 2 km from Ormangüzle village, 1010 m, 7.8.1994, OUFÉ 7584.

Rosa canina L.

B2 Bilecik: Bozüyük, Aksu village, 700 m, 24.8.1994, OUFÉ 7585.

Crataegus monogyna Jacq. subsp. **monogyna**

B2 Bilecik: Bozüyük, around Kozpınar village, 1100 m, 4.5.1994, OUFÉ 7586.

Malus sylvestris Miller subsp. **orientalis** (A. Uglitzkich) Browicz

B2 Bilecik: Bozüyük, Kozpınar village, cultivated field, 950 m, 20.6.1994, OUFÉ 7587.

Pyrus elaeagnifolia Pallas subsp. **elaegnifolia**

A2 Bursa: İnegöl, Mezit village, 1200 m, 20.6.1994, OUFÉ 7588.

LYTRACEAE

Lytrum salicaria L.

A2 Bursa: İnegöl, Güneykestane village, around Aksu stream, 400 m, 18.6.1994, Euro.-Sib., OUFÉ 7589.

ONAGRACEAE

Epilobium hirsutum L.

A2 Bursa: İnegöl, Güneykestane village, around Aksu stream, 400 m, 18.6.1994, OUFÉ 7590.

E. montanum L.

B2 Bursa: Bozüyük, Aksu village forest, 990 m, 18.6.1994, Euro.-Sib., OUFÉ 7591.

CUCURBITACEAE

Ecballium elaterium (L.) A. Rich.

A2 Bursa: İnegöl, between Mezit and Sulhiye village, 980 m, 8.8.1993, OUFÉ 7592.

CRASSULACEAE

***Sedum acre** L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 780 m, 26.7.1993, OUFÉ 7593.

S. album L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 780 m, 26.7.1993, OUFÉ 7594.

S. pallidum Bieb var. **bithynicum** (Boiss.) Chamberlain

B2 Bilecik: Bozüyük, 2 km to Ormangüzle village, 1100 m, 26.7.1993, OUFÉ 7595.

UMBELLIFERAE (Apiaceae)

Sanicula europae L.

A2 Bursa: İnegöl, Mezit village forest, 1100 m, 24.8.1994, Euro.-Sib., OUFÉ 7596.

Eryngium campestre L. var *virens* Link.

B2 Bilecik: Bozüyük, around Aşağıarmutlu village, 840 m, 28.8.1994, OUFÉ 7597.

Anthriscus nemerosa (Bieb.) Sprengel

B2 Bilecik: Bozüyük, around Kozpınar village, 920 m, 24.8.1994, OUFÉ 7597.

**Scandix aucheri* Boiss.

B2 Bilecik: Bozüyük, Ormangüzle village, 900 m, 19.6.1994, Ir.-Tur., OUFÉ 7598.

S. iberica Bieb.

B2 Bilecik: Bozüyük, around Aşağıarmutlu village road, 740 m, 13.5.1994, OUFÉ 7599.

S. pecten-veneris L.

B2 Bilecik: Bozüyük, around Kızılcaoluk village, 1000 m, 9.6.1993, OUFÉ 7600.

**Smyrniun perforiatum* L.

B2 Bilecik: Bozüyük, between Arapdede and Sarıdayı village, 2 km, 920 m, 4.6.1999, OUFÉ 7601.

Oenanthe silaifolia Bieb.

A2 Bursa: İnegöl, Mezit village forest, 1060 m, 27.8.1995, OUFÉ 7602.

Falcaria vulgaris Bernh.

B2 Bilecik: Bozüyük, Aksu log depot, 790 m, 12.6.1993, OUFÉ 7603.

Ferulago sylvatica (Besser) Reichb.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 4, 600 m, 25.7.1994, Euro.-Sib., OUFÉ 7604.

Heracleum platytaenium Boiss.

B2 Bilecik: Bozüyük, between Deliilmacık and Aksutekke village, 7 km, 810 m, 24.6.1994, Ir.-Tur., OUFÉ 7605.

Tordylium maximum L.

B2 Bilecik: Bozüyük, Kozpınar village, 920 m, 24.6.1994, OUFÉ 7606.

**Laserpitium hispidum* Bieb.

B2 Bilecik: Bozüyük, Bozcaarmut and Sarıdayı village, 2 km, 990 m, 27.5.1994, Euro.-Sib., OUFÉ 7607.

Torilis leptophylla (L.) Reichb.

B2 Bilecik: Bozüyük, Muratdere log depot, 700 m, 24.6.1994, OUFÉ 7608.

Orlaya daucooides (L.) Greuter

A2 Bursa: İnegöl, between Mezit and Kozpınar, 990 m, 27.5.1994, OUFÉ 7609.

Daucus carota L.

B2 Bilecik: Bozüyük, between Arapdede and Deliilmacık village, 2 km, 920 m, 23.5.1994, OUFÉ 7610.

D. guttatus Sm

B2 Bilecik: Bozüyük, around Revnak village, 840 m, 12.7.1994, OUFÉ 7611.

Artemisia squamata L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 700 m, 4.6.1993, OUFÉ 7611.

ARALIACEAE

Hedera helix L.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, Mezit bridge 4, 550 m, 28.5.1992, OUFÉ 7612.

CORNACEAE

Cornus sanguinea L. subsp. *australis* (C.A. Meyer) Jav.

A2 Bursa: İnegöl, Güneykeşane village road, 520 m, 12.4.1993, Euro.-Sib., OUFÉ 7613.

CAPRIFOLIACEAE

Sambucus ebulus L.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, Mezit bridge 5, 480 m, 1.7.1994, Euro.-Sib., OUFÉ 7614.

S. nigra L.

B2 Bilecik: Bozüyük, west of Aşağıarmutlu village, 770 m, 1.7.1994, Euro.-Sib., OUFÉ 7615.

Lonicera etrusca L. var. *etrusca*

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1050 m, 18.5.1992, Medit., OUFÉ 7617.

VALERIANACEAE

Valeriana dioica L.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, Mezit Bridge 5, 550 m, 20.4.1992, OUFÉ 7618.

**V. dioscoridis* Sm.

B2 Bilecik: Bozüyük, Çamyayla village, 1060 m, 5.7.1994, E.Medit., OUFÉ 7619.

Valerianella coronata (L.) DC.

B2 Bilecik: Bozüyük, 1 km from Kozpınar village, 750 m, 24.4.19993, OUFÉ 7620.

DIPSACACEAE

Dipsacus laciniatus L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 790 m, 25.8.1995, OUFÉ 7621.

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

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 4, 450 m, 2.5.1994, OUFÉ 7622.

S. argentea L.

A2 Bursa: İnegöl, between Osmaniye and Güneykeşane village, 580 m, 20.7.1994, OUFÉ 7623.

S. lycia Stapf.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1100 m, 26.8.1995, End., OUFÉ 7624.

**S. persica* Bieb.

B2 Bilecik: Bozüyük, around Revnak village, 850 m, 19.6.1993, Ir.-Tur., OUFÉ 7625.

Pteroccephalus plumosus (L.) Coulter.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 750 m, 4.6.1993, OUFÉ 7626.

COMPOSITAE (Asteraceae)

Helianthus annuus L.

B2 Bilecik: Bozüyük, between Aksutekke and Muratdere village, cultivated field, 790 m, 29.5.1994, OUFÉ 7527.

Xanthium spinosum L.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 4, 560 m, 21.6.1995, OUFÉ 7628.

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

B2 Bilecik: Bozüyük, around Aksu log depot, 780 m, 21.6.1995, OUFÉ 7629.

Inula salicia L.

A2 Bursa: İnegöl, below Güneykeşane village, 450 m, 21.6.1995, Euro.-Sib., OUFÉ 7630.

I. ensifolia L.

A2 Bursa: İnegöl, Güneykeşane village, 550 m, 18.7.1995, Euro.-Sib., OUFÉ 7631.

I. montbretiana DC.

B2 Bilecik: Bozüyük, between Aşağıarmutlu and Çamyayla village, 950 m, 18.7.1995, Ir.-Tur., OUFÉ 7632.

I. heterolepis Boiss.

B2 Bilecik: Bozüyük, between Erikli and Ormangüzle village, 1200 m, 20.6.1994, E. Medit., OUFÉ 7633.

Pulicaria dysenterica (L.) Bernh.

B2 Bilecik: Bozüyük, between Erikli and Ormangüzle village, 600 m, 24.4.1994, OUFÉ 7634.

Logfia arvensis (L.) Halub.

B2 Bursa: Bozüyük, İnegöl-Bozüyük road, around Mezit bridge 5, 590 m, 1.7.1993, OUFÉ 7635.

Bellis perennis L.

A2 Bursa: Bozüyük, İnegöl-Bozüyük road, around Mezit bridge 4, 560 m, 9.4.1994, Euro.-Sib., OUFÉ 7636.

Doronicum orientale Hoffm

B2 Bilecik: Bozüyük, forest area of Deliölmacı village, 990 m, 10.5.1992.

OUFÉ 7637.

Senecio vernalis Waldst & Kit.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1100 m, 28.6.1994, OUFÉ 7638.

Tussilago farfara L.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, 5 km from Osmaniye village, 500 m, 10.2.1994, Euro.-Sib., OUFÉ 7639.

Eupatorium cannabinum L. var. **syriacum** (Jacq.) Boiss.

A2 Bursa: İnegöl, around Mezit village, 980 m, 22.5.1994, OUFÉ 7640.

Anthemis aciphylla Boiss var. **discoidea** Boiss.

B2 Bilecik: Bozüyük, around Muratdere log depot, 800 m, 22.5.1992, End., OUFÉ 7641.

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

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, around Ersin Oil Station, 830 m, 4.6.1993, OUFÉ 7642.

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

B2 Bilecik: Bozüyük, between Arapdede and Sarıdayı village, forest area, 970 m, 12.6.1993, OUFÉ 7643.

Achillea millefolium L. subsp. **millefolium**

B2 Bilecik: Bozüyük, between Muratdere and Ormangüzle village, 1000 m, 22.5.1992, Euro.-Sib. OUFÉ 7644.

A. setacea Waldst. & Kit.

A2 Bursa: İnegöl, Sulhiye village, 1100 m, 19.6.1994, Euro.-Sib., OUFÉ 7645.

Tanacetum parthenium (L.) Schultz.

B2 Bilecik: Bozüyük, 1 km from Ormangüzle village, 820 m, 27.6.1994, OUFÉ 7646.

Onopordum tauricum Wild.

B2 Bilecik: Bozüyük, between Kozpınar and Çaydere village, 1150 m, 24.7.1994, Euro.-Sib. OUFÉ 7647.

***Circium vulgare** (Savi) Ten.

B2 Bilecik: Bozüyük, forest area of Kozpınar village, 1000 m, 24.6.1994, OUFÉ 7648.

C. hypoleucum DC.

A2 Bursa: İnegöl, forest road Mezit village, 2 km, 1100 m, 18.5.1994,

Euro.-Sib., OUFÉ 7649.

Picnomon acarna (L.) Cass.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 720 m, 24.7.1994, Medit., OUFÉ 7650.

Carduus nutans L. subsp. **leiophyllus** (Petr.) Staj. and Stef.

B2 Bilecik: Bozüyük, 1 km from Ormangüzle village, 820 m 19.6.1993, OUFÉ 7651.

Jurinea pontica Hausskn. and Freyn.

B2 Bilecik: Bozüyük, around Aşağıarmutlu village, 760 m, 4.6.1993, OUFÉ 7652.

Centaurea olympica C. Koch.

A2 Bursa: İnegöl, between Güneykeşane and Osmaniye village, 450 m, 27.7.1994, OUFÉ 7653.

C. virgata Lam

A2 Bursa: İnegöl, between Güneykeşane and Osmaniye village, 450 m, 27.7.1994, Ir.-Tur., OUFÉ 7654.

C. thracica (Janka) Hayek & Stef

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 730 m, 4.6.1994, OUFÉ 7655.

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

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 4, 500 m, 27.7.1994, OUFÉ 7656.

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

B2 Bilecik: Bozüyük, around Aksutekke village, 790 m, 4.6.1994, Ir.-Tur., OUFÉ 7657.

C. depressa Bieb.

B2 Bilecik: Bozüyük, 1 km from Aşağıarmutlu, 760 m, 4.6.1994, OUFÉ 7658.

Crupina crupinastrum (Moris) Vis.

B2 Bilecik: Bozüyük, Muratdere village, 780 m, 19.8.1995, OUFÉ 7659.

Carlina oligocephala Boiss. & Kotsch. subsp. **oligocephala**

B2 Bilecik: Bozüyük, around Muratdere log depot, 820 m, 8.7.1994, OUFE 7660.

Xeranthemum annuum L.

A2 Bursa: İnegöl, 1 km from Güneykestane village, 480 m, 1.7.1993, OUFE 7661.

Echinops ritro L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 760 m, 20.7.1994, OUFE 7662.

Scolymus hispanicus L.

B2 Bilecik: Bozüyük, around Revnak village, 850 m, 2.4.1994, Medit., OUFE 7663.

Cichorium intybus L.

A2 Bursa: İnegöl, Güneykestane village, 520 m, 27.7.1994, OUFE 7664.

Scorzonera lacinata L. subsp. **lacinata**

B2 Bilecik: Bozüyük, between Ormangüzle and Muratdere village, 1 km, 1000 m, 17.5.1992, OUFE 7665.

Leontodon asperimus (Willd.) J.Ball and May.

B2 Bilecik: Bozüyük, Kozpınar vilage road, 2 km, 920 m, 28.5.1992, Ir.-Tur., OUFE 7666.

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

B2 Bilecik: Bozüyük: north of Aşağıarmutlu village, 810 m, 28.5.1992, OUFE 7667.

Hieracium pannosum Boiss.

B2 Bilecik: Bozüyük, Delielmacık and Çamyayla village road, 980 m, 26.6.1994, E.Medit., OUFE 7668.

Streptohamphus tuberosus (Jacq.) Grosh.

B2 Bilecik: Bozüyük, north of Bozcaarmut village, 1010 m, 30.8.1994, OUFE 7669.

Scariola viminea (L.) F.W. Schmidt.

B2 Bilecik: Bozüyük, between Revnak and Kızılcapınar village, 830 m, 2.6.1994, OUFE 7670.

Mycelis muralis (L.) Dum.

A2 Bursa: İnegöl, Mezit village, roadside, 910 m, 21.8.1995, Euro.-Sib., OUFE 7671.

Taraxacum serotinum (Waldst. & Kit) Poirét.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 4, 550 m, 9.4.1993, OUFE 7672.

T. officinale Weber.

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl road, Ersin Oil Station, 800 m, 20.5.1992, OUFE 7673.

Chondrilla juncea L. var. **juncea**

B2 Bilecik: Bozüyük, 2 km from Kozpınar village, 820 m, 24.6.1994, OUFE 7673.

***Crepis paludosa** (L.) Moench.

B2 Bilecik: Bozüyük, around Revnak village, 850 m, 19.4.1994, OUFE 7674.

C. reuterana Boiss. subsp. **reuterana**

A2 Bursa: İnegöl, west of Sülhiye village, 1040 m, 21.8.1995, Medit., OUFE 7675.

***C. foetida** L. subsp. **foetida**

B2 Bilecik: Bozüyük, between Ormangüzle and Muratdere village, 1000 m, 17.5.1992, OUFE 7676.

C. sancta (L.) Babcock

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1200 m, 17.5.1992, OUFE 7677.

CAMPANULACEAE

Campanula lyrata L. subsp. **lyrata**

B2 Bilecik: Bozüyük, around Muratdere village, 810 m, 18.6.1992, End., Medit., OUFE 7678.

***C. rapunculoides** L. subsp. **cardifolia** (C.Koch.) Dambolt.

B2 Bilecik: Bozüyük, between Arapdede and Delielmacık village, 900 m, 1.7.1994, OUFE 7679.

***C. glomerata** L. subsp. **hispida** (Witasek) Hayek

B2 Bilecik: Bozüyük, between Arapdede and Delielmacık village, 940 m, 1.7.1994, Euro.-Sib., OUFE 7680.

***C. persicifolia** L.

B2 Bilecik: Bozüyük, between Kızılcapınar and Revnak village, 1 km, 830 m, 24.7.1992, Euro.-Sib., OUFE 7681.

C. olympica Boiss.

B2 Bilecik: Bozüyük, 2 km from Osmangüzle village, 820 m, 19.6.1993, OUFE 7682.

Asyneuma limonifolium (L.) Jahnchen subsp. **limonifolium**

B2 Bilecik: Bozüyük, around Aksu log depot, 790 m, 24.7.1992, OUFE 7683.

A. virgatum (Labill.) Bornm subsp. **virgatum**

B2 Bilecik: Bozüyük, between Alınca and Dereköy village, 1100 m, 19.6.1993, OUFE 7684.

***Legousia falcata** (Ten.) Fritsch.

B2 Bilecik: Bozüyük, between forest road of Arapdede and Sarıdayı village, 900 m, 4.6.1992, Medit., OUFE 7685.

L. speculum-veneris (L.) Chaix.

B2 Bilecik: Bozüyük, 2 km from Osmangüzle village, 820 m, 16.9.1993, Medit., OUFE 7686.

PRIMULACEAE

Primula vulgaris Huds. subsp. **vulgaris**

A2 Bursa: İnegöl, İnegöl-Bozüyük road, Mezit bridge 5, 610 m, 9.4.1993, Euro.-Sib., OUFE 7687.

Cyclamen coum Miller var. **coum**

A2 Bursa: İnegöl, between Güneykestane and Osmaniye village, 500-550 m, 10.2.1994, OUFE 7688.

Lysimachia vulgaris L.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, Mezit bridge 4, 500 m, 4.6.1993, OUFE 7689.

L. verticillaris Sprengel

B2 Bilecik: Bozüyük, Ormangüzle village road, 1 km, 820 m, 28.5.1993, OUFE 7690.

Anagallis arvensis L. var. **arvensis**

A2 Bursa: İnegöl, around Güneykestane village, 570 m, 21.8.1995, OUFE 7691.

OLEACEAE

Jasminum fruticans L.

B2 Bilecik: Bozüyük, İnegöl-Bozüyük road, 5 km, 750-800 m, 9.5.1993, Medit., OUFÉ 7692.

Olea europaea L. var. *europaea*

A2 Bursa: İnegöl, 2 km from Osmaniye village, 400 m, 9.5.1993, OUFÉ 7693.

GENTIANACEAE

Centaurium erythraea Rafne subsp. *turcicum* (Velen.) Melderis.

A2 Bursa: İnegöl, between Güneykeşane and Aksu village, 750 m, 27.7.1994, Euro.-Sib., OUFÉ 7694.

CONVOLVULACEAE

**Convolvulus cantabrica* L.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1100 m, 28.6.1992, OUFÉ 7695.

C. arvensis L.

B2 Bilecik: Bozüyük, around Aksu log depot, 780 m, 4.8.1994, OUFÉ 7696.

C. betonicifolius Miller subsp. *betonicifolius*

B2 Bilecik: Bozüyük, between Arapdede and Delielmacık village, 900 m, 1.7.1994, OUFÉ 7697.

Calystegia silvatica (Kit.) Griseb

A2 Bursa: İnegöl, 2 km from Güneykeşane village, 475 m, 24.7.1994, OUFÉ 7698.

CUSCUTACEAE

Cuscuta planiflora Ten.

A2 Bursa: İnegöl, Güneykeşane village road, parasitical on *Hipericum calycinum*, 450 m, 24.7.1995, OUFÉ 7699.

BORAGINACEAE

Heliotropium europaeum L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 750 m, 9.9.1993, Medit, OUFÉ 7700.

**Myosotis litoralis* Steven ex Bieb.

B2 Bilecik: Bozüyük, Ormangüzle village,

Kocabayır hill, 1000 m, 4.4.1992, E.Medit., OUFÉ 7701.

M. discolor Pers.

A2 Bursa: İnegöl, around Mezt village, 600 m, 24.4.1993, Euro.-Sib., OUFÉ 7702.

M. arvensis (L.) Hill. subsp. *arvensis*

A2 Bursa: İnegöl, 1 km from Mezt village, 630 m, 22.5.1992, Euro.-Sib., OUFÉ 7703.

M. lithospermifolia Wild.

B2 Bilecik: Bozüyük, near Muratdere log depot, 800 m, 17.05.1992, Euro.-Sib., OUFÉ 7704.

Cynoglossum creticum L.

B2 Bilecik: Bozüyük, 1 km from Delielmacık village, 870 m, 28.5.1992, Euro.-Sib., OUFÉ 7705.

Lithospermum purpurocaerulum L.

B2 Bilecik: Bozüyük, between Bozüyük-Muratdere village, around Çobanlar, 830 m, 28.5.1992, Euro.-Sib., OUFÉ 7706.

Echium italicum L.

B2 Bilecik: Bozüyük, around Revnak village, 860 m, 28.5.1992, Euro.-Sib., OUFÉ 7707.

E. vulgare L.

A2 Bursa: İnegöl, around Güneykeşane village, 450 m, 1.7.1994, Medit., OUFÉ 7708.

Onosma isauricum Boiss and Heldr.

B2 Bilecik: Bozüyük, around Muratdere village, 810 m, 17.5.1992, End., Ir.-Tur., OUFÉ 7709.

**O. bracteosum* Hausskn. and Bornm.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1150 m, 24.4.1994, End., Ir.-Tur., OUFÉ 7710.

O. tauricum Pallas ex Willd var. *tauricum*

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 17.5.1992, 750 m, OUFÉ 7711.

**O. bornmülleri* Hausskn.

B2 Bilecik: Bozüyük, East of Aşağıarmutlu village, 790 m, 4.6.1994, End., Ir.-Tur., OUFÉ 7712.

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

A2 Bursa: İnegöl, İnegöl-Bozüyük road, near Mezt bridge 4, 450 m, 1.7.1994, OUFÉ 7713.

Symphytum tuberosum L. subsp. *nodosum* Schur.

A2 Bursa: İnegöl, Güneykeşane village, 400 m, 28.5.1992, Euro.-Sib., OUFÉ 7714.

Trachystemon orientalis (L.) G. Don.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, near Mezt bridge 4, 450 m, 12.6.1995, Euro.-Sib., OUFÉ 7715.

**Brunnera orientalis* (Schenk) Johnston

B2 Bilecik: Bozüyük, Bozcaarmut village road, 1 km, 940 m, 9.5.1993, OUFÉ 7716.

Anchusa undulata L. subsp. *undulata*

B2 Bilecik: Bozüyük, around Muratdere log depot, 800 m, 22.4.1992, Medit., OUFÉ 7717.

A. azurea Miller var. *azurea*

B2 Bilecik: Bozüyük, around Delielmacık village, 1000 m, 4.6.1993, OUFÉ 7718.

**A. stylosa* Bieb.

B2 Bilecik: Bozüyük, near Muratdere log depot, 800 m, 2.4.1992, OUFÉ 7719.

Alkanna tinctoria (L.) Tausch subsp. *tinctoria*

B2 Bilecik: Bozüyük, between Arapdede and Sarıdayı village, 930 m, 12.6.1994, Medit., OUFÉ 7720.

SOLANACEAE

Datura stramonium L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, near B.H. Osman Çeşmesi, 720 m, OUFÉ 7721.

Hyocymus niger L.

B2 Bilecik: Bozüyük, Aşağıarmutlu village road, 760 m, 17.5.1992, OUFÉ 7722.

H. albus L.

A2 Bursa: İnegöl, Mezt village, roadside, 920 m, 6.7.1995, Medit., OUFÉ 7723.

SCROPHULARIACEAE**Verbascum orientale** (L.) All.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 4, 430 m, 1.6.1994, *Medit.*, OUFÉ 7724.

V. glomeratum L.

A2 Bursa: İnegöl, between Güneykeşane and Osmaniye village, 450 m, 1.7.1993, OUFÉ 7725.

Scrophularia scopolii (Hoppe) ex Pers. var. **scopolii**

B2 Bilecik: Bozüyük, between Bözüyük-Muratdere, around Ersin Oil Station, 850 m, 17.5.1992, OUFÉ 7726.

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

B2 Bilecik: Bozüyük, forest road of Kozpınar, 980 m, Ir.-Tur., OUFÉ 7727.

Linaria corifolia Desf.

B2 Bilecik: Bozüyük, between Muratdere and Aksu village, 790 m, 21.6.1994, OUFÉ 7728.

Digitalis ferruginae L. subsp. **ferruginae**

B2 Bilecik: Bozüyük, between Delielmacık and Aksutekke village, 980 m, 12.7.1994, Euro.-Sib., OUFÉ 7729.

Veronica bozakmanii M.A. Fischer

B2 Bilecik: Bozüyük, between Bozüyük-Muratdere, near Ersin Oil Station, 850 m, 28.5.1992, Ir.-Tur., OUFÉ 7730.

V. anagallis-aquatica L.

A2 Bursa: İnegöl, Güneykeşane village, between road and stream, 460 m, 1.6.1994, OUFÉ 7731.

V. chamaedris L.

A2 Bursa: İnegöl, forest area of Mezit village, 1070 m, 9.4.1993, Euro.-Sib., OUFÉ 7732.

V. pectinata L. var. **pectinata**

B2 Bilecik: Bozüyük, around Çamyayla village, 1060 m, 15.4.1993, OUFÉ 7733.

V. multifida L.

B2 Bilecik: Bozüyük, Alınca village road, 1100 m, 9.4.1993, End., Ir.-Tur., OUFÉ 7734.

V. scutellata L.

A2 Bursa: İnegöl, between Mezit and Sulhiye village, 980 m, 9.4.1993, OUFÉ 7735.

Melampyrum arvense L. var. **arvense**

B2 Bilecik: Bozüyük, between Arapdede and Sarıdayı village, 900 m, 9.4.1993, Euro.-Sib., OUFÉ 7736.

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

B2 Bilecik: Bozüyük, between forest road of Delielmacık and Aksu village, 950 m, 28.5.1992, *Medit.*, OUFÉ 7737.

***Bellardia trixago** (L.) All.

B2 Bilecik: Bozüyük, between Bozüyük-Muratdere village, Köşk log depot, 720 m, 9.4.1993, OUFÉ 7738.

OROBANCHACEAE**Orbanche elatior** L.

B2 Bilecik: Bozüyük, 2 km from Kozpınar village, 700 m, 24.4.1994, OUFÉ 7739.

ACANTHACEAE**Acanthus hirsutus** Boiss.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 790 m, 9.5.1993, End., OUFÉ 7740.

GLOBULARIACEAE**Globularia trichosantha** Fisch. & Mey.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 750 m, 17.5.1992, OUFÉ 7741.

LABIATAE (Lamiaceae)**Ajuga chamaeptyis** (L.) Schreber subsp.

chia (Schreber) Arcangelı. var. **chia**

B2 Bilecik: Bozüyük, forest area of Aşağıarmutlu village, 780 m, 28.5.1992, OUFÉ 7742.

Teucrium chamaedrys L. subsp. **chamaedrys**

A2 Bursa: İnegöl, forest area of Sulhiye village, 1100 m, 4.6.1993, Euro.-Sib., OUFÉ 7743.

T. polium L.

B2 Bilecik: Bozüyük, forest area of Aşağıarmutlu village, 700 m, 9.5.1993, OUFÉ 7744.

T. lamiifolium d'Urv. subsp. **lamiifolium**

A2 Bursa: İnegöl, between Bozüyük-İnegöl, Mezit bridge 4, 450 m, 27.7.1994, OUFÉ 7745.

Scutellaria albida L. subsp. **albida**

B2 Bilecik: Bozüyük, around Aksu log depot, 780 m, 22.5.1992, OUFÉ 7746.

***S. rubicunda** Hormen subsp. **subvelutina** (Rech. Fil.) Edmonson

B2 Bilecik: Bozüyük, south of Revnak village, 870 m, 1.7.1993, OUFÉ 7747.

S. orientalis L. subsp. **alpina** (Boiss.) O. Schwarz var. **alpina**

B2 Bilecik: Bozüyük, between Delielmacık and Aksutekke village, 890 m, 22.7.1995, OUFÉ 7748.

***Phlomis longifolia** Boiss & Bal. var. **longifolia**

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1050 m, 22.7.1995, OUFÉ 7749.

Lamium garganicum L. subsp. **reniforme** (Montbret and Aucher exBentham) R. Mill

B2 Bilecik: Bozüyük, around Kızılcıoluk village, 1000 m, 9.5.1993, OUFÉ 7750.

L. amplexicaule L.

B2 Bilecik: Bozüyük, between Arapdede and Delielmacık village, 1 km, 930 m, 1.7.1994, Euro.-Sib., OUFÉ 7751.

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

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 6, 500 m, 25.5.1992, Euro.-Sib., OUFÉ 7752.

L. maculatum L. var. **maculatum**

A2 Bursa: İnegöl, forest area of Sulhiye village, 1100 m, 17.5.1992, Euro.-Sib., OUFÉ 7753.

***Marrubium heterodon** (Bentham) Boiss.&Bal.

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 6, 460 m, 22.7.1995, End., OUFE 7754.

M. peregrinum L.

B2 Bilecik: Bozüyük, between Bozüyük-Muratdere village, around Çobanlar hill, 830 m, 27.8.1995, OUFE 7755.

Sideritis montana L. subsp. **montana**

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 4, 450 m, 4.6.1993, Medit., OUFE 7756.

***Stachys recta** L. subsp. **subcrenata** (Vis.) Brig.

B2 Bilecik: Bozüyük, around Muratdere log depot, 760 m, 28.5.1992, E. Medit., OUFE 7757.

Nepeta italica L.

B2 Bilecik: Bozüyük, 500 m from Revnak village, 820 m, 27.8.1995, OUFE 7758.

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

A2 Bursa: İnegöl, south of Mezit village, 960 m, 22.7.1994, OUFE 7759.

Prunella vulgaris L.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1200 m, 17.5.1992, Euro.-Sib., OUFE 7760.

Origanum vulgare L. subsp. **viride** (Boiss.) Hayek.

A2 Bursa: İnegöl, around Güneykeşane village, between road-stream, 430 m, 27.7.1994, OUFE 7761.

***Clinipodium vulgare** L. subsp. **arundanum** (Boiss.) Nyman.

A2 Bursa: İnegöl, forest road of Sulhiye and Mezit village, 980 m, 22.7.1995, OUFE 7762.

Thymus sibthorpii Benth

A2 Bursa: İnegöl, around Sulhiye village, 1000 m, 9.4.1994, OUFE 7763.

***T. longicaulis** C. Presl. subsp. **longicaulis** var. **subisophyllus** (Barbas) Jalas.

B2 Bilecik: Bozüyük, between Bozüyük-Muratdere village, 830 m, 22.5.1992, OUFE 7764.

Mentha pulegium L.

B2 Bilecik: Bozüyük, near Aksu log depot, 780 m, 17.5.1992, OUFE 7765.

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

A2 Bursa: İnegöl, İnegöl-Bozüyük road, around Mezit bridge 4, 450m, 27.7.1994, OUFE 7766.

Ziziphora capitata L.

B2 Bilecik: Bozüyük, around Aşağıarmutlu village, 760 m, 4.6.1993, Ir.-Tur., OUFE 7767.

Z. tenuior L.

B2 Bilecik: Bozüyük, between Muratdere-Aksutekke village, 800 m, 4.6.1993, Ir.-Tur., OUFE 7768.

Salvia tomentosa Miller

B2 Bilecik: Bozüyük, 1 km from Ormangüzle village, 900 m, 19.6.1993, Medit., OUFE 7769.

S. cadmica Boiss.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1100 m, 17.5.1992, End., OUFE 7770.

S. viridis L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 780 m, 4.6.1993, OUFE 7771.

S.sclarea L.

B2 Bilecik: Bozüyük, between Bozüyük-Muratdere village, 800 m, 24.7.1995, OUFE 7772.

S. aethiopsis L.

A2 Bursa: İnegöl, around Mezit village, 1150 m, 1.7.1994, OUFE 7773.

S. frigida Boiss.

B2 Bilecik: Bozüyük, around Delielmacık village, 880 m, 22.7.1995, OUFE 7774.

S. forskahlerii L.

A2 Bursa: İnegöl, Bozüyük, Ormangüzle village, Kocabayır hill, 450 m, 1.7.1994, Euro.-Sib., OUFE 7775.

S. virgata Jacq.

B2 Bilecik: Bozüyük, around Kozpınar village, 1050 m, 24.4.1994, Ir.-Tur., OUFE 7776.

***S. napifolia** Jacq.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 750 m, 24.7.1995, E. Medit., OUFE 7777, 7778.

PLUMBAGINACEAE

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

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1200 m, 27.8.1995, Ir.-Tur., OUFE 7779.

PLANTAGINACEAE

Plantago major L. subsp. **major**

A2 Bursa: İnegöl, around Güneykeşane village, 500 m, 27.7.1994, OUFE 7780.

P. lanceolata L.

B2 Bilecik: Bozüyük, Aksu log depot, 760 m, 27.7.1994, OUFE 7781.

THYMELAEACEAE

Daphne pontica L.

A2 Bursa: İnegöl, Mezit village road, 2 km, 1150 m, 4.6. 1993, Euro.-Sib., OUFE 7782.

ELAEAGNACEAE

Elaeagnus angustifolia L.

B2 Bilecik: Bozüyük, around Muratdere village, 780 m, 24.6.1994, Observation.

SANTALACEAE

***Osyris alba** L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 790 m, 17.5.1992, Medit., OUFE 7783.

LORANTHACEAE

Viscum album L. subsp. **album**

B2 Bilecik: Bozüyük, Muratdere village, on Amygdalus, 760 m, 22.7.1992, Observation.

V. album L. subsp. **abietis** (Wiesb.) Abromeit

A2 Bursa: İnegöl, around Mezit village, on *Abies*, 990 m, 14.6.1994, Observation.

ARISTOLOCHIACEAE

Aristolochia pallida Wild.

A2 Bursa: İnegöl, between Mezit and Sulhiye village, 580 m, 24.4.1994, OUFÉ 7784.

A. hirta L.

B2 Bilecik: Bozüyük, Aksu Log Store, 900 m, 9.5.1994, End., E.Medit., OUFÉ 7785.

EUPHORBIACEAE

Euphorbia peplis L.

A2 Bursa: İnegöl, Mezit village road, 2 km, 1150 m, 24.8.1995, OUFÉ 7786.

E. apios L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 45 km, 700 m, 24.4.1994, E.Medit., Nr., OUFÉ 7787.

E. stricta L.

B2 Bilecik: Bozüyük, around Arapdede village, 900 m, 4.6.1993, Euro.-Sib., OUFÉ 7788.

E. helioscopia L.

A2 Bursa: Bozüyük, Bozüyük-İnegöl road, 23 km, 780 m, 24.4.1993, OUFÉ 7889.

E. taurinensis All.

B2 Bilecik: Bozüyük, west of Kozpınar village, 1000 m, 18.7.1995, OUFÉ 7790.

E. herniariifolia Wild. var. *herniariifolia*

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1100 m, 17.5.1992, OUFÉ 7791.

**E. macroclada* Boiss.

B2 Bilecik: Bozüyük, south of Revnak village, 850 m, 19.6.1994, Ir.-Tur., OUFÉ 7792.

E. virgata Waldst & Kit.

B2 Bilecik: Bozüyük, Sarıdayı village, 900 m, 4.6.1994, OUFÉ 7793.

E. amygdaloides L. var. *amygdaloides*

A2 Bursa: İnegöl, İnegöl-Bozüyük road,

Mezit bridge 4, 4.6.1993, Euro.-Sib., OUFÉ 7794.

URTICACEAE

Urtica dioica L.

A2 Bursa: İnegöl, between İnegöl-Bozüyük road, around Mezit bridge 5, 600 m, 22.7.1995, Euro.-Sib., OUFÉ 7795.

MORACEAE

Morus alba L.

B2 Bilecik: Bozüyük, Muratdere village, 780 m, 22.7.1995, OUFÉ 7796.

M. nigra L.

A2 Bursa: İnegöl, between Güneykeşane and Osmaneli village, 430 m, OUFÉ 7797.

Ficus carica L. subsp. *carica*

Bursa: İnegöl, Güneykeşane and Osmaneli village, 450 m, OUFÉ 7798.

ULMACEAE

Ulmus glabra Hudson.

A2 Bursa: İnegöl, around Mezit village, 500 m, 20.8.1995, Euro.-Sib., OUFÉ 7799.

Celtis australis L.

A2 Bursa: İnegöl, Güneykeşane and Osmaneli village, 550 m, 9.5.1993, Medit., OUFÉ 7800.

JUGLANDACEAE

Juglans regia L.

A2 Bursa: İnegöl, around Mezit Köyü, 920 m, 24.7.1995, OUFÉ 7801.

PLATANACEAE

Platanus orientalis L.

A2 Bursa: İnegöl, between Güneykeşane and Osmaneli village, 470 m, 24.4.1994, OUFÉ 7802.

FAGACEAE

Fagus orientalis Lipsky

A2 Bursa: İnegöl, İnegöl-Bozüyük road, between Mezit bridge 4-7, 400-900 m, 24.4.1994, Euro.-Sib., OUFÉ 7803.

Castanea sativa Miller

A2 Bursa: İnegöl, around Mezit village, 960 m, 20.6.1995, Euro.-Sib., OUFÉ 7804.

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

A2 Bursa: İnegöl, Mezit village, north of the hill, 990 m, 24.4.1994, OUFÉ 7805.

Q. pubescens Willd.

B2 Bilecik: Bozüyük, around Aşağıarmutlu village, 780 m, 24.4.1994, OUFÉ 7806.

Q. cerris L. var. *cerris*

B2 Bilecik: Bozüyük, between Deliİmçacık and Aksu, 900-1000 m, 24.4.1994, Medit., OUFÉ 7807.

CORYLLACEAE

Carpinus betulus L.

A2 Bursa: İnegöl, between İnegöl-Bozüyük road, Mezit bridge 5, 550 m, 24.4.1994, Euro.-Sib., OUFÉ 7808.

Coryllus avellana L. var. *avellana*

A2 Bursa: İnegöl, between Mezit and Sulhiye village, 960 m, 20.6.1995, Euro.-Sib., OUFÉ 7809.

SALICACEAE

Salix alba L.

B2 Bilecik: İnegöl, between İnegöl-Bozüyük road, Mezit bridge 5, 780 m, 24.4.1994, Euro.-Sib., OUFÉ 7810.

S. cinerea L.

A2 Bursa: İnegöl, around Mezit village, 910 m, 24.4.1993, Euro.-Sib., OUFÉ 7811.

Populus alba L.

A2 Bursa: İnegöl, around Mezit village, 960 m, 26.4.1994, Euro.-Sib., OUFÉ 7812.

P. tremula L.

A2 Bursa: İnegöl, Güneykeşane road, between stream-road, 500 m, 26.5.1994, OUFÉ 7813.

P. usbekistanica Kom.

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl, around Revnak village, 820 m, 26.5.1994, Observation.

RUBIACEAE

Asperula pestalozzae Boiss.

A2 Bursa: İnegöl, forest road of Mezit

village, 1 km, 1100 m, 20.7.1995, End., Euro.-Sib., OUFÉ 7815.

***A. tenella** Heuffel

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 44 km, around Total Oil Station, 750 m, 9.5.1993, OUFÉ 7815.

A. involucrata Wahlenb

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 790 m, 14.6.1994, Euro.-Sib., OUFÉ 7816.

Galium rotundifolium L.

A2 Bursa: İnegöl, Güneykeşane village, between road-stream, 500 m, 16.6.1995, Euro.-Sib., OUFÉ 7817.

G. odoratum (L.) Scop.

A2 Bursa: İnegöl, Güneykeşane village, between road-stream, 500 m, 28.5.1992, Euro.-Sib., OUFÉ 7818.

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

B2 Bilecik: Bozüyük, between Ormangüzle-Muratdere, 1000 m, 17.5.1992, Euro.-Sib., OUFÉ 7819.

G. paschale Forsskal

B2 Bilecik: Bozüyük, Kozpınar village, 1000 m, 16.6.1995, E. Medit., OUFÉ 7819.

G. heldreichii Hal.

A2 Bursa: İnegöl, between İnegöl-Bozüyük, around Mezit bridge 4, 550 m, 4.6.1993, Euro.-Sib., OUFÉ 7821.

Subclasis: MONOCOTYLEDONES

ARACEAE

Dracunculus vulgaris Schott & Endl.

B2 Bilecik: Bozüyük, around Muratdere log depot, 800 m, 14.5.1992, E. Medit., OUFÉ 7822.

LILIACEAE

***Ruscus aculeatus** L. var. **aculeatus**

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1100 m, 17.5.1992, OUFÉ 7823.

R. hypoglossum L.

A2 Bursa: İnegöl, Mezit village, 940 m, 17.5.1992, Euro.-Sib., OUFÉ 7824.

Asparagus tenuifolius Lam

B2 Bilecik: İnegöl, Kozpınar village road, 2 km, 920 m, 24.6.1995, Euro.-Sib., OUFÉ 7825.

Asphodeline lutea (L.) Reichb.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, around Center of Air Fresh, 870 m, 18.4.1994, Medit., OUFÉ 7826.

Allium paniculatum L. subsp. **paniculatum**

B2 Bilecik: Bozüyük, south of Aşağıarmutlu village, 810 m, 20.6.1995, Medit., OUFÉ 7827.

A. paniculatum L. subsp. **fuscum** (Waldst & Kit) Arc.

A2 Bursa: İnegöl, Mezit village, on rocks, 940 m, 20.4.1994, Medit., OUFÉ 7828.

A. orientale Boiss.

B2 Bilecik: Bozüyük, between Deliİmacık and Aksu village, 3 km, 990 m, 12.6.1995, E. Medit., OUFÉ 7829.

A. ampeloprasum L.

A2 Bursa: İnegöl, Mezit village road, 1 km, 540 m, 9.5.1993, Medit., OUFÉ 7830.

A. sativum L.

B2 Bilecik: Bozüyük, between Arapdede and Sarıdayı village, 950 m, 27.8.1995, OUFÉ 7831.

***Ornithogalum pyrenaicum** L.

A2 Bursa: İnegöl, Mezit village, 1 km, 920 m, 22.5.1993, OUFÉ 7832.

O. comosum L.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 780 m, 9.5.1993, OUFÉ 7833.

Muscari armeniacum Leschtlin.

B2 Bilecik: Bozüyük, around Muratdere Log Store, 800 m, 14.5.1992, OUFÉ 7834.

M. neglectum Guss.

B2 Bilecik: Bozüyük, between Ormangüzle and Muratdere, 1000 m, 17.5.1992, OUFÉ 7835.

Gagae granatellii (Parl.) Parl.

B2 Bilecik: Bozüyük, between Bozüyük-Muratdere village, around Çobanlar, 820 m, 22.2.1992, OUFÉ 7836.

IRIDACEAE

***Iris schachtii** Markgraf

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1200 m, 17.5.1992, End., Ir.-Tur., OUFÉ 7837.

Crocus chrysanthus (Herbert) Herbert

B2 Bilecik: Bozüyük, between Deliİmacık and Muratdere village, 800 m, 22.2.1994, OUFÉ 7838.

C. antalyensis Mathew.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1200 m, 22.2.1994, End., E.Medit., OUFÉ 7839.

***C. speciosus** Bieb. subsp. **xantholaimas** Mathew.

A2 Bursa: İnegöl, Güneykeşane village road, 1 km, 920 m, 4.10.1993, End., Euro.-Sib., OUFÉ 7840.

Gladolus atroviolaceus Boiss.

A2 Bursa: İnegöl, Mezit village road, 2 km, 600 m, 28.5.1992, Ir.-Tur., OUFÉ 7841.

ORCHIDACEAE

Cephalanthera epipactoides Fisch & Mey.

B2 Bilecik: Bozüyük, between forest road Kızılcaoluk and Revnak village, 840 m, 24.4.1993, E. Medit., OUFÉ 7842.

C. rubra (L.) L.C.M. Richard

A2 Bursa: İnegöl, Mezit village road, under *Fagus orientalis* 600 m, 24.4.1993, OUFÉ 7842

Epipactis heleborine (L.) Crantz.

B2 Bilecik: Bozüyük, between Bozüyük-İnegöl, 44 km, north of Total Oil Station, 750 m, 9.5.1993, OUFÉ 7844.

Limodorum abartivum (L.) Swartz.

B2 Bilecik: Bozüyük, between Arapdede and Sarıdayı village, 910 m, 4.6.1993, OUFÉ 7845.

Anacamptis pyramidalis (L.) L.C.M. Richard

B2 Bilecik: Bozüyük, Revnak village, 850 m, 19.6.1994, OUFÉ 7846.

Orchis mascula (L.) L. subsp. **pinetorum** (Boiss. & Kotschy.) G. Camus.

B2 Bilecik: Bozüyük, East of Muratdere Log Store, 800 m, 14.5.1992, E. Medit., OUFE 7847.

Dactylorhiza romana (Leb.) Soo. Nom. subsp. **romana**

B2 Bilecik: Bozüyük, forest area of Aşağıarmutlu village, forest, 760 m, 4.6.1993, Medit., OUFE 7848.

JUNCACEAE

Juncus bufonius L.

A2 Bursa: İnegöl, around Güneykeşane village, 550 m, 4.6.1993, OUFE 7849.

J. subnodulosus Schrank

B2 Bilecik: Bozüyük, around Muratdere Log Store, 870 m, 24.8.1995, OUFE 7850.

CYPERACEAE

Cyperus glaber L.

A2 Bursa: Bozüyük, between İnegöl-Bozüyük, Mezit bridge 4, 500 m, 24.8.1995, OUFE 7851.

Carex pendula Hudson

A2 Bursa: İnegöl, İnegöl-Bozüyük road, near Osmaneli village, 450 m, 22.7.1995, Euro.-Sib., OUFE 7852.

C. halleriana L.

B2 Bilecik: Bozüyük, west of Aşağıarmutlu village, 820 m, 22.7.1995, Medit., OUFE 7853.

GRAMINAE (Poaceae)

Brachypodium sylvaticum L.

B2 Bilecik: Bozüyük, forest road of Kozpınar and Ormangüzle village, 900-1100 m, 18.7.1995, OUFE 7854.

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

B2 Bilecik: Bozüyük, around Aşağıarmutlu village, 780 m, 14.6.1993, OUFE 7855.

***Aegilops cylindrica** Host.

B2 Bilecik: Bozüyük, Bozüyük and İnegöl, 44 km, around Total Oil Station, 800 m, 15.7.1994, Ir.-Tur., OUFE 7856.

***Ae. umbellulata** Zhukovsky

B2 Bilecik: Bozüyük, Bozüyük and İnegöl, 44 km, around Total Oil Station, 800 m, 15.7.1994, Ir.-Tur., OUFE 7857.

Ae. geniculata Roth.

B2 Bilecik: Bozüyük, Aşağıarmutlu village road, 770 m, 15.7.1994, Medit., OUFE 7858.

Hordeum bulbosum L.

B2 Bilecik: Bozüyük, between Sarıdayı and Bozcaarmut village, 980 m, 15.7.1994, OUFE 7859.

Taeniatherum caput-medusae (L.) Nevski subsp. **asper** (Simonkai) Melderis

B2 Bilecik: Bozüyük, forest road of Kozpınar and Ormangüzle village, 2 km, 1050 m, 4.7.1993, OUFE 7860.

Bromus japonicus Thunb. subsp. **japonicus**

A2 Bursa: İnegöl, between Güneykeşane and Osmaneli village, 450 m, 28.5.1993, OUFE 7861.

B. tectorum L.

B2 Bilecik: Bozüyük, around Aksu log depot, 780 m, 15.7.1994, OUFE 7862.

B. sterilis L.

B2 Bilecik: Bozüyük, Revnak village meadows, 840 m, 4.7.1993, OUFE 7863.

Avena barbata Pott. subsp. **barbata**

A2 Bursa: İnegöl, between Bozüyük-İnegöl road, near Mezit bridge 4, 540 m, 28.5.1993, Medit., OUFE 7864.

Koeleria nitidula Velem

A2 Bursa: İnegöl, around Mezit village, 1010 m, 9.5.1994, OUFE 7865.

K. cristata (L.) Pers.

B2 Bilecik: Bozüyük, Bozüyük-İnegöl road, 5 km, 780 m, 4.7.1994, OUFE 7866.

Anthoxanthum odoratum L.

A2 Bursa: İnegöl, Mezit village, 1010 m, 18.7.1995, Euro.-Sib., OUFE 7867.

Phleum montanum C. Koch. subsp. **montanum**

B2 Bilecik: Bozüyük, Ormangüzle village forest area, 1050 m, 15.7.1994, OUFE 7868.

Festuca callieri (Hackelex st. Yves.) F. Markgraf subsp. **callieri**

B2 Bilecik: Bozüyük, Kozpınar village, around Büyük Çeşme, 1020 m, 4.7.1993, OUFE 7869.

Lolium perenne L.

A2 Bursa: İnegöl, between Güneykeşane and Osmaneli village, 450 m, 15.7.1994, Euro.-Sib., OUFE 7870.

Poa pratensis L.

B2 Bilecik: Bozüyük, between Revnak and Kızılcaoluk village, 840 m, 4.7.1993, OUFE 7871.

P. nemoralis L.

A2 Bursa: İnegöl, between Güneykeşane and Osmaneli village, 450 m, 15.6.1994, OUFE 7872.

P. bulbosa L.

B2 Bilecik: Bozüyük, around Muratdere log depot, 780 m, 7.6.1992, OUFE 7873.

Dactylis glomerata L. subsp. **glomerata**

B2 Bilecik: Bozüyük, Kızılcaoluk village, 920 m, 9.5.1994, OUFE 7874.

Cynosurus cristatus L.

B2 Bilecik: Bozüyük, forest road of Kozpınar and Muratdere village, 980 m, 7.6.1992, Euro.-Sib., OUFE 7875.

***Briza media** L.

B2 Bilecik: Bozüyük, forest road of Kozpınar and Muratdere village, 1070 m, 18.7.1995, OUFE 7876.

Echinaria capitata (L.) Desf.

B2 Bilecik: Bozüyük, Deliarmacık village, 880 m, 15.6.1994, OUFE 7877.

Melica uniflora Redze

A2 Bursa: İnegöl, Mezit village, forest road, 2 km, 1200 m, 12.5.1994, OUFE 7878.

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

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1100 m, 9.5.1993, OUFE 7879.

***Stipa lessingiana** Trin & Rupr.

B2 Bilecik: Bozüyük, Ormangüzle village, Kocabayır hill, 1000 m, 17.7.1995, OUFE 7880.

Cynodon dactylon (L.) Pers. var. **dactylon**

B2 Bilecik: Bozüyük, between Aksutekke and Sarıdayı village, 980 m, 24.8.1994, OUFE 7881.

Crysopogon gryllus (L.) Trin.

B2 Bilecik: Bozüyük, between Delielmacık and Aksu village, 900-1000 m, 27.8.1994, OUFE 7882.

Zea mays L.

B2 Bilecik: Bozüyük, Revnak village, field area, 820 m, 22.7.1993, Observation.