

1-1-2005

The Flora of Bitlis River Valley

ABDULLAH ALTIOK

LÜTFİ BEHÇET

Follow this and additional works at: <https://journals.tubitak.gov.tr/botany>



Part of the [Botany Commons](#)

Recommended Citation

ALTIOK, ABDULLAH and BEHÇET, LÜTFİ (2005) "The Flora of Bitlis River Valley," *Turkish Journal of Botany*. Vol. 29: No. 5, Article 3. Available at: <https://journals.tubitak.gov.tr/botany/vol29/iss5/3>

This Article is brought to you for free and open access by TÜBİTAK Academic Journals. It has been accepted for inclusion in Turkish Journal of Botany by an authorized editor of TÜBİTAK Academic Journals. For more information, please contact academic.publications@tubitak.gov.tr.

The Flora of Bitlis River Valley

Abdullah ALTIOK, Lütfi BEHÇET

Yüzüncü Yıl University, Faculty of Science and Arts, Department of Biology, 06580 Van - TURKEY

Received: 30.06.2004

Accepted: 24.05.2005

Abstract: This paper describes a floristic study of Bitlis river basin. The research was carried out from 2001 and 2003 to 2150 vascular plant specimens were collected. After the identification of the specimens, the flora was determined to include 925 taxa (at specific and infraspecific ranks) belonging to 770 species, 386 genera and 85 families. One hundred and seventy-nine taxa were defined as new records for the B9 square. The endemism rate of the area is 6.8% based on 63 taxa. The largest families are *Asteraceae* (109 taxa), *Fabaceae* (101 taxa) and *Poaceae* (77 taxa). The largest genera are *Trifolium* L. (27), *Astragalus* L. (22) and *Silene* L. (18). The phytogeographic elements are represented in the study area as follows: Irano-Turanian 292 (31.8%), Mediterranean 81 (8.7%) and Euro-Siberian 46 (4.9%). When the flora of the area is analysed by Raunkiaer's life form system, the results are as follows: hemicryptophytes 345 (37.3%), therophytes 308 (33.3%), chamaephytes 103 (11.1%), cryptophytes 101 (10.9%) and phanerophytes 68 (7.35%). The descriptions of 29 species in our study were different in terms of some characteristics from the descriptions in the Flora of Turkey and in some cases from the flora of neighbouring countries.

Key Words: Flora, Bitlis, Turkey

Bitlis Çayı Vadisi Florası

Özet: Bitlis Çayı Havzasının Florası bu çalışmada sunulmuştur. 2001-2003 yılları arasında gerçekleştirilen bu araştırma esnasında 2150 vasküler bitki örneği toplandı. toplanan örneklerin teşhisi sonucu 770 tür, 386 cins ve 85 familyaya ait toplam 925 takson belirlendi. 179 taksonun B9 karesi için yeni kayıt olduğu ortaya kondu. Alandan 63 endemik taksonun (% 6.8) yayılışı kaydedildi. En büyük üç familya; *Asteraceae* (109 takson), *Fabaceae* (101 takson) ve *Poaceae* (77 takson)'dir. En büyük cinsler; *Trifolium* L. (27), *Astragalus* L. (22) ve *Silene* L. (18)'dir. Araştırma alanında fitocoğrafik elementlerin dağılımı şöyledir; İran - Turan elementi 292 (% 31.8), Akdeniz elementi 81 (% 8.7), Avrupa-Sibirya elementi 46 (% 4.9). Raunkiaer hayat formu kriterine göre florayı oluşturan bitkilerin hayat formu dağılımı şöyledir; hemikriptofit 345 (% 39.2), terofit 308 (% 30.9), kamefit 103 (% 11.1), kriptomfit 101 (% 10.9), ve fanerofit 68 (% 7.35). Verilen türlerin 29'unda, Türkiye florası ve komşu ülke florasında verilen betimlerden farklı, bazı özellikler kaydedildi.

Anahtar Sözcükler: Flora, Bitlis, Türkiye

Introduction

The study area is between Bitlis and Baykan (Siirt) in the SE part of East Anatolia, situated in the Irano-Turanian phytogeographic region. The area is located in B9 square according to the grid system adopted in the Flora of Turkey (Davis 1965-1985).

The research area is bordered in the north-east by Rahva plain, in the west by the Meydan Mountains, in the east by the Şatak Mountains and in the south-west by Baykan province (Figure 1). Bitlis river is the main river in the study area. Other important rivers in the basin are the Kümüs, Hersan and Mutki, which drain into Bitlis river. The mountain chains extending on both sides of Bitlis river are the eastern part of the Taurus mountain

range and are named the Bitlis massif in the geological literature. The other important altitudes in the basin are the Kalem (2418 m), Kambos (2370 m), Şeyhhabib (2385 m) and Nabat (2363 m) mountains and the Berge (1574 m) and Şihzerayık (1511 m) hills. The altitude of the area is between 800 m at Baykan and 2658 m at the Şikirin hill summit.

The mountains are among the old metamorphic massif of Turkey. The Bitlis massif, extending in a NW-SE direction, is composed of metamorphic schistes. The Paleozoic Bitlis massif was created by the Caledonian and heronian orogenesis (Atalay, 1983). The east partern of the study area was covered by lava, which erupted from Nemrut volcano.

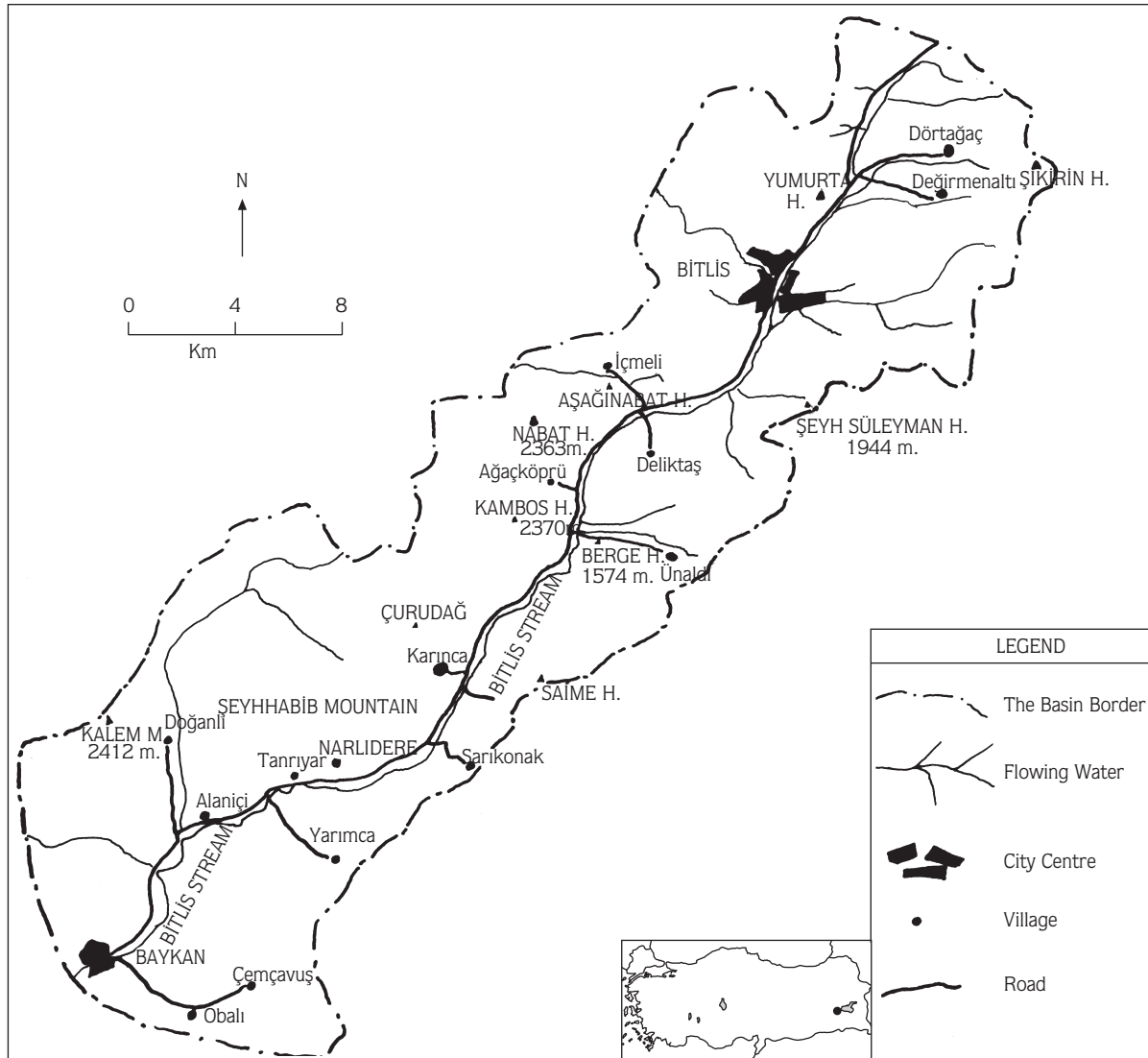


Figure 1. Geographic map of the study area.

The large soil group in the study area is limeless brown soils. The undulating and partly flat lands of Bitlis Mountain have limeless brown forest soil, which developed under the oak communities. Most of the high mountain area has lithosol. Rahva plain is covered by volcanic regosols. Colluvial and alluvial soils are also present locally in the riverside and small plains.

The climate of the research area was examined using data from the meteorology stations in Bitlis and Baykan (DM?GM, 1994). Due to the differences in topography the climate is not the same all over the study area. The climate indicates transition region characteristics in the

study area (between the continental climate of East Anatolia and warm Mediterranean climate).

Based on data obtained according to the precipitation-temperature quotient of Emberger (1955), the area bioclimatically has a humid, very cold (Bitlis) and cold (Baykan) type of Mediterranean climate (Table 1).

The natural vegetation formation of the area is oak-juniper forest (*Quercus infectoria* Olivier subsp. *boissieri* (Reut.) O.Schwarz is dominant taxon in this vegetation at altitudes of 1300-2200 m. *Q. libani* Olivier accompanies *Q. infectoria* in some places. *Juniperus oxycedrus* L. subsp. *oxycedrus* is a subdominant species widely

Table 1. Climatic data from the meteorological stations.

Station	h	P	M	m	Q	PE	PE/M	Precip. regime	Bioclimate
Bitlis	1573	1238.1	22.8	-6.5	150.29	32.9	1.44	A.Sp.W.Sm	Humid very cold
Baykan	1050	991.9	30.6	-1.0	109.06	6.6	0.54	W.Sp.A.Sm	Humid cold

h- altitude in m; P-mean annual precipitation in mm; M-mean temperature (°C) for the hottest month; m- mean temperature (°C) for the coldest month; Q-Emberger's pluviometric quotient: $2000 P/M^2-m^2$; PE-Summer rainfall; PE/M-Emberger's index of xericity; A- Autumn; Sp-Spring; W-Winter; Sm-Summer.

distributed in the area. *Q. brantii* Olivier is spread on the southern slopes of the area at 1000-1500 m altitudes). However some parts of the forest have been destroyed and degenerated in various ways. Hence the anthropogenic steppes are widespread on the mountain area where natural forests are destroyed.

The steppe formation is dominant in the area where shrubs are destroyed and which has become bare (almost without trees). Most of the plant cover is xerophilous grassland; here chamaephytes and caespitose hemicryptophytes (usually members of *Lamiaceae*, *Fabaceae*, *Plumbaginaceae* and *Poaceae*) are dominant.

Hydrophytic vegetation is found on streamside areas such as Bitlis: İcmeli, Hersan, Ağaçköprü and Narlıdere streams in the study area. *Agrimonia eupatoria* L., *Barbarea minor* K.Koch var. *minor*, *B. minor* K.Koch var. *robusta* Cullen & Coode, *B. vulgaris* R.Br., *Calamagrostis parsana* (Bur.) Dogan, *Capsella bursa-pastoris* (L.) Medik., *Cardamine tenera* C.C.Gmel., *Chenopodium album* L. subsp. *album* var. *album*, *Epilobium hirsutum* L., *E. roseum* Schreb. subsp. *subsessile* (Boiss.) P.H.Raven, *Erophila verna* (L.) Chevall. subsp. *verna*, *Filipendula ulmaria* (L.) Maxim., *Hypericum perforatum* L., *Lathyrus pratensis* L., *Lotus corniculatus* L. var. *tenuifolius* L., *Lytrum salicaria* L., *Nasturtium officinale* R.Br., *Phragmites australis* (Cav.) Trin. ex. Steud., *Poa pratensis* L., *Potentilla reptans* L., *Ranunculus sprunerianus* Boiss., *R. trichophyllus* Chaix, *Rubus caesius* L., *R. idaeus* L., *R. sanctus* Schreb., *Stelleria media*, *Tamarix smyrnensis* Bunge, *Trifolium arvense* L. var. *arvense*, *T. hybridum* L. var. *hybridum*, *T. pratense* L. var. *americanum* Harz, *T. repens* L. var. *repens*, *T. stellatum* L. var. *stellatum*, *Veronica anagallis-aquatica* L. are commonly found in this formation.

Arabis caucasica Willd. subsp. *caucasica*, *A. caucasica* subsp. *brevifolia* (DC.) Cullen, *Rosularia sempervivum* (M.Bieb.) A.Berger subsp. *persica* (Boiss.) Eggli, *R.*

sempervivum (M.Bieb.) A.Berger subsp. *kurdica* Eggli, *Scrophularia cinerascens* Boiss., *Sedum album* L., *Stachys lavandulifolia* Vahl. var. *lavandulifolia* are commonly found in the rocky parts of the research area.

Materials and Methods

The materials of the study are 2150 vascular plant specimens collected from 2001 to 2003. These specimens were identified using the Flora of Turkey (Davis, 1965-1985; Davis et al., 1988; Güner et al., 2000), the other floras (Rechinger et al., 1965-1977; Townsend & Evan, 1966-1985; Zohary, 1966-1986; Tutin et al., 1964-1981; Komarov & Shishkin, 1933-1964) and some revisions (Aytaç, 1997; Dönmez & Yıldırım, 2000; Ekici & Ekim, 2004).

The order of plant taxa follows that of the Flora of Turkey (Davis, 1965-1988). The floristic list is given as an appendix. The list first gives the localities of the taxa (the area lies entirely within the B9 square, which is omitted from the citation), followed by habitats, altitudes, collection dates, collectors' names, numbers, their phytogeographical regions and endemism. The authors of the plant names were checked (Brummitt & Powell, 1992). The floristic list includes cultivated plants in the area too. Cultivated plants are indicated by an asterisk (*). The symbol (▲) in front of a plant name indicates a new record for the B9 square. All the specimens are kept at the VANF. The abbreviations used in the text and the floristic list are as follows: E: East; END.: Endemic; E. Medit.: East Mediterranean; Medit: Mediterranean; Euro-Sib.: Euro-Siberian; Eux.: Euxin; H. Eux.: Hyrcano-Euxin; Ir.-Tur.: Irano-Turanian; T.: Therophyte, Hk.: Hemicryptophyte, Kr.: Cryptophyte, Ka.: Chamaephyte, Fa.: Phanarophyte N: North; S: South; W: West; AA: Abdullah ALTIÖK; Behçet: Lütfi BEHÇET; VANF: Yüzüncü Yıl University Department of Biology Herbarium in Van.

Discussion

At the end of the study, of the 2150 vascular plant specimens collected from the area, 772 species (925 taxa) and 386 genera belonging to 85 families were established. Four species are non-flowering vascular plants. Two species belong to *Gymnospermae*, while the other 920 taxa were *Angiospermae*. Seven hundred and seventy-one taxa of *Angiospermae* are included in *Dicotyledones* and 149 taxa are included in *Monocotyledones*.

The distribution of the taxa area into the large taxonomical groups in the study is shown in Table 2.

The species of the study area, categorised according to phytogeographic region, can be listed as follows: Irano-Turanian elements 293 (31.8%), Mediterranean elements 81 (8.7%) and Euro-Siberian elements 46 (5 H.Eux., 3 Eux.) (4.9%). The remaining 506 (54.6%) taxa are multi-regional or of unknown phytogeographic origin.

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

	Number of Families	Number of Genera	Number of Taxa
<i>Pteridophyta</i>	3	3	4
<i>Spermatophyta</i>	82	383	912
<i>Gymnospermae</i>	2	2	2
<i>Dicotyledones</i>	71	313	771
<i>Monocotyledones</i>	9	68	149
Total	85	386	926

The Irano-Turanian elements in the area are more common than other phytogeographic region elements, because the area located in the Irano-Turanian phytogeographic region. The presence of Mediterranean elements in the research area in second place shows that the moderate Mediterranean climate has an important effect on the area. The low number of Mediterranean elements determined previous floristic studies (Table 3)

Table 3. The comparison of the distribution of phytogeographical elements and endemism ratio (%) in the study area and neighbouring regions (abbreviation are below the table).

The studies	Irano-Turanian	Euro-Siberian	Mediterranean	Multi-regional or unknown phytogeographic region	Endemism ratio
Bitlis Str.	31.8	4.8	8.7	54.6	6.8
Hizan	34.9	6.2	4.7	54.2	7.9
Süphan	37	8.7	2	52.3	8.5
Kurubaş	44	7	1	47	7
Toprakkale	44	4.4	4.8	46.8	4
Çakmak	33.9	20	2.6	37.2	6.5
Terc.Bağır.	25	10.7	4.4	59.9	6.5
Munzur	45.7	8	4.4	41.9	19.9
Çiçek	12.6	29.6	1	56.8	3
Allahuekber	37	41.3	1.6	20.1	4.6
İğdir	44.4	7.7	3.5	44.4	1.4

Abbreviations:

- Bitlis st: The flora of Bitlis Stream Basin
- Hizan: Hizan (Bitlis) Florası (Altan & Behçet, 1995)
- Süphan: Süphan Dağı (Bitlis) Florası (Behçet, 1989)
- Kurubaş: Kurubaş Geçidi (Van) Florası (Öztürk & Behçet 1998)
- Toprakkale: Toprakkale (Van) Florası (Öğün & Altan, 1992)
- Çakmak: Çakmak Dağları (Ağrı) Florası (Gümüş, 1992)
- Terc.-Bağır.: Tercan Çevresi ve Şengül (Erzincan) ve Bağır Baba (Tunceli) Dağlarının Florası (Kaya, 1996)
- Munzur: Munzur Dağları (Erzincan-Tunceli) Florası (Yıldırım, 1995)
- Çiçek: Çiçek Dağı (Posof-Kars) Florası (Demirkuş, 1994)
- Allahuekber: Allahuekber Dağları (Erzurum) Florasına Katkılar (Tatlı, 1989)
- İğdir: İğdir Ovası (İğdir) Florasına Katkılar (Tatlı & Altan, 1987)

in East Anatolia compared to our area shows the existence of this effect.

This is due to the fact that this region is located in the transition zone between East Anatolia and South Anatolia.

The life forms (according to classification by Raunkiaer (1934) based on the location of overwintering, perennating parts) are represented in the area as follows: hemicryptophytes 345 (37.3%), therophytes 308 (33.3%), chamaephytes 103 (11.1%), cryptophytes (also called geophytes) 101 (10.9%), phanerophytes 68 (7.35%). According to Raunkiaer (Akman & Ketenoğlu, 1992) the biological spectrum is an indicator of climate and the total flora of Mediterranean countries contain 30% hemicryptophytes and 40% therophytes, whereas other countries (far from the Mediterranean) contain 50% hemicryptophytes, 30% cryptophytes and 20% therophytes. According to the data of life forms, the influence of the Mediterranean climate is important in the area.

The largest families based on their species number in the area are *Asteraceae* (109 spp.), *Fabaceae* (101 spp.) *Poaceae* (77 spp.), *Lamiaceae* (65 spp.) and *Brassicaceae* (53 spp.). In comparison with the Flora of Turkey (Davis et al., 1988), the order of the families is approximately the same as that in this study. The 10 largest families according to number of species are shown in Table 4.

The richest genera are *Trifolium* L. (27), *Astragalus* L. (22) and *Silene* L. (18). The Mediterranean region is the main centre of distribution of the *Trifolium* (Zohary,

Table 4. Species totals of largest families found in the area.

Families	Genera	Species
<i>Asteraceae</i>	56	109 (11.7%)
<i>Fabaceae</i>	20	101 (10.9%)
<i>Poaceae</i>	40	77 (8.3%)
<i>Lamiaceae</i>	21	65 (7.0%)
<i>Brassicaceae</i>	28	53 (5.7%)
<i>Rosaceae</i>	17	44 (4.8%)
<i>Caryophyllaceae</i>	16	40 (4.3%)
<i>Scrophulariaceae</i>	8	35 (3.8%)
<i>Liliaceae</i>	11	34 (3.7%)
<i>Apiaceae</i>	19	32 (3.5%)
Other Families	150	316 (36.1%)

1987). Furthermore, the high number of *Trifolium* found in our study area indicates that this area is under the influence of the Mediterranean climate. Following *Trifolium*, the genus *Astragalus* is represented by 22 taxa. The reason that *Astragalus* is second is that it is the largest genus of flowering plants. It has a total of c. 2500 species in the world (Ekici & Ekim, 2004). This genus is also relatively widespread in Turkey. *Silene* is also relatively widespread throughout Turkey. The genera with the largest number of species in the research area are shown in Table 5.

Table 5. Species totals of the largest genera in the study area.

Genus	Number of Species
<i>Trifolium</i>	27 (2.9%)
<i>Astragalus</i>	22 (2.4%)
<i>Silene</i>	18 (1.9%)
<i>Veronica</i>	16 (1.7%)
<i>Ranunculus</i>	14 (1.5%)
<i>Allium</i>	11 (1.2%)
<i>Centaurea</i>	11 (1.2%)
<i>Vicia</i>	11 (1.2%)
<i>Bromus</i>	10 (1.1%)
<i>Salvia</i>	10 (1.1%)

The number of endemic taxa in the study area is 63 and the endemism rate is 6.8%. The proportion of endemism in the area is low (6.8%), below the average of Turkey (33.5%) (Ekim, 1990).

Some morphological characters different from those given in the flora of Turkey (Davis, 1965-1985) were observed in some specimens. These properties are given in Table 6.

Acknowledgements

We would like to thank M.G. Pimenov (Moscow State University, Russia), Kit Tan (University of Copenhagen, Denmark), I.C. Hedge (Edinburgh, UK), F. Sales (Coimbra, Portugal), M. Koyuncu (Yüzüncü Yıl University-Van) and M. Vural (Gazi University, Ankara) for identifying some of the samples.

Table 6. Some of the taxa in the Bitlis River Basin have taxonomic properties different from those in the Flora of Turkey.

Taxa	Flora of Turkey	Bitlis River Basin
<i>Aethionema froedini</i> Rech.f. AA 1841	Plant much branched Petal (length) 4-6 mm	Plant sometimes simple (not branched) Petal (length) 2.5-3 mm
<i>Apium nodiflorum</i> (L.) Lag. Behçet 6761	Bract (length) 4-14 mm Bracteole (length) 2.5-6 mm	Bract (length) 10-25 mm Bracteole (length) 5-15 mm
<i>Aristolochia bottae</i> Jaub & Spach AA 2268	Ovarium tomentose hairy	Ovarium glabrous
<i>Arrhenatherum palaestinum</i> Boiss. Behçet 6838	Lower lemma glabrous	Lower lemma pilose at base and on margin
<i>Astragalus altanii</i> Hub.-Mor. AA2466	Stipule (length) to 2 cm Pedicel to 5 mm Standard (length) to 20-25 mm	Stipule to 3 cm Pedicel to 10 mm Standard (length) to 27 mm
<i>A. cinereus</i> Willd. AA 2395	Leaflet (length) 8-12 mm	Leaflet (length) to 25 mm
<i>A. fabaceus</i> M.Bieb. AA 2131	Leaflets 5-10 pairs Stipule (length) 20 mm Bract (length) 7-10 mm Calyx teeth (length) 3 mm Standard (length) 22-25 mm	Leaflets sometimes 3-4 pairs Stipules (length) to 27 mm Bract (length) to 18 mm Calyx teeth (length) to 5 mm Standard (length) to 30 mm
<i>A. gevashensis</i> Chamb. et Mathews AA 1765	Bract linear	Bract ovate-ovate lanceolate
<i>A. lycius</i> Boiss. AA 2182	Plant 20-35 cm	Plant to 60 cm
<i>Atraphaxis billardieri</i> Jaub. & Spach var. <i>billardieri</i> AA 2602	Stamen number 8	Stamen number 6
<i>Bromus sterilis</i> L. AA 2516	Anther (length) 1 mm Spikelet (length) 20-30(-36) mm	Anther (length) 1.2-1.3 mm Spikelet (length) to 40 mm
<i>Dianthus libanotis</i> Labill. AA 1637	Leaves 4-8 mm broad Calyx (length) 36-39 mm	Also there are leaves 16 mm broad Calyx (length) to 43 mm
<i>Eremopoa songarica</i> (Schrenk) Roskov AA 1077	Leaves 10-70 x 0.4-2 mm Anther (length) 0.3-0.7(-0.9)mm	Leaves to 150 x 6 mm Anther (length) to 1.3 mm
<i>Inula salicina</i> L. AA 2876	Plant 20-60 cm Leaves (length) 2.5-6 cm	Plant to 125 cm Leaves (length) to 10 cm
<i>Lathyrus setifolius</i> L. Behçet 6852	Peduncle without arista	Peduncle with 0.3-0.5 mm arista
<i>Linaria confertiflora</i> Benth. AA 2758	Leaves (length) 15-35 mm	Leaves (length) to 70 mm
<i>Onobrychis caput-galli</i> (L.) Lam. AA 2166	Ovarium glabrous	Ovarium pilose
<i>Onobrychis kotschyana</i> Fenzl AA 2676	Plant 20-45 cm Leaflets 8-12 x 2-3 mm	Plant to 60 cm Leaflets 10-20 x 0.5-1.5mm
<i>Pennisetum orientale</i> Rich. AA 2350	Stem (culm) glabrous	Stem hairy
<i>Phagnolan kotschyi</i> Sch.Bip. ex. Boiss. AA 1764	Stems and leaves white tomentose	Stems glabrous above, sparsely glandular lower parts, leaves glabrous
<i>Phleum pratense</i> L. AA 1640	Panicl (length)1-6.2(-11) cm	Panicle (length) to 19.5 cm
<i>Pisum sativum</i> L. subsp. <i>elatius</i> (M.Bieb.) Aschers & Graebn. AA 2168	Stem 60-200 cm	Stem 15-20 cm
<i>Prunella vulgaris</i> L. AA 2658	Plant 6-40 cm	Plant to 65 cm

Table 6. (Continued).

<i>Rostraria berythea</i> (Boiss. & Black) Holub AA 2372	Palea longer than lemma	Palea shorter than lemma
<i>Stelleria media</i> (L.)Vill. subsp. <i>media</i> AA186	Stems rooting at the nodes	Stems not rooting at the nodes
<i>Trifolium ambiguum</i> M.Bieb. AA 2631	Leaves (length) 3,5 cm	Leaves (length) to 5 cm
<i>T. speciosum</i> Willd AA 2163	Calyces glabrous	Calyces hairy
<i>T. subterraneum</i> L.AA 2051	Calyces of sterile flowers with linear teeth	Calyces of sterile flowers not divided into linear teeth
<i>Verbascum bornmuellerianum</i> Hub.-Mor. AA 3013	Bracts shorter than calyces	Bracts longer than calyces

References

- Akman Y & Ketenoğlu O (1992). *Vejetasyon Ekolojisi ve Araştırma Metodları*. Ankara : A Ü Fen Fak Yayın No: 146.
- Altan Y & Behçet L (1995). Hizan (Bitlis) Florası. *Turk J of Botany* 19(3): 331-344.
- Atalay İ (1983). *Muş Ovası ve Çevresinin Jeomorfolojisi ve Toprak Coğrafyası*. İzmir: Ege Üniv Edeb Fak Yayınları No: 24.
- Aytaç, Z (1997) The revision of the section *Dasyphyllium* Bunge of the genus *Astragalus* L. of Turkey. *Tr J of Botany* 21: 31-57.
- Behçet L (1989). Süphan Dağı (Bitlis) Florası. *YY Üniv Fen Bil Enst D* 1(1): 29-38.
- Brummitt RK & Powell CE (eds) (1992). *Authors of Plant Names*. Kew: Royal Botanic Gardens.
- Davis PH (1965-1985). *Flora of Turkey and the East Aegean Islands* vol. 1-9. Edinburgh: Edinburgh University Press.
- Davis PH, Mill RR & Tan K. (eds) (1988). *Flora of Turkey and the East Aegean Islands* vol. 10. Edinburgh: Edinburgh University Press.
- Demirkuş N (1994). Çiçek Dağı ve Çevresinin (Posof-Kars) Florası Üzerine Bir Araştırma. *Hacettepe Üniv Fen ve Müh Bil Der* 15: 1-47.
- DMIGM (1984). *Ortalama Ekstrem ve Yağış ve Yağış Değerleri Bülteni*. Ankara: Devlet Meteoroloji İşleri Gn. Müd. Yayını.
- Dönmez AA, Yıldırım Ş (1999). *Cerasus brachypetala* Boiss. var. *brachypetala* (Rosaceae) a new variety for the flora of Turkey. *Ot Sistemik Botanik Dergisi*. 6 (1): 13-16.
- Dönmez AA, Yıldırım Ş (2000). Taxonomy of the Genus *Prunus* L. (Rosaceae) in Turkey. *Tr J of Botany* 24: 187-2002.
- Ekici M & Ekim T (2004). Revision of the section *Hololeuce* Bunge of the Genus *Astragalus* L. (Leguminosae) in Turkey. *Tr J of Botany* 28: 307-347.
- Ekim T (1990). Bitkiler, in: Kence A, (ed.) *Türkiye'nin Biyolojik Zenginlikleri*. Ankara: Türkiye Çevre Sorunları Vakfı Yayını, 69-118.
- Emberger L (1955). Une Classification biogeographiques des climats. *Recueil des travaux des laboratoires de botanique, geologie et zoologie de la Faculté des sciences de l'université de Montpellier. Serie botanique* 7: 3-43.
- Gümüş İ (1992). Çakmak Dağları (B9 Ağrı) Florasına Giriş. *Doğa Tr J of Botany* 16(1): 54-70.
- Güner A, Özhatay N, Ekim T & Başer KHC (eds) (2000). *Flora of Turkey and the East Aegean Islands*. vol. 11. Edinburgh: Edinburgh University Press.
- Kaya Y (1996). Tercan Çevresi ile Şengül (Erzincan) ve Bağırbaşa (Tunceli) Dağlarının Florası. *Tr J of Botany* 20(1): 75-98.
- Komarov VL & Shishkin BK (eds) (1933-1964). *Flora of USSR* (English translation) vols. 1-30. Moscow and Leningrad: Akademiya Nauk SSSR.
- Öztürk F & Behçet L (1998). Kurubaş Geçidi (Van) Florası. *Ot Sistemik Botanik Dergisi* 6(1): 39-56
- Öğün E & Altan Y (1992). Toprakkale (Van) Florası. *Yüzüncü Yıl Üniv Fen Bil Enst D* 1(2): 201-211.
- Raunkiaer C (1934). *The life forms of plants and statistical plant geography*. Oxford: Clarendon Press.
- Rechinger KH (ed) (1965-1977). *Flora Iranica*. Graz-Austria: Akademische Druck-Verlagsanstalt.
- Tatlı A (1989). Allahuekber Dağları (Erzurum) Florasına Katkıları. *Doğa Tr J of Botany* 13(3): 355-374
- Tatlı A & Altan Y (1987). Iğdır Ovası Florasına Katkıları. *Doğa Tr J of Botany* 13(1): 102-108.
- Townsend CC & Evan G (eds) (1966-1985). *Flora of Iraq*. Vols. 2,3,4,8,9. Baghdad: Ministry of Agriculture, Republic of Iraq.
- Tutin TG, Heywood VH, Burges NA, Valentine DH, Walters SM & Webb DA (eds) (1964-1981). *Flora Europaea*. Vols. 1-5 Cambridge: Cambridge Univ Press.
- Yıldırım Ş (1995). Munzur Dağları (Erzincan-Tunceli) Florası. *Ot Sistemik Botanik Dergisi* 2(1): 1-78.
- Zohary M (1966-1986). *Flora Palaestina*. Vols. 1-4 Jerusalem: Academic Press.

APPENDIX

THE FLORISTIC LIST

PTERIDOPHYTA

EQUISETACEAE

Equisetum ramosissimum Desf.

Bitlis: Tatlıkaynak village, stream bank, 1550 m, 09.06.2002, AA 2494, Hk.

E. arvense L.

Bitlis: Şeyhhabib Mountain, humid places, 1500 m, 25.07.2002, AA 2722 Kr.

ASPLENIACEAE

Ceterach officinarum DC.

Bitlis: Doğanlı village, Kalem Mountain, humid rocky places, 1900 m, 06.06.2003, AA 3015, Hk.

ATHYRIACEAE

Cystopteris fragilis (L.) Bernh.

Bitlis: Doğanlı village, Kalem Mountain, humid rocky places, 1900 m, 06.06.2003, AA 3016, Hk.

SPERMATOPHYTA

GYMNOSPERMAE

PINACEAE

Pinus sylvestris L.

Siirt: Baykan surrounding, forest, 815 m, 07.06.2003, AA 3018, Fa.

CUPRESSACEAE

Juniperus oxycedrus L. subsp. *oxycedrus*

Bitlis: Ağačköprü village surrounding, brushwood, 1450 m, 04.07.2001, AA 1417. Siirt: Baykan, Obalı village surrounding, forest, 810 m, 30.03.2002, AA 1878, Fa.

ANGIOSPERMAE

DICOTYLEDONES

RANUNCULACEAE

Nigella orientalis L.

Bitlis: Kalem Mountain, Doğanlı village, 1800 m, open degraded forest, 06.06.2003, Behçet 6752, Hk

Delphinium dolichostachyum Chowdhuri & P.H.Davis

Bitlis: Savaştepe hill, rocky places, 2200 m, 13.08.2002, AA 2779. Bitlis: western slopes of Kambos hill, steppe, 1600 m, 05.07.2001, AA 1440, END., Ir.-Tur., Kr.

D. kurdicum Boiss. & Hohen.

Bitlis: W of Kambos hill, steppe, 1600 m, 01.08.2001, AA 1730, Ir.-Tur., Kr.

D. macrostachyum Boiss. ex Huth.

Bitlis: Kayalı hill, steppe, 1600 m, 24.07.2001, AA 1679, Ir.-Tur., Kr.

D. peregrinum L.

Bitlis: Narlıdere village surrounding, steppe, 1050 m, 16.07.2001, AA 1798, Med., T.

Consolida oliveriana (DC.) Schröd.

Bitlis: in the castle, steppe, 1580 m, 22.07.2001, AA 1654, Ir.-Tur., T.

Anemone coronaria L.

Siirt: Baykan town surrounding, forest, 820 m, 07.04.2002, AA 1899, Med., Kr.

Adonis aestivalis L. subsp. *parviflora* (Fisch. ex DC.) E.A.Busch

Siirt: Baykan Obalı village, Çemçavuş district, open forest, 850 m, 07.05.2002, AA 2176, T.

Ranunculus poluninii P.H.Davis

Bitlis: Şeyhhabib Mountain, steppe, 2000 m, 09.09.2002, AA 2875, Ir.-Tur., Kr.

R. repens L.

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, steppe, 06.06.2003, AA 2986, Kr.

R. sprunerianus Boiss.

Bitlis: Sarıkonak village, degraded forest, 1550 m, 17.05.2002, AA 2246; around local health service building, meadow, 1630 m, 09.04.2001, AA 1032, Med., Kr.

R. illyricus L. subsp. *illyricus*

Bitlis: MYO surrounding, steppe, 1700 m, 03.06.2002, AA 2447, Kr.

R. cadmicus Boiss.

Bitlis: İçmeli village, rocky crevices, 1500 m, 04.05.2003, AA 2930; Tatlıkaynak village surrounding, humid places, 1550 m, 18.05.2002, AA 2282, Kr.

R. asiaticus L.

Bitlis: Tanrıyar village, open forest, 1000 m, 22.04.2002, AA 2013; Siirt: Baykan town surrounding, open forest, 820 m, 08.05.2002, AA 2214, Ir.-Tur., Kr.

R. macrorhynchus Boiss. subsp. *trigonocarpus* (Boiss.) P.H.Davis

Bitlis: Deliktaş district, open forest, 1450 m, 18.05.2002, AA 2279, Ir.-Tur., Kr.

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

Siirt: Baykan town surrounding, open forest, 820 m, 07.04.2002, AA 1900, Kr.

R. isthmicus Boiss. subsp. *stepporum* P.H.Davis

Bitlis: around Yenice Karakol, open forest, 900 m, 15.04.2002, AA 1970, Ir.-Tur., Kr.

R. cornutus DC.

Siirt: Baykan town surrounding, open forest, 820 m, 07.05.2002, AA 2151, Hk.

R. chius DC.

Bitlis: Kalem Mountain, Doğanlı village, 1800 m, open forest, 06.06.2003, AA 2987, T.

R. arvensis L.

Bitlis: Çayırköy district, steppe, 1550 m, 30.05.2001, AA 1206, around Yenice Karakol, humid places, 900 m, 09.06.2002, AA 2499, T.

R. kochii Ledeb.

Bitlis: around local health service building, brushwood, 1630 m, 09.04.2001, AA 1029, Ir.-Tur., Kr.

R. trichophyllus Chaix

Bitlis: Şeyhhabib Mountain, in the water, 2000 m, 09.03.2002, AA 2852, Kr.

Ceratocephalus falcatus (L.) Pers.

Bitlis: Deliktaş district, open forest, 1450 m, 30.04.2002, AA 2120, T.

Aquilegia olympica Boiss.

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, AA 2988, T.

Thalictrum minus L. var. *majus* (Crantz) Crép.

Bitlis: around local government building, steppe, 1670 m, 02.07.2002, AA 2682, Hk.

PAEONIACEAE

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

Bitlis: Döşkaya village, humid places, 1500 m, 18.06.2002, AA 2562, Hk.

P. mascula (L.) Mill. subsp. *arietina* (Anders.) Cullen & Heywood

Bitlis: Yamaköy surrounding, brushwood, 1510 m, 20.04.2001, AA 1106, Hk.

BERBERIDACEAE

Leontice leontopetalum L. subsp. *ewersmannii* (Bunge) Coode

Siirt: Baykan, Obalı village surrounding, rocky places, 850 m, 07.05.2002, AA 2141, Kr.

PAPAVERACEAE

Papaver orientale L. var. *orientale*

Bitlis: Döşkaya village surrounding, steppe, 1200 m, 01.07.2002, AA 2633, Hk.

P. fugax Poir. var. *fugax*

Bitlis: Kambos Mountain, steppe, 1850 m, 17.06.2002, AA 2518, Hk.

P. cylindricum Cullen

Bitlis: Kambos Mountain, steppe, 1880 m, 05.07.2001, AA 1528, Ir.-Tur., Hk.

P. glaucum Boiss. & Hausskn.

Siirt: Baykan town surrounding, steppe, 800 m, 08.05.2002, AA 2196, Ir.-Tur., T.

P. macrostomum Boiss. & É.Huet ex Boiss.

Bitlis: Deliklitaş village surrounding, steppe, 1435 m, 03.07.2001, AA 1281.
Bitlis: Kambos Mountain hill, steppe, 1880 m, 05.07.2001, AA 1518, Ir.-Tur., T.

P. syriacum Boiss. & Blanche

Siirt: Baykan town surrounding, steppe, 850 m, 08.05.2002, AA 2215, T.

P. dubium L.

Bitlis: Alaniçi village surrounding, meadow, 950 m, 14.04.2002, AA 1924, T.

P. clavatum Boiss. & Hausskn. ex Boiss.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6800, END., T.

Hypocoum imperbe Sibth. et Sm.

Siirt: Baykan, Obalı village, Çemçavuş district, steppe, 850 m, 16.03.2002, AA 1846, T.

Corydalis integræ Barbey & Fors.-Major

Siirt: Yarımca village surrounding, open forest, 1200 m, 14.04.2002, AA 1992.
Bitlis: Şikeri hill, steppe, 1700 m, 04.05.2003, AA 2922, Kr.

C. rutifolia (Sibth. & Sm.) DC. subsp. *kurdica* Cullen & P.H.Davis

Bitlis: Şikeri hill, open forest, 1750 m, 04.05.2003, AA 2928, END., Ir.-Tur., Kr.

C. oppositifolia DC. subsp. *oppositifolia*

Bitlis: Arapköprü village surrounding, steppe, 1540 m, 09.04.2001, AA 1044, END., Kr.

Fumaria cilicica Hausskn.

Bitlis: city center surrounding, steppe, 1615 m, 09.04.2001, AA 1018, T.

F. microcarpa Boiss. ex Hausskn.

Bitlis: Döşkaya village surrounding, steppe, 1500 m, 01.07.2001, AA 2630, T.

F. schleicheri Soy.-Will.

Bitlis: Alaniçi village surrounding, brushwood, 950 m, 15.04.2002, AA 1968, Euro-Sib. elm, T.

F. parviflora Lam.

Bitlis: Karınca village surrounding, brushwood, 1500 m, 17.05.2002, AA 2224, T.

F. asepala Boiss.

Bitlis: Tabakhane district, steppe, 1540 m, 20.04.2001, AA 1095; Deliklitaş village surrounding, steppe, 1437 m, 30.05.2001, AA 1224, Ir.-Tur., T.

BRASSICACEAE (CRUCIFERAE)

Conringia perfoliata (C.A.Mey.) E.A.Busch

Bitlis: Narlıdere village district, brushwood, 1100 m, 22.04.2002, AA 2018b

Lepidium ruderales L.

Bitlis: Deliklitaş district, steppe, 1435 m, 03.07.2001, AA 1326, T.

L. graminifolium L.

Bitlis: Direktaş village surrounding, steppe, 1700 m, 17.06.2002, AA 2553, Hk.

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

Bitlis: around local health service building, steppe, 1625 m, 09.04.2001, AA 1004, Hk.

Isatis bitlisica P.H.Davis

Bitlis: Kambos Mountain, rocky places, 2000 m, 17.06.2002, AA 2526, END., Ir. - Tur., Hk..

I. buschiana Schischk.

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6765, Ir.-Tur., Hk

Sameraria stylophora (Jaub. & Spach) Boiss.

Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003, AA 3002, Ir.-Tur., T.

Aethionema heterocarpum J.Gay

Siirt: Baykan town, Baniçarpıran plain, meadow, 830 m, 07.04.2002, AA 1890; Baykan town surrounding, meadow, 800 m, 08.05.2002, AA 2198, T..

Ae. froedinii Rech.f.

Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1800 m, 06.06.2003, Behçet 6776. END., Ir.-Tur., T.

Ae. speciosum Boiss. & Huet. subsp. *speciosum*

Bitlis: İcmeli village surrounding, rocky places, 1550 m, 09.06.2002, AA 2478, Ir.-Tur., Hk.

Ae. capitatum Boiss. & Ball

Bitlis: Kambos Mountain, steppe, 1700 m, 17.06.2002, AA 2509, END., Hk.

Ae. armenum Boiss.

Bitlis: the place for dumping garbage and its surroundings, steppe, 1535 m, 20.04.2001, AA 1084, Ir.-Tur., Hk.

Ae. grandiflorum Boiss. & Hohen.

Bitlis: Deliklitaş district, steppe, 1435 m, 30.05.2001, AA 1239, Ir.-Tur., Ka.

Thlaspi arvense L.

Siirt: Baykan town surrounding, meadow, 800 m, 16.03.2002, AA 1830, T.

Capsella bursa-pastoris (L.) Medik.

Bitlis: Torek Mountain, humid places, 1700 m, 17.05.2002, AA 2235, T.

Neslia paniculata (L.) Desv.

Bitlis: Alaniçi village surrounding, brushwood, 950 m, 04.05.2003, AA 2941, T.

Fibigia clypeata (L.) Medik.

Bitlis: Alaniçi village surrounding, brushwood, 950 m, 04.05.2003, AA 2939; Kalem Mountain, Doğanlı village surrounding open forest, 1800 m, 06.06.2003, Behçet 6796, Hk.

F. macrocarpa (Boiss.) Boiss.

Bitlis: Alaniçi village surrounding, rocky places, 850 m, 09.06.2002, AA 2467, Hk.

Alyssum desertorum Stapf var. *desertorum*

Siirt: Baykan, Obalı village surrounding, steppe, 820 m, 16.03.2002, AA 1858b, T.

- A. minus** (L.) Rothm. var. *minus*
 Bitlis: Radyoling station surrounding, steppe, 1740 m, 09.04.2001, AA 1013., T.
- A. hirsutum** M.Bieb.
 Siirt: Baykan, Obalı village surrounding, steppe, 820 m, 16.03.2002, AA 1858, T.
- A. ochroleucum** Boiss. & Huet
 Bitlis: limestone quarry surrounding, steppe, 1450 m, 15.05.2001, AA 1165, END., Ka.
- A. filiforme** Nyár
 Bitlis: Tanrıyar village, rocky places-brushwood, 1800 m, 05.08.2002, AA 2741, END., Ir.-Tur., Hk..
- Erophila verna** (L.) Chevall. subsp. *verna*
 Siirt: Baykan, Obalı village, Çemçavuş district, steppe, 820 m, 16.03.2002, AA 1851, T.
- E. verna** (L.) Chevall. subsp. *macrocarpa* (Boiss. & Heldr.) Walters
 Siirt: Baykan town, Baniçarpıran district, meadow, 830 m, 07.04.2002, AA 1893, T.
- Arabis caucasica** Willd. subsp. *caucasica*
 Bitlis: Deliklitaş village surrounding, meadow, 1435 m, 10.04.2001, AA 1002, Hk.
- A. caucasica** Willd. subsp. *brevifolia* (DC.) Cullen
 Bitlis: İçmeli village surrounding, rocky places, 1400 m, 04.05.2003, AA 2931, E. Med. (mt.) ..
- A. montbretiana** Boiss.
 Bitlis: Kalem Mountain, Doğanlı village surrounding, open forest, 1800 m, 06.06.2003, Behçet 6804, Ir.-Tur., T.
- Turritis glabra** L.
 Bitlis: Kambos Mountain, rocky places, 2000 m, 17.06.2002, AA 2541, T.
- Nasturtium officinale** R. Br.
 Bitlis: Zeydan district surrounding, streamsides, 1550 m, 22. 07.2001, AA 1647., Kr.
- Barbarea vulgaris** R.Braga
 Bitlis: Değirmenaltı village, meadow, 1700 m, 03.06.2002, AA 2445, Hk.
- B. minor** K.Koch var. *minor*
 Bitlis: around local health service building, meadow, 1540 m, 22.04.2001, AA 1076, Ir. - Tur., Hk.
- B. minor** K.Koch var. *robusta* Cullen & Coode
 Bitlis: Berge hill, meadow, 1550 m, 30.04.2002, AA 2103, END., Hk.
- Cardamine tenera** C.C.Gmel.
 Bitlis: S of Kambos Mountain, wet places, 1800 m, 17.06.2002, AA 2558; around Köy Hizmetleri building, humid areas, 1650 m, 03.06.2002, AA 2426, H.Eux.?, Hk..
- C. hirsuta** L.
 Bitlis: Torek Mountain, steppe, 1700 m, 17.05.2002, AA 2228, T.
- Drabopsis verna** K.Koch
 Bitlis: around local health service building, meadow, 1630 m, 09.04.2001, AA 1031; Deliklitaş village , steppe 1450 m, 30.04.2002, AA 2122, Ir.-Tur., T.
- Aubrieta parviflora** Boiss.
 Bitlis: Alaniçi village surrounding, rocky places, 1200 m, 04.05.2003, AA 2971, Ir.-Tur., Hk.
- Matthiola longipetala** (Vent.) DC. subsp. *bicornis* (Sibth. & Sm.) P.W.Ball
 Siirt: Baykan, Obalı village surrounding, steppe, 850 m, 07.04.2002, AA 1912, T.
- Hesperis scabrida** Boiss.
 Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003, Behçet 6787, Hk.
- H. pendula** DC.
 Bitlis: Alaniçi village surrounding, open forest, 1000 m, 15.04.2002, AA 2971, Hk.
- Anchonium elichrysfolium** (DC.) Boiss. subsp. *villosum* Cullen & Coode
 Bitlis: Tabanözü district , open forest, 2000 m, 13.08.2002, AA2783, END., Ir. - Tur., Hk.
- Erysimum goniocaulon** Boiss.
 Bitlis: Kalem Mountain, Doğanlı village surrounding, open forest, 1800 m, 06.06.2003, Behçet 6767, Hk.
- E. passgalense** Boiss.
 Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6873, Hk..
- E. uncinatifolium** Boiss.
 Bitlis: place for dumping garbage and its surroundings, 1450 m, 20.04.2001, AA 1080, END., Hk.
- E. crassipes** Fisch. & C.A.Mey.
 Bitlis: around Köy Hizmetleri building, steppe, 1615 m, 15.05.2001, AA 1149, Hk.
- E. eginense** Hausskn. ex Bornm.
 Bitlis: Kambos Mountain, steppe, 2000 m, 17.06.2002, AA 2529; Aşağı Nabat Mountain, steppe, 1750 m, 26.05.2002, AA 2411, END., Hk.
- Alliaria petiolata** (M.Bieb.) Cavara & Grande
 Bitlis: Hersan district, steppe, 1550 m, 29.04 2002, AA 2095; Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003, AA 3003, Ir.-Tur., Hk.
- Parlatoria cakiloidea** Boiss.
 Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003, Behçet 6855, T.
- Sisymbrium officinale** (L.) Scop.
 Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, steppe, 06.06.2003, Behçet 6872, T.
- S. altissimum** L.
 Bitlis: Harabe hill, steppe, 1590 m, 20.04.2001, AA 1061, Ir. - Tur., T.
- S. loeselii** L.
 Bitlis: eastern slopes of Kambos Mountain, steppe, 2000 m, 05.07.2001, AA 1506. Bitlis Castle, steppe, 1550 m, 15.05.2001, AA 1124, T..
- Descurania sophia** (L.) Webb ex Prantl
 Bitlis: aroun the city centre, roadsides, 1550 m, 30.05.2001, AA 1219, T.
- Arabidopsis thaliana** (L.) Heynh.
 Bitlis: Hersan district surrounding, steppe, 1550 m, 29.04 2002, AA 2089, T.

CAPPARACEAE

Cleome ornithopodioides L.

Bitlis: Narlıdere village surrounding, humid places, 1150 m, 16.07.2001, AA 1613, T.

RESEDACEAE

Reseda lutea L. var. *lutea*

Bitlis: Deliklitaş village, steppe, 1437 m, 30.05.2001, AA 1234, Hk..

CISTACEAE

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

Siirt: Baykan town, YİBO surrounding, steppe, 820 m, 07.04.2002, AA 1886, T.

H. ledifolium (L.) Mill. var. **ledifolium**

Bitlis: the place for dumping garbage and its surroundings, meadows, 1450 m, 20.04.2001, AA 1072, T.

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

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6788, T.

H. ledifolium (L.) Mill. var. **microcarpum** Willk.

Bitlis: Arapköprü village surrounding, steppe, 1550 m, 09.04.2001, AA 1041, T.

VIOLACEAE

Viola odorata L.

Bitlis: İcmeli village surrounding, under forest, 1400 m, 04.05.2003, AA 2933, T.

V. modesta Fenzl

Siirt: Baykan town surrounding, meadow, 800 m, 16.03.2002, AA 1828, T.

PORTULACACEAE

Portulaca oleracea L.

Bitlis: İcmeli village surrounding, fields, 1550 m, 24.07.2001, AA 1703, T.

CARYOPHYLLACEAE

Arenaria serpyllifolia L.

Bitlis: Yenice village, humid places, 950 m, 14.04.2002, AA 1999; Delikliş village meadow, 1435 m, 20.04.2001, AA 1071, T.

A. cucubaloides Sm.

Bitlis: Kurudere village, steppe, 1200 m, 01.07.2002, AA 2632, Ir.-Tur., Hk.

A. gypsophilloides L. Mant var. **glabra** Fenzl

Bitlis: Saime hill, steppe, 1800 m, 18.06.2002, AA 2580; Şeyhhabib Mountain, steppe, 1800 m, 25.07.2002, AA 2714, Ir.-Tur., Hk.

Minuartia juniperina (L.) Maire & Petitm.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6849, Ka.

M. hybrida (Vill.) Schischk. subsp. **hybrida**

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6758, T.

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

Bitlis: Yamaköy surrounding, meadows, 1510 m, 20.04.2001, AA 1115. Siirt: Baykan town surrounding, meadows, 800 m, 30.03.2002, AA 1861, Hk.

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

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6756, Hk.

S. persica Boiss.

Bitlis: Bitlis Castle, steppe, 1560 m, 15.05.2001, AA 1139, Hk

S. kotschyana Fenzl

Bitlis: Şeyhhabib Mountain, rocky places-steppe, 1800 m, 05.08.2002, AA 2749, Hk.

S. cilicia Boiss. & Ball

Bitlis: Bitlis Castle, steppe, 1560 m, 15.05.2001, AA 1132, T.

Cerastium dichotomum L. subsp. **dichotomum**

Bitlis: Yamaköy surrounding, meadows, 1510 m, 20.04.2001, AA 1112, T.

C. glomeratum Thuill.

Bitlis: Hersan district surrounding, steppe, 1550 m, 29.04.2002, AA 2095b, T.

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

Bitlis: Yamaköy surrounding, brushwood, 1510 m, 20.04.2001, AA 1105, T.

Holosteum umbellatum L. var. **umbellatum**

Siirt: Baykan town surrounding, meadow, 805 m, 16.03.2002, AA 1830a, T.

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

Bitlis: Tatlıkaynak village, steppe, 1550 m, 18.05.2002, AA 2286, T.

Sagina maritima Don

Bitlis: Değirmenaltı village surrounding, humid places, 1700 m, 22.07.2002, AA 1646, T.

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

Bitlis: Şeyhhabib Mountain, rocky places-brushwood, 1750 m, 05.08.2002, AA 2761, Hk.

Dianthus floribundus Boiss.

Bitlis: Dörtağaç village surrounding, steppe, 1700 m, 02.07.2002, AA 2680, Ir.-Tur., Hk.

D. libanotis Labill.

Bitlis: Zeydan district, steppe, 1560 m, 22.07.2001, AA 1637, Ir.-Tur., Hk.

D. orientalis Adams

Bitlis: E of Kambos Hill, steppe, 1800 m, 05.07.2001, AA 1460, Hk.

D. masmenaeus Boiss. var. **masmenaeus**

Bitlis: Şeyhhabib Mountain, steppe, 1800 m, 05.08.2002, AA 2765. Bitlis: Kambos Hill, steppe, 1500 m, 01.08.2001, AA 1490, Hk.

Petrorhagia alpina (Hablitz) Ball & Heywood subsp. **olympica** (Boiss.) Ball & Heywood

Bitlis: Doğanlı village surrounding, Kalem Mountain, steppe, 1800 m, 06.06.2003, AA 3009, Hk.

Velezia rigida L.

Bitlis: Karınca village surrounding, steppe, 1600 m, 01.07.2002, AA 2652, T.

Saponaria prostrata Willd. subsp. **prostrata**

Siirt: Baykan town surrounding, open forest, 810 m, 07.04.2002, AA 1906, Hk.

Gypsophylla ruscifolia Boiss.

Bitlis: Delikliş village district, steppe, 1435 m, 17.06.2002, AA 2512, Ir.-Tur., Ka.

G. bitlisensis W.F.Barker

Bitlis: Değirmenaltı village surrounding, steppe, 1700 m, 02.07.2002, AA 2672, END., Ir.-Tur., T

Vaccaria pyramidata Medik. var. **pyramidata**

Bitlis: Kilise village, fields, 1650 m, 02.07.2002, AA 2694, T.

Silene italica (L.) Pers.

Bitlis: Karınca village surrounding, steppe, 1600 m, 01.07.2002, AA 2629, Hk.

S. capitellata Boiss.

Bitlis: Yamaköy surrounding, steppe, 1510 m, 20.04.2001, AA 1102 END., Ir.-Tur., Hk.

S. chlorifolia Sm.

Bitlis: A. Nabat hill, steppe, 1950 m, 24.07.2001, AA 1684, Ir.-Tur., Hk.

S. sclerophylla Chowdhuri

Bitlis: Değirmenaltı village surrounding, steppe, 1700 m, 02.07.2002, AA 2776, END. Ir.-Tur., Hk.

- S. cappadocica* Boiss. & Heldr.
Bitlis: Döşkaya village, steppe, 1550 m, 18.06.2002, AA 2613, Ir.-Tur., Hk.
- S. spergulifolia* (Desf.) M.Bieb.
Bitlis: Deliktaş village district, open forest, 1435 m, 30.05.2001, AA 1192, Ir.-Tur., Hk.
- S. ampullata* Boiss.
Bitlis Castle, steppe, 1550 m, 15.05.2001, AA 1145, Ir.-Tur., Ka.
- S. odontopetala* Fenzl
Bitlis: A. Nabat hill, steppe, 1950 m, 24.07.2001, AA 1675, Hk.
- S. vulgaris* (Moench) Garcke var. *vulgaris*
Bitlis: Deliktaş village surrounding, brushwood, 1510 m, 30.05.2001, AA 1175, Hk.
- S. lucida* Chowdhuri
Bitlis: Kambos Mountain, brushwood, 1850 m, 05.07.2001, AA 1437, END., Ir.-Tur., Hk.
- S. caryophylloides* (Poir.) Otth subsp. *caryophyllodes*
Bitlis Castle, steppe, 1550 m, 15.05.2001, AA 1120, Ir.-Tur., Hk.
- S. compacta* Fisch.
Bitlis: Kambos Mountain, rocky places, 2000 m, 17.06.2002, AA 2544, Hk.
- S. alba* (Mill.) Krause subsp. *divaricata* (Reichb.) Walters
Bitlis: Deliktaş village, brushwood, 1435 m, 30.05.2001, AA 1192, Hk.
- S. noctiflora* L.
Bitlis: Deliktaş village surrounding, brushwood, 1510 m, 30.05.2001, AA 1181, Hk.
- S. rigidula* Sibth. & Sm.
Siirt: Baykan town surrounding, open forest, 820 m, 16.03.2002, AA 1857, E. Med., Hk.
- S. aegyptiaca* (L.) L.f. subsp. *ruderalis* Coode & Cullen
Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6771, T.
- S. dichotoma* Ehrh. subsp. *dichotoma*
Bitlis: Kambos hill surrounding, steppe, 1800 m, 05.07.2001, AA 1481, Hk.
- S. conoidea* L.
Bitlis: Tatlıkaynak surrounding, steppe, 1550 m, 18.05.2002, AA 2272, T.
- Cucubalis baccifer* L.
Bitlis: İcmeli village surrounding, streamside, 1550 m, 24.07.2001, AA 1697, Hk.
- ILLECEBRACEAE**
- Herniaria glabra* L.
Siirt: Baykan, Obalı village surrounding, streamside, 850 m, 08.08.2002, AA 2815b, T.
- H. hirsuta* L.
Siirt: Baykan, Obalı village surrounding, streamside, 850 m, 08.08.2002, AA 2815a, T.
- Paronchia kurdica* Boiss. subsp. *montis-munzur* Chaudhuri
Siirt: Baykan town surrounding, steppe, 820 m, 08.05.2002, AA 2184, Ka.
- P. kurdica* Boiss. subsp. *kurdica* var. *kurdica*
Bitlis: Kambos Mountain, steppe, 2000 m, 17.06.2002, AA 2528, Ka.
- POLYGONACEAE**
- Atraphaxis billardieri* Jaub. & Spach var. *billardieri*
Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6824, Ka.
- Rheum ribes* L.
Siirt: Baykan, Çemçavuş district, rocky places, 850 m, 07.05.2002, AA 2170, Ir.-Tur., Hk..
- Polygonum alpinum* All.
Bitlis: around Köy Hizmetleri building, brushwood, 1650 m, 03.06.2002, AA 2424, Euro-Sib., Hk.
- P. salicifolium* Brouss. ex Willd.
Bitlis: Kurudere village surrounding, humid places, 1250 m, 25.08.2001, AA 1810, Hk.
- P. lapathifolium* L.
Bitlis: Şetek village, humid places, 1550 m, 05.10.2001, AA 1776, T.
- P. setosum* J. Jacq.
Bitlis: Tabanözü village surrounding, steppe-rocky places, 2000 m, 13.08.2002, AA 2773, Ir.-Tur., Ka.
- P. cognatum* Meisn.
Bitlis: Değirmenaltı village surrounding, steppe, 1700 m, 03.06.2002, AA 2460, Hk.
- P. mesembrium* Chrtek
Bitlis: Sarıkonak village, sandy areas, 1620 m, 05.10.2001, AA 1778, T.
- P. arenastrum* Bor
Bitlis: Şeyhhabib Mountain, sandy places, 2200 m, 09.09.2002, AA 2889, T.
- P. aviculare* L.
Bitlis: around Köy Hizmetleri building, steppe, 1610 m, 03.06.2001, AA 1254, T.
- Rumex acetosella* L.
Bitlis: Şeyhhabib Mountain, steppe-rocky places, 2200 m, 09.09.2002, AA 2867, Hk.
- R. scutatus* L.
Bitlis: Bitlis Castle, steppe, 1480 m, 15.05.2001, AA 1117, Hk.
- R. tuberosus* L. subsp. *horizontalis* (K.Koch) Rech.
Bitlis: the places for dumping garbage and its surroundings, steppe, 1535 m, 20.04.2001, AA 1089, Kr.
- R. patientia* L.
Bitlis: Deliktaş village, brushwood, 1435 m, 03.07.2001, AA 1324; Kambos hill, brushwood, 1880 m, 05.07.2001, AA 1515, Hk.
- R. angustifolius* Campd. subsp. *macranthus* (Boiss.) Rech.
Bitlis: İcmeli village surrounding, steppe, 1500 m, 09.06.2002, AA 2490, Ir.-Tur., Hk.
- R. pulcher* L.
Bitlis: Şikerin Hill, brushwood, 2300 m, 25.05.2002, AA 2328, Hk.
- CHENOPODIACEAE**
- Chenopodium botrys* L.
Bitlis: Kambos hill, steppe, 1880 m, 05.07.2001, AA 1529; Şeyhhabib Mountain, sandy places, 2000 m, 09.09.2002, AA 2888, T.
- C. album* L. subsp. *album* var. *album*
Bitlis: İcmeli village surrounding, streamside, 1550 m, 24.07.2001, AA 1698, T.
- Noaea mucronata* (Forssk.) Asch. & Schweinf. subsp. *tournefortii* (Spach) Aellen
Bitlis: Kambos Mountain, steppe, 2300 m, 08.08.2001, AA 1755, Ka.

AMARANTHACEAE*Amaranthus chlorostachys* Willd.

Bitlis: Şeyhhabib Mountain, humid areas, 2200 m, 09.09.2002, AA 2890, Ir.-Tur., T.

TAMARICACEAE*Tamarix smyrnensis* Bunge

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6848, Fa.

HYPERICACEAE (GUTTIFERAE)*Hypericum amblysepalum* Hochst.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, B 6851, Hk.

H. lysimachioides Boiss. & Noë var. *lysimachioides*

Bitlis: İçmeli village surrounding, steppe, 1500 m, 26.05.2002, AA 2394, Ir.-Tur., Ka.

H. lysimachioides Boiss. & Noë var. *spathulatum* Robson

Bitlis: Kambos Mountain surrounding, rocky places, 1900 m, 17.06.2002, AA 2550, Ir.-Tur., Ka.

H. hyssofolium Chaix subsp. *microcalycinum* (Boiss. & Heldr.) Boiss.

Bitlis: Ağaçköprü village surrounding, brushwood, 1850 m, 04.07.2001, AA 1382, Ir.-Tur., Hk.

H. scabrum L.

Bitlis: around Köy Hizmetleri building, steppe, 1610 m, 15.05.2001, AA 1163; Nabat Mountain, steppe, 1800 m, 26.05.2002, AA 2412, Ir.-Tur., Ka.

H. venustum Fenzl

Bitlis: the place for dumping and its surroundings, 1450 m, 30.05.2001, AA 1171; Şeyhhabib Mountain, rocky places, 1400 m, 25.07.2002, AA 2711, Hk.

H. armenum Jaub. & Spach

Bitlis: Doğanlı village, Kalem Mountain, brushwood, 2000 m, 06.06.2003, AA 3012, Ir.-Tur., Hk.

H. perforatum L.

Bitlis: Zeydan district surrounding, humid places, 1550 m, 22.07.2001, AA 1648, Hk.

H. triquetrifolium Turra

Bitlis: Aşağı Nabat hill, steppe, 1550 m, 24.07.2001, AA 1682, Hk.

MALVACEAE*Hibiscus trionum* L.

Bitlis: Şeyhhabib Mountain, wet places, 1800 m, 09.09.2002, AA 2916, T.

Malva neglecta Wallr.

Bitlis: Karınca village surrounding, steppe, 1600 m, 01.07.2002, AA 2651, T.

Alcea apterocarpa (Fenzl) Boiss.

Bitlis: İçmeli village surrounding, steppe, 1500 m, 24.07.2001, AA 1711, END., Ir.-Tur., Ka.

A. hohenackeri (Boiss. & Huet) Boiss.

Bitlis: Kambos hill, steppe, 1880 m, 05.07.2001, AA 1517, Hk.

Althaea cannabina L.

Bitlis: Sarıkonak village surrounding, brushwood, 1560 m, 06.08.2001, AA 1751, Hk.

LINACEAE*Linum mucronatum* Bertol subsp. *mucronatum*

Bitlis: Bitlis Castle, rocky areas, 1480 m, 15.05.2001, AA 1118, Ir.-Tur., Ka.

L. mucronatum Bertol subsp. *orientale* (Boiss.) P.H.Davis

Siirt: Baykan town surrounding, rocky places, 820 m, 08.05.2002, AA 2181, Ka.

L. triflorum P.H.Davis

Bitlis: Şeyhhabib Mountain, rocky places, 2200 m, 09.09.2002, AA 2874, END., Ir.-Tur., Hk.

L. nodiflorum L.

Bitlis: Nabat Mountain, rocky places, 1750 m, 26.05.2002, AA 2378, Med., T.

L. strictum L. var. *strictum*

Bitlis: Aşağı Nabat Mountain, rocky places, 1800 m, 25.05.2002, AA 2347a, T.

L. strictum L. var. *spicatum* Pers.

Bitlis: A. Nabat Mountain, rocky places, 1800 m, 25.05.2002, AA 2347b, T.

L. pubescens Banks & Sol. subsp. *pubescens*

Siirt: Baykan town surrounding, steppe, 820 m, 08.05.2002, AA 2212, E. Med., T.

L. meletonis Hand.-Mazz.

Bitlis: Kurudere village surrounding, steppe, 1400 m, 01.07.2002, AA 2634, Ir.-Tur., Hk.

L. catharticum L.

Bitlis: Saime hill, steppe, 1800 m, 18.06.2002, AA 1740, Euro-Sib., T.

GERANIACEAE*Geranium lucidum* L.

Bitlis: Doğanlı village, Kalem Mountain, rocky places, 1800 m, 06.06.2003, Behçet 6854, T.

G. rotundifolium L.

Bitlis: in the industrial region, rocky places, 1500 m, 29.04.2002, AA 2086, T.

G. molle L. subsp. *molle*

Siirt: Baykan, Obalı village surrounding, rocky places, 850 m, 07.04.2002, AA 1913, T.

G. columbinum L.

Bitlis: Narlıdere village surrounding, humid places, 1200 m, 16.07.2001, AA 1602, T.

G. libanoticum Schenk

Bitlis: the place for dumping garbage and its surroundings, brushwood, 1535 m, 20.04.2001, AA 1085, Kr.

G. collinum Steph. ex Willd.

Bitlis: Sarıkonak village surrounding, brushwood, humid place, 1600 m, 08.08.2002, AA 2833, Hk.

G. libani P. H. Davis

Bitlis: Taç district, steppe, 1605 m, 09.04.2001, AA 1037, E. Med. (mt.), Kr.

G. pyreanicum Burm.f.

Bitlis: Deliktaş village, brushwood, 1435 m, 30.05.2001, AA 1226; Alaniçi village surrounding, rocky places, 850 m, 09.06.2002, AA 2473, Hk.

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

Bitlis: Deliktaş village, steppe, 1435 m, 30.05.2001, AA 1249, T.

E. cicutarium (L.) L'Hér. subsp. *bipinnatum* (Cav.) Tourlet

Siirt: Baykan, Obalı village surrounding, steppe, 850 m, 16.03.2002, AA 1845, T.

ZYGOPHYLLACEAE*Tribulus terrestris* L.

Bitlis: Sarıkonak village surrounding, steppe, 1620 m, 23.09.2001, AA 1795 Şeyhhabib Mountain, humid roadsides, 2000 m, 09.09.2002, AA 2902, Ir.-Tur., T.

ACERACEAE

Acer monspessulanum L. subsp. *ibericum* (M.Bieb.) Yalt.

Bitlis: around Karınca patrol station house, rocky places, 1500 m, 15.07.2001, AA 1538, Fa.

A. monspessulanum L. subsp. *cinerascens* (Boiss.) Yalt.

Bitlis: Sarıkonak village surrounding, brushwood, 1650 m, 15.07.2001, AA 1593, Ir.-Tur., Fa.

A. negundo L.

Bitlis: around Köy Hizmetleri buildings, brushwood-rocky places, 1650 m, 03.06.2002, AA 2449, Fa.

VITACEAE

**Vitis vinifera* L.

Bitlis: İçmeli village surrounding, garden, 1500 m, 26.05.2002, AA 2382, Fa.

RHAMNACEAE

Paliurus spina-christi Mill.

Bitlis: Kambos Mountain surrounding, brushwood, 1820 m, 05.07.2001, AA 1466; Ağaçlıköprü district, steppe, 1400 m, 25.05.2002, AA 2339, Fa.

Frangula alnus Mill. subsp. *pontica* (Boiss.) P.H.Davis & Yalt.

Bitlis: Kilise village surrounding, brushwood, 1650 m, 02.07.2002, AA 2698, END., Fa.

Rhamnus catharticus L.

Bitlis: Karınca village surrounding, rocky places, 1500 m, 15.07.2001, AA 1534, Euro-Sib., Fa.

ANACARDIACEAE

Rhus coriaria L. Bitlis: Deliktaş village surrounding, brushwood, 1440 m, 03.07.2001, AA 1308, Fa.

Pistacia eurycarpa Yalt.

Bitlis: Narlıdere village surrounding, rocky places, 1150 m, 16.07.2001, AA 1611; Şeyhhabib Mountain, forest-rocky places, 1600 m, 05.08.2002, AA 2763, Ir.-Tur., Fa.

P. khinjuk Stocks

Bitlis: Sarıkonak village surrounding, brushwood, 1650 m, 15.07.2001, AA 1592, Ir.-Tur., Fa.

CELASTRACEAE

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

Bitlis: Şeyhhabib Mountain, rocky places, 2100 m, 09.09.2002, AA 2896, Euro-Sib., Fa.

FABACEAE (LEGUMINOSAE)

Prosopis farcta (Banks & Sol.) J.F.Macbr.

Siirt: Baykan, Obalı village surrounding, streamsides, 850 m, 08.08.2002, AA 2817, Ka.

Anagyris foetida L.

Siirt: Baykan town surrounding, open forest, 820 m, 07.04.2002, AA 1897, Med., Fa.

Robinia pseudoacacia L.

Bitlis: Bitlis Castle, steppe, 1550 m, 22.07.2001, AA 1629, Fa.

Colutea cilicia Boiss. & Ball

Bitlis: eastern slopes of Kambos hill, brushwood, 1600 m, 05.07.2001, AA 1531, Fa.

Astragalus emarginatus Labill.

Bitlis: Narlıdere village, brushwood, 1000 m, 25.07.2002, AA 2724, Ir.-Tur. Ka.

A. cicer L.

Siirt: Baykan, Obalı village, Çemçavuş ditric, steppe, 700 m, 07.05.2002, AA 2146, Hk.

A. macrourus Fisch. & C.A.Mey.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6815, Ir.-Tur., Ka.

A. fraxinifolius DC.

Bitlis: Şeyhhabib Mountain, steppe, 2200 m, 09.03.2002, AA 2905, Ir.-Tur., Hk.

A. altanii Hub.-Mor.

Bitlis: Alaniçi village surrounding, open *Quercus* forest, 850 m, 09.06.2002, AA 2466, END., Ir.-Tur. Hk.

A. fabaceus M.Bieb.

Siirt: Baykan surrounding, open forest, 700 m, 07.05.2002, AA 2131, Ir.-Tur., Hk.

A. leporinus Boiss. var. *hirsutus* (Post) D.F.Chamb.

Bitlis: Sarıkonak village surrounding, under forest, 1600 m, AA 2042, END., Ka.

A. yueksekovae Matthews

Bitlis: Bitlis Castle, steppe, 1580 m, 05.15.2001, AA 1140, END., Ir.-Tur., Ka.

A. brachycalyx Fischer

Bitlis: Şeyhhabib Mountain, steppe, 2000 m, 09.03.2002, AA 2903, Ir.-Tur., Ka.

A. gevashensis Chamb. & Matthews

Bitlis: Ağaçköprü village, steppe, 1350, 08.08.2001, AA 1765, END., Ir.-Tur., Ka.

A. amblolepis Fisch.

Bitlis: Kambos hill, steppe, 1600 m, 05.07.2001, AA 1426. Bitlis: Döşkaya village, steppe, 1500 m, 18.06.2002, AA 2586, Ir.-Tur., Ka.

A. lagurus Willd.

Bitlis: around Köy Hizmetleri surrounding, steppe, 1650 m, 01.07.2002, AA 2668, Ir.-Tur., Ka.

A. macrocephalus Willd. subsp. *finitimus* (Bunge) D.F.Chamb.

Bitlis: W slopes of Kambos hill, steppe, 1600 m, 05.07.2001, AA 1469, Ir.-Tur., Ka.

A. lineatus Lam. var. *lineatus*

Bitlis: Deliktaş district, open forest, 1500 m, 18.05.2002, AA 2283, Hk.

A. adunciformis Boiss.

Bitlis: Deliktaş district, steppe, 1450 m, 30.05.2001, AA 1236, END., Ka.

A. canescens DC.

Bitlis: Harabe hill, steppe, 1590 m, 20.04.2001, AA 1060, END., Ir.-Tur., Hk.,

A. lycius Boiss.

Siirt: Baykan district, brushwood, 700 m, 08.05.2002, AA 2182, END., Ka.

A. xylobasis Freyn & Bornm. var. *angustus* (Freyn & Sint.) Freyn & Bornm.

Bitlis: Alaniçi village district, steppe, 850 m, 01.07.2002, AA 2643, END., Ir.-Tur., Hk.,

A. fragrans Willd.

Bitlis: around radio-link station surrounding, steppe, 1740 m, 09.04.2001, AA 1012. Ir.-Tur., Hk.

A. latifolius Lam.

Siirt: Baykan, Obalı village surrounding, open forest, 700 m, 07.05.2002, AA 2127, Ir.-Tur., Hk.

A. campylosema Boiss. subsp. *nigripilis* Hub.-Mor. & Chamb.

Bitlis: Alaniçi village surrounding, steppe, 850 m, 01.07.2002, AA 2643, END., Ir.-Tur., Hk.

A. cinereus Willd.

Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1800 m, Behçet 6815, END., Ir.-Tur., Hk.

Glycyrrhiza glabra L. var. **glabra**

Bitlis: Ağačköprü village, streamsides, 1350, 03.07.2001, AA 1365, Ka.

G. echinata L.

Bitlis: Sarikonak village, steppe, 1550 m, 15.07.2001, AA 1575, Ka.

Cicer anatolicum Alef.

Bitlis: Değirmenaltı village, rocky places, 1700 m, 02.07.2002, AA 2673, Ir.-Tur., Hk.

C. pinnatifidum Jaub. & Spach

Bitlis: Tanrıyar village, rocky places, 1700 m, 04.05.2003, AA 2956, Hk.

Vicia cracca L. subsp. **tenuifolia** (Roth) Gaudin

Bitlis: İçmeli village, humid places, 1500 m, 26.05.2002, AA 2371, Hk.

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

Bitlis: Kambos hill, rocky places, 1600 m, 05.07.2001, AA 1488; Döşkaya village, rocky places, 1600 m, 18.06.2002, AA 2600, Hk.

V. canescens Labill. subsp. **leucomalla** (Bornm.) P.H.Davis

Bitlis: Alaniçi village, steppe, 950 m, 01.07.2002, AA 2644; around Köy Hizmetleri building, steppe, 1615 m, 03.07.2001, AA 1257, END., Ir.-Tur., Hk.

V. hyrcanica Fisch. & C.A.Mey.

Siirt Baykan town surrounding, rocky places, 820 m, 08.05.2002, AA 2204, Ir.-Tur., Hk.

V. peregrina L.

Bitlis: Kalem Mountain, Doğanlı village surrounding, open forest, 1800 m, 06.06.2003, Behçet 6763, T.

V. anatolica Turritt

Bitlis: Kalem Mountain, Doğanlı village surrounding, open forest, 1800 m, 06.06.2003, AA 2993, Ir.-Tur., T.

V. cuspidata Boiss.

Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 2000 m, 06.06.2003, Behçet 6764, Med., T.

V. sativa L. subsp. **sativa**

Bitlis: Sarikonak village surrounding, brushwood, 1600 m, 23.04.2002, AA2072, T.

V. sativa L. subsp. **nigra** (L.) Ehrh. var. **segetalis** (Thuill.) Ser. ex DC.

Bitlis: Tanrıyar village district, rocky places, 1000 m, 22.04.2002, AA 2012, T.

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

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, AA 2992, T.

V. galilaea Plitmann & Zoh.

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, AA 2991, T.

Lens orientalis (Boiss.) Hand.- Mazz.

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6770, T.

Lathyrus pratensis L.

Bitlis: Değirmenderesi stream, meadow, 1650 m, 22.07.2001, AA 1639, Euro-Sib., Hk.

L. rotundifolius Willd. subsp. **miniatus** (M. Bieb. ex Stev.) P. H. Davis

Bitlis: Yamköy district, brushwood, 1510 m, 20.04.2001, AA 1101, Hk.

L. roseus Stev.

Bitlis: İçmeli village, brushwood, 1500 m, 26.05.2002, AA 2365; Deliktaş district, brushwood, 1450 m, 30.05.2001, AA 1196, H.-Eux., Ka.

L. setifolius L.

Bitlis: Kalem Mountain, Doğanlı village surrounding, 2000 m, open forest, 06.06.2003, Behçet 6852, Med., T.

L. cicera L.

Bitlis: Alaniçi village, steppe, 950 m, 14.04.2002, AA 1948, T.

L. chloranthus Boiss.

Bitlis: İçmeli village, under tree, 1500 m, 24.07.2001, AA 1717, Ir.-Tur., T.

Pisum sativum L. subsp. **sativum** var. **arvense** (L.) Poir.

Bitlis: Alaniçi village, rocky places, 950 m, 04.05.2003, AA 2972; Kalem Mountain, W of Doğanlı village, 1900 m, rocky places, 06.06.2003, Behçet 6797, T.

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

Siirt: Baykan, Obalı village surrounding, rocky places, 850 m, 07.05.2002, AA 2168; Baykan town surrounding, rocky places, 810 m, 08.05.2002, AA2189, Med., T.

Ononis spinosa L. subsp. **leiosperma** (Boiss.) Sirj.

Bitlis: Sarikonak village district, open forest, 1550 m, 15.07.2001, AA 1561; Karınca village steppe, 1300 m, 15.07.2001, AA 2645, Hk.

Trifolium repens L. var. **repens**

Bitlis: Deliktaş district, meadow, 1450 m, 03.07.2001, AA 1248, Hk.

T. ambiguum M. Bieb.

Bitlis: Kurudere village, meadow, 1200 m, 01.07.2002, AA 2631, Hk.

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

Bitlis: E of Kambos hill, meadow, 1600 m, 05.07.2001, AA 1524, Hk.

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

Bitlis: Torek Mountain, steppe, 1600 m, 17.05.2002, AA 2227, T.

T. speciosum Willd.

Siirt Baykan town surrounding, open forest, 820 m, 08.05.2002, AA 2163, Euro-Sib., T.

T. campestre Schreb.

Bitlis: Karınca village surrounding, steppe, 1600 m, 17.05.2002, AA 2226, T.

T. spumosum L.

Siirt: Baykan town surrounding, meadow, 820 m, 08.05.2002, AA 2222, Med. T.

T. argutum Sol.

Bitlis: İçmeli village, humid places, 1500 m, 26.05.2002, AA 2374a, T.

T. fragiferum L. var. **pulchellum** Lange

Bitlis: Narlıdere village, 1050 m, humid places, 16.07. 2001, AA 1605, Hk.

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

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6753, Med., Hk.

T. resupinatum L. var. **microcephalum** Zoh.

Bitlis: meadows, 1540 m, 30.05.2001, AA 1211, Hk.

- T. resupinatum* L. var. *resupinatum*
Bitlis: Deliktaş village, meadow, 1500 m, 18.05.2002, AA 2285, T.
- T. tomentosum* L.
Bitlis: Sarıkonak village, steppe, 1550 m, 18.05.2002, AA 2253. Siirt: Baykan town surrounding, steppe, 820 m, 07.05.2002, AA 2134, T.
- T. pratense* L. var. *americanum* Harz
Bitlis: E of Kambos hill, meadow, 1680 m, 05.07.2001, AA 1511; Şetek village, humid places, 1550 m, 05.10.2001, AA 1775, Hk.
- T. diffusum* Ehrh.
Bitlis: Ağaçköprü village, steppe, 1350 m, 09.06.2002, AA 2505; Kalem Mountain, Doğanlı village surrounding, 1800 m, steppe, 06.06.2003, AA 2995, T.
- T. trichocephalum* M.Bieb.
Bitlis: Ağaçköprü village, meadow, 1350 m, 04.07.2001, AA 1361, Hk.
- T. stellatum* L. var. *stellatum*
Bitlis: Alaniçi village, meadow, 950 m, 15.04.2002, AA 1982b, T.
- T. stellatum* L. var. *xanthium* (Frey) Bald.
Siirt: Baykan town surrounding, steppe, 820 m, 08.05.2002, AA 2217. Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6837, Med., T.
- T. bocconei* Savi
Bitlis: Direktaş village, steppe, 1400 m, 25.05.2002, AA 2305, T.
- T. hirtum* All.
Bitlis: Direktaş village, steppe, 1400 m, 25.05.2002, AA 2307, Med., T.
- T. arvense* L. var. *arvense*
Bitlis: around Köy Hizmetleri building, humid places, 1615 m, 15.05.2001, AA 1150, T.
- T. angustifolium* L. var. *angustifolium*
Bitlis: İçmeli village, steppe, 1500 m, 25.05.2002, AA 2338, T.
- T. purpureum* Loisel. var. *pamphylicum* (Boiss. & Heldr.) Zoh.
Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6775, Med., T.
- T. leucanthum* M.Bieb.
Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6836, T.
- T. pauciflorum* d'Urv.
Bitlis: Tatlıkaynak village, meadow, 1550 m, 18.05.2002, AA 2291. Siirt: Baykan town surrounding, meadow, 820 m, 08.05.2002, AA 2208, Med., T.
- T. pilulare* Boiss.
Siirt: Baykan town surrounding, steppe, 820 m, 08.05.2002, AA 2185. Bitlis: Aşağı Nabat Mountain, steppe, 1750 m, 25.05.2002, AA 2353, T.
- T. subterraneum* L.
Bitlis: Karınca village surrounding, meadow, 1500 m, 23.04.2002, AA 2051, T.
- Trigonella mesopotamica* Hub.-Mor.
Siirt: Baykan town surrounding, steppe, 820 m, 08.05.2002, AA 2186, T.
- T. monantha* C.A.Mey. subsp. *monantha*
Siirt: Baykan, Obalı village surrounding, open forest, 850 m, 07.05.2002, AA 2152, Ir.-Tur., T.
- T. strangulata* Boiss.
Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6783, T.
- T. monspeliaca* L.
Bitlis: Ağaçköprü village district, steppe, 1450 m, 25.05.2002, AA 2303, Med., T.
- Medicago lupulina* L.
Bitlis: Harebe hill, steppe, 1600 m, 20.04.2001. AA 1064, Hk.
- M. radiata* L.
Siirt: Baykan town surrounding, steppe, 850 m, 08.05.2002, AA 2220, Ir.-Tur., T.
- M. arabica* (L.) Huds.
Siirt: Baykan town surrounding, steppe, 820 m, 07.05.2002, AA 2133, T.
- M. minima* (L.) Bartal var. *minima*
Bitlis: Tanrıyar village district, steppe, 1000 m, 22.04.2002, AA 2033, T.
- M. rigidula* (L.) All. var. *rigidula*
Bitlis: Direktaş district, steppe, 1400 m, 25.05.2002, AA 2306, T.
- M. sativa* L. var. *sativa*
Bitlis: Sarıkonak village, brushwood, 1550 m, 15.07.2001, AA 1577, Hk.
- M. sativa* L. var. *coerulea* (Less. ex Ledeb.) Schmalh.
Bitlis: Narlıdere village, 1050 m, brushwood, 25.07.2002, AA 2701, Hk.
- M. coronata* (L.) Bartal
Bitlis: Aşağı Nabat Mountain, steppe, 1750 m, 26.05.2002, AA 2410, Med., T.
- Lotus corniculatus* L. var. *tenuifolius* L.
Bitlis: Sarıkonak village, open forest, 1550 m, 15.07.2001, AA 1586. Bitlis: İçmeli village, humid places, 1500 m, 24.07.2001, AA 1696, Hk.
- L. gebelia* Vent. var. *gebelia*
Bitlis: Ağaçköprü village, steppe, 1350 m, 17.06.2002, AA 2503; Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, AA 2994, Hk.
- Hymenocarpus circinatus* (L.) Savi
Siirt: Baykan, Obalı village surrounding, steppe, 850 m, 07.05.2002, AA 2167, Med., T.
- Coronilla orientalis* Mill. var. *orientalis*
Bitlis: Deliktaş district, steppe, 1450 m, 30.05.2001, AA 1235, Ka.
- C. varia* L. subsp. *varia*
Bitlis: East of Kambos hill, brushwood, 2000 m, 17.06.2002, AA 2538; Şeyhhabib Mountain, brushwood, 2000 m, 09.03.2002, AA 2898, Hk.
- Onobrychis cornuta* (L.) Desv.
Siirt: Baykan, Obalı village, Çemçavuş district, steppe, 850 m, 07.05.2002, AA 2136, Ka.
- O. caput-galli* (L.) Lam.
Siirt: Baykan, Obalı village surrounding, steppe, 850 m, 07.05.2002, AA 2166, Med. T.
- O. carduchorum* C.C.Towns.
Bitlis: W of Kambos hill, steppe, 1600 m, 05.07.2001, AA 1433, Ir.-Tur., Hk.
- O. kotschyana* Fenzl
Bitlis: Değirmenaltı village, steppe, 1700 m, 02.07.2002, AA 2676, Hk.
- O. tournefortii* (Willd.) Desv.
Siirt: Baykan, Obalı village, Çemçavuş district, open forest, 850 m, 07.05.2002, AA 2175, END., Hk.
- Alhagi mannifera* Desv.
Siirt: Baykan, Obalı village surrounding, open forest, 850 m, 08.08.2002, AA 2818, Ka.

ROSACEAE

Prunus spinosa L.

Siirt: Baykan town surrounding, under forest, 820 m, 16.03.2002, AA 1822, END., Ir.-Tur., Fa.

**P. x domestica* L.

Bitlis: HERSAN district, brushwood, 1550 m, 29.04.2002, AA 2082. Bitlis: Deliktaş district, brushwood, 1450 m, 03.07.2001, AA 1301, Fa.

P. divaricata Ledeb. subsp. *divaricata*

Bitlis: Deliktaş district, brushwood, 1450 m, 03.07.2001, AA 1278, Fa.

Cerasus brachypetala Boiss. var. *brachypetala* (This variety was given as a new record for Turkey by Dönmez and Yıldırım, (1999))

Bitlis: eastern slopes of Kambos Mountain, rocky places, 1900 m, 17.06.2002, AA 2548, Ir.-Tur., Ka.

C. brachypetala Boiss. var. *bornmuelleri*

Bitlis: Deliktaş village surrounding, open forest, 1500 m, 18.05.2002, AA 2276, Ir.-Tur., Ka.

C. microcarpa (C.A.Mey.) Boiss. subsp. *tortuosa* (Boiss. & Hausskn.) Browicz

Bitlis: Ağaçköprü village, brushwood, 1450 m, 03.07.2001, AA 1368, Ir.-Tur., Fa.

C. vulgaris Mill.

Bitlis: Narlıdere village, forest, 1050 m, 23.04.2002, AA 2022; Berge hill, open forest, 1570 m, 30.04.2002, AA 2085, Fa.

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

Bitlis: Sarikonak village surrounding, forest, 1600 m, 23.08.2002, AA 1578, Fa.

Amygdalus communis L.

Bitlis: Sarikonak village surrounding, steppe, 1600 m, 23.04.2002, AA 2070, Fa.

A. arabica Oliv.

Bitlis: Alaniçi village district, open forest, 950 m, 04.05.2002, AA 2953; Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6755, Ir.-Tur., Ka.

Filipendula ulmaria (L.) Maxim.

Bitlis: Şeyhhabib Mountain, brushwood, 1700 m, 25.07.2002, AA 2719, Euro-Sib., HK.

Rubus idaeus L.

Bitlis: Tanrıyar village surrounding, streamsides, 1200 m, 05.08.2002, AA 2762, Fa.

R. caesius L.

Bitlis: W of Kambos hill, streamsides, 1900 m, 05.07.2001, AA 1519, Fa.

R. sanctus Schreb.

Bitlis: W of Kambos hill, streamsides 1600 m, 05.07.2001, AA 1462, Fa.

R. canescens DC. var. *canescens*

Bitlis: Değirmenaltı village surrounding, brushwood, 1700 m, 02.07.2002, AA 2692, Fa.

Potentilla bifurca L.

Bitlis: Kurudere village surrounding, steppe, 1600 m, 01.07.2002, AA 2640, HK.

P. inclinata Vill.

Bitlis: around Karınca Karakol, steppe, 1500 m, 01.07.2002, AA 1677; Ağaçköprü village, steppe, 1650 m, 04.07.2002, AA 1405, HK.

P. recta L.

Bitlis: İçmeli village, steppe, 1500 m, 25.05.2002, AA 2491, HK.

P. anatolica Peşmen

Bitlis: İçmeli village, steppe, 1500 m, 25.05.2002, AA 2343; Şeyhhabib Mountain, brushwood, 1700 m, 09.03.2002, AA 2918, END., Ir.-Tur., HK.

P. pannosa Boiss. & Hausskn.

Bitlis: SW of Kambos Mountain wet places, 1850 m, 05.07.2001, AA 1498, Ir.-Tur., HK.

P. reptans L.

Bitlis: Deliktaş district, wetland, 1450 m, 03.07.2001, AA 1321, HK.

Geum urbanum L.

Bitlis: Dörtağaç village, steppe, 1700 m, 03.06.2002, AA 2442, HK.

Agrimonia eupatoria L.

Bitlis: SW of Kambos Mountain, brushwood, 1440 m, 05.07.2001, AA 1455. Bitlis: Killise village surrounding, brushwood, 1650 m, 02.07.2002, AA 2695, Kr.

Sanguisorba minor Scop. subsp. *minor*

Bitlis: Deliktaş surrounding, steppe, 1435 m, 03.07.2001, AA 1306; Arapköprü district surrounding, steppe, 1540 m, 09.04.2001, AA 1043, HK.

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

Siirt: Baykan, Obalı village, Çemçavuş district, steppe, 850 m, 30.03.2002, AA 2147, HK.

Alchemilla pseudocartalinica Juz.

Bitlis: Değirmenaltı village surrounding, humid places, 1700 m, 03.06.2002, AA 2427; Deliktaş village, humid places, 1550 m, 17.07.2001, AA 1623, HK.

Rosa foetida J. Herrm.

Bitlis: around Köy Hizmetleri building, brushwood, 1615 m, 15.05.2001, AA 1153, Fa.

R. montana Chaix subsp. *woronowii* (Lonacz.) O.Nilsson

Bitlis: Nabat Mountain, rocky places, 2000 m, 24.07.2001, AA 1666, Fa.

R. canina L.

Bitlis: Sarikonak village surrounding, brushwood, 1600 m, 21.10.2001, AA 1817, Fa.

R. dumalis Bechst. var. subsp. *boissieri* (Crép.) O.Nilsson

Bitlis: S of Torek Mountain, brushwood, 1700 m, 17.05.2002, AA 2231; around Köy Hizmetleri building, brushwood, 1615 m, 07.03.2001, AA 1259, Fa.

Cotoneaster nummularia Fisch. & C.A.Mey.

Bitlis: Şetek village surrounding, in forest, 1600 m, 05.10.2001, AA 1774, Fa.

Crataegus orientalis Pallas ex M.Bieb. var. *orientalis*

Bitlis: Sarikonak village surrounding, forest, 1600 m, 21.08.2001, AA 1816; Deliktaş district, steppe, 1450 m, 03.07.2001, AA 1352, Fa.

C. szovitsii Pojark.

Bitlis: Sarikonak village surrounding, forest, 1600 m, 21.10.2001, AA 1812, Ir.-Tur., Fa.

C. aronia (L.) Bosc. ex DC. var. *aronia*

Bitlis: Narlıdere village surrounding, slopes, 1050 m, 16.07.2001, AA 1610, Fa.

C. atrosanguinea Pojark.

Bitlis: HERSAN district, in garden, 1545 m, 26.07.2002, AA 2862, Ir.-Tur., Fa.

C. curvisepala Lindm.

Bitlis: Sarikonak village surrounding, in forest, 1600 m, 21.10.2001, AA 1815, Fa.

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

Bitlis: place for dumping garbage and its surroundings, brushwood, 1450 m, 20.04.2001, AA 1075; Deliktaş district, brushwood, 1450 m, 03.07.2001, AA 1305 Fa.

C. monogyna J.Jacq. subsp. *azarella* (Gris) Franco

Bitlis: Deliktaş district, brushwood, 1450 m, 30.05.2001, AA 1223, Fa.

C. pseudoheterophylla Pojark.

Bitlis: Deliktaş district, in forest, 1450 m, 18.05.2002, AA 2258, Ir.-Tur., Fa.

Sorbus umbellata (Desf.) Fritsch var. *umbellata*

Bitlis: Aşağı Nabat Mountain, rocky places, 1800 m, 24.07.2001, AA 1664, Fa.

S. torminalis (L.) Crantz var. *torminalis*

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1900 m, in forest, 06.06.2003, AA 3001, Fa.

**Cydonia oblonga* Mill.

Bitlis: Sarıkonak village, in garden, 1550 m, 23.04.2002, AA 2078, Fa.

Malus sylvestris Mill. subsp. *orientalis* (A.Uglitzk.) Browicz var. *orientalis*

Siirt: Baykan town surrounding, in garden, 820 m, 16.03.2002, AA 1836. Bitlis: Sarıkonak village, in garden, 1600 m, 23.04.2002, AA 2038, Fa.

Pyrus syriaca Boiss. var. *syriaca*

Bitlis: Hersan district, in garden, 1540 m, 26.07.2002, AA 2861, Fa.

PUNICACEAE

Punica granatum L.

Bitlis: Tatlıkaynak village, in garden, 1500 m, 26.05.2002, AA 2387, Fa.

LYTHRACEAE

Lythrum salicaria L.

Bitlis: Değirmenaltı Stream, wet places, 1650 m, 22.07.2001, AA 1662; Yenice village, streamsides, 950 m, 25.08.2001, AA 1805, Euro-Sib., Hk.

ONAGRACEAE

Circaea lutetiana L.

Bitlis: İçmeli village, under tree, 1500 m, 24.07.2001, AA 1706, Hk.

Epilobium angustifolium L.

Bitlis: Dörtağaç village streamsides, 1700 m, 02.07.2002, AA 2690; Değirmenaltı, village surrounding, brushwood, 22.07.2001, AA 1628, Hk.

E. hirsutum L.

Bitlis: around Köy Hizmetleri building, humid places, 1610 m, 22.07.2001, AA 1642, Hk.

E. montanum L.

Bitlis: around Karınca Karakol, wet places, 1300 m, 15.07.2001, AA 1555, Euro-Sib., Kr.

E. lanceolatum Seboth & Mauri

Bitlis: Deliktaş district, brushwood, 1450 m, 03.07.2001, AA 1347, Hk.

E. roseum Schreb. subsp. *subsessile* (Boiss.) P.H.Raven

Bitlis: Şeyhhabib Mountain, wet places, 2000 m, 09.09.2002, AA 2878, Kr.

E. minutiflorum Hausskn.

Bitlis: South-eastern slopes of Kambos Mountain, brushwood, 1640 m, 05.07.2001, AA 1507; Ağaçoğlu village, brushwood, 1650 m, 04.07.2002, AA 1369, Ir.-Tur., Hk.

CUCURBITACEAE

Bryonia aspera Stev. ex Ledeb.

Bitlis: Sarıkonak village surrounding, brushwood, 1600 m, 18.06.2002, AA 2597, Hk.

DATISCEAE

Datisca cannabina L.

Bitlis: Şeyhhabib Mountain, streamsides, 1900 m, 09.09.2002, AA 2879, Hk.

CRASSULACEAE

Umbilicus erectus DC.

Bitlis: Kambos hill surrounding, brushwood, 1800 m, 05.07.2001, AA 1501; Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6869, Hk.

Rosularia sempervivum (M.Bieb.) A.Berger subsp. *sempervivum*

Bitlis: Saime hill, rocky places, 1850 m, 18.06.2002, AA 2593, Ir.-Tur., Hk.

Rosularia sempervivum (M.Bieb.) A.Berger subsp. *libanotica* (Labill.) Egli

Bitlis: Kambos Mountain, rocky places, 1900 m, 05.07.2001, AA 1439, Hk.

Rosularia sempervivum (M.Bieb.) A.Berger subsp. *kurdica* Egli

Bitlis: Saime hill rocky places, 1850 m, 18.06.2002, AA 2608. Ir. - Tur., Hk.

Sedum album L.

Bitlis: Kambos Mountain, rocky, humid places, 2000 m, 17.06.2002, AA 2561; Şeyhhabib Mountain, rocky places, 1800 m, 05.08.2002, AA 2733, Hk.

S. sempervivoides M. Bieb.

Bitlis: Kambos hill, rocky places, 1830 m, 05.07.2001, AA 1451; Şeyhhabib Mountain, steppe-rocky places, 1800 m, 05.08.2002, AA 2743, Hk.

S. pallidum M. Bieb. var. *pallidum*

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6825; Siirt: Baykan town surrounding, rocky places, 800 m, 08.05.2002, AA 2811, T.

SAXIFRAGACEAE

Saxifraga sibirica L. subsp. *mollis* (Sm.) Matthews

Bitlis: Bitlis Castle, wet places-meadow, 1550 m, 15.05.2001, AA 1141, Kr.

S. tridactylites L.

Bitlis: Industrial site surrounding, steppe, 1530 m, 29.04.2002, AA 2091, T.

APIACEAE (UMBELLIFERAE)

Eryngium falcatum Delar.

Bitlis: Narlıdere village surrounding, steppe, 1050 m, 25.07.2001, AA 2700; Aşağı Nabat Mountain, steppe, 1800 m, 25.05.2002, AA 2351, Med., Hk.

E. pyramidale Boiss. & Hausskn.

Bitlis: Kalem Mountain, Doğanlı village surrounding, open forest, 1800 m, 06.06.2003, Behçet 6831, Ir.-Tur., Hk.

E. billardieri Delar.

Bitlis: Şeyhhabib Mountain, steppe, 2000 m, 09.03.2002, AA 2911, Ir.-Tur., Hk.

Lagoecia cuminoides L.

Bitlis: Aşağı Nabat Mountain, steppe, 1750 m, 25.05.2002, AA 2327, Med., T.

Chaerophyllum crinitum Boiss.

Bitlis: Değirmenaltı village, steppe, 1700 m, 03.06.2002, AA 2432, Ir.-Tur., Kr.

Grammosciadium macrodon Boiss.

Bitlis: Deliktaş district, steppe, 1450 m, 18.05.2001, AA 2257, Ir.-Tur., Hk.

G. platycarpum Boiss. & Hausskn.

Bitlis: Industrial site surrounding, steppe, 1530 m, 29.04.2002, AA 2098, Ir.-Tur., Hk.

Scandix pecten-veneris L.

Bitlis: Çayırköy district, steppe, 1570 m, 30.05.2001, AA 1198, T.

Smyrniolum olusatrum L.

Bitlis: Deliktaş district, steppe, 1450 m, 30.04.2002, AA 2116, Med., Hk.

S. cordifolium Boiss.

Bitlis: Narlıdere village, 1050 m, brushwood, 22.04.2002, AA 2008, Ir.-Tur., Hk.

Bunium paucifolium DC. var. **paucifolium**

Siirt: Baykan town surrounding, brushwood, 820 m, 17.05.2002, AA 2221, END., Ir.-Tur., Kr.

B. paucifolium DC. var. **brevipes** (Freynt & Sint.) Hedge & Lamond

Bitlis: Yamköy surrounding, steppe, 1510 m, 20.04.2001, AA 1108, END., Ir.-Tur., Kr.

Pimpinella peregrina L.

Bitlis: south-eastern slopes of Kambos Mountain, brushwood, 1640 m, 05.07.2001, AA 1499, Hk.

P. kotschyana Boiss.

Bitlis: south-eastern slopes of Kambos Mountain, brushwood, 1640 m, 05.07.2001, AA 1459, Ir.-Tur., Ka.

P. tragium Vill. subsp. **pseudotragium** (DC.) Matthews

Bitlis: Narlıdere village, brushwood, 1050 m, 25.07.2002, AA 2725, Ir.-Tur., Hk.

P. anthriscoides Boiss. subsp. **anthriscoides**

Bitlis: Kambos hill, rocky places-steppe, 2000 m, 01.08.2001, AA 1731, Ir.-Tur., Hk.

P. peucedanifolia Fisch. ex Ledeb.

Bitlis: Ağaçköprü village, brushwood, 1450 m, 04.07.2001, AA 1386, Hk.

Sium sisarum L. var. **lancifolium** (M.Bieb.) Thell.

Bitlis: İçmeli village, under tree, 1500 m, 24.07.2001, AA 1709, Hk.

Prangos pabularia Lindl.

Bitlis: south-eastern slopes of Kambos Mountain, steppe, 1640 m, 05.07.2001, AA 1427, Ir.-Tur., Hk. Appr.: M.G.Pimenov.

P. peucedanifolia Fenzl

Bitlis: Nabat Mountain, steppe, 1800 m, 26.05.2002, AA 2388, Ir.-Tur., Hk.

P. uechtritzi Boiss. & Hausskn.

Bitlis: Deliktaş district, brushwood, 1450 m, 30.05.2001, AA 1179, END., Ir.-Tur., Hk.

Bupleurum kurdicum Boiss.

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6761, Ir.-Tur., T.

Apium nodiflorum (L.) Lag.

Bitlis: İçmeli village district, streamside, 1500 m, 24.07.2001, AA 1700, Hk.

Malabaila lasiocarpa Boiss.

Bitlis: Deliktaş district, brushwood, 1450 m, 30.05.2001, AA 1194; Kurudere village surrounding, brushwood, 1300 m, 23.04.2002, AA 2037, END., Ir.-Tur., Kr.

Ainsworthia trachycarpa Boiss.

Bitlis: Direktaş district, steppe, 1400 m, 25.05.2002, AA 2313; Tanrıyar village surrounding, brushwood, 1500 m, 04.05.2003, AA 2949, Med., Hk. Det.: M.G.Pimenov.

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

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6759, T.

T. leptophylla (L.) Reichb.

Bitlis: Deliktaş district, steppe, 1550 m, 18.05.2002, AA 2265, T.

Turgenia latifolia (L.) Hoffm.

Bitlis: Dörtağaç village, brushwood, 1700 m, 02.07.2002, AA 2679, T.

Lisaea strigosa (Banks & Sol.) Eig

Bitlis: Deliktaş district, steppe, 1450 m, 03.07.2001, AA 1293, Ir.-Tur., T.

***Daucus carota** L.

Bitlis: Sarıkonak village district, brushwood, 1550 m, 08.08.2002, AA 2821, Hk.

D. guttatus Sm.

Bitlis: Sarıkonak village, brushwood, 1550 m, 15.07.2001, AA 1573, Hk.

Orlaya daucoides (L.) Greuter

Bitlis: eastern slopes of Kalem Mountain, open forest, 1800 m, 06.06.2003, AA 3007, Med., T.

CORNACEAE

Cornus sanguinea L. subsp. **australis** (C.A.Mey.) Jáv.

Bitlis: Ağaçköprü village surrounding, brushwood, 1510 m, 26.07.2001, AA 1724; Kambos Mountain, rocky places, 1900 m, 17.06.2002, AA 2549, Euro-Sib., Fa.

CAPRIFOLIACEAE

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

Bitlis: Şeyhhabib Mountain, rocky places, 1800 m, 05.08.2002, AA 2766, Fa.

VALERIANACEAE**Valeriana** *phu* L.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6795, Kr.

V. sisymbriifolia Vahl

Bitlis: Alaniçi village surrounding, brushwood, 950 m, 04.05.2003, AA 2937, Ir.-Tur., Kr.

Centranthus longiflorus Stev. subsp. **longiflorus**

Bitlis: north of Kambos Mountain, rocky places-steppe, 2050 m, 30.08.2002, AA 2784, Ir.-Tur., Hk.

Valerianella dactylophylla Boiss. & Hohen.

Bitlis: Deliktaş village surrounding, brushwood, 1510 m, 30.05.2001, AA 1187; Değirmenaltı village surrounding, steppe, 1700 m, 03.06.2002, AA 2454, T.

V. carinata Lois.

Bitlis: Tatlıkaynak village surrounding, steppe, 1510 m, 18.05.2002, AA 2296, T.

V. coronata (L.) DC.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6801, T.

V. vesicaria (L.) Moench

Siirt: around Baykan town centre, steppe, 810 m, 08.08.2002, AA 2191, T.

DIPSACACEAE**Cephalaria setosa** Boiss. & Hohen.

Bitlis: Sarıkonak village surrounding, brushwood, 1650 m, 15.07.2001, AA 1587, Ir.-Tur., T.

C. syriaca (L.) Schrad.

Bitlis: Kambos Mountain, steppe, 1900 m, 05.07.2001, AA 1487, T.

- C. speciosa* Boiss. & Kotschy
Bitlis: Doğanlı village, Kalem Mountain, steppe, 1800 m, 06.06.2003, AA 3011, END. Ir.-Tur., Hk.
- C. procera* Fisch. & Lall
Bitlis: S of Nabat Mountain, steppe, 1800 m, 24.07.2001, AA 1670, Ir.-Tur., Hk.
- Scabiosa argentea* L.
Bitlis: around Köy Hizmetleri building, steppe, 1610 m, 03.07.2001, AA 1277; Direktaş village, steppe, 1550 m, 17.07.2001, AA 1624b, Hk.
- S. bicolor* Kotschy
Bitlis: Deliktaş village, brushwood, 1435 m, 03.07.2001, AA 1316; Saime hill, steppe, 1750 m, 18.06.2002, AA 2577, Ir.-Tur., T.
- S. calocephala* Boiss.
Bitlis: Tatlıkaynak village surrounding, humid places, 1550 m, 09.06.2002, AA 2493, Ir.-Tur., T.
- S. rotata* M. Bieb.
Bitlis: Ağaçköprü village surrounding, brushwood, 1850 m, 04.07.2001, AA 1375, Ir.-Tur., T.
- Pteroccephalus plumosus* (L.) Coult.
Bitlis: Nabat Mountain, steppe, 1800 m, 26.05.2002, AA 2380, T.
- P. pyrethriifolius* Boiss. & Hohen.
Bitlis: Kambos hill, rocky places, 1800 m, 05.07.2001, AA 1424. Bitlis: Kuriş hill, rocky places, 2000 m, 15.07.2001, AA 1541, Ir.-Tur., Ka.
- ASTERACEAE (COMPOSITAE)**
- **Helianthus annuus* L.
Bitlis: Ağaçköprü village surrounding, road edge, 1500 m, 26.07.2001, AA 1725, T.
- Xanthium spinosum* L.
Bitlis: Deliktaş village, steppe, 1450 m, 03.07.2001, AA 1314, Gen. yay., T.
- X. strumarium* L. subsp. *cavanillesii* (Schouw) D. Löve & P. Dansereau
Bitlis: Sarikonak village, steppe, 1550 m, 21.10.2001, AA 1820, T.
- Chrysophthalmum montanum* (DC.) Boiss.
Bitlis: S of Kambos hill, brushwood, 1800 m, 05.07.2001, AA 1480, Ir.-Tur., Ka.
- Inula salicina* L.
Bitlis: Şeyhhabib Mountain, steppe, 2200 m, 09.09.2002, AA 2876, Euro-Sib., Hk.
- I. oculus-christi* L.
Bitlis: north of Kambos hill, steppe, 2000 m, 30.08.2002, AA 1501, Euro-Sib., Hk.
- I. thapsoides* (M.Bieb. ex Willd.) Sprengel subsp. *australis* Grierson
Bitlis: slopes of Kuriş hill, brushwood, 1500 m, 15.07.2001, AA 1568, Hk.
- Pulicaria dysenterica* (L.) Bernh.
Bitlis: Narlıdere village, wet places, 1050 m, 25.08.2002, AA 1802, Hk.
- Phagnalon kotschyi* Sch. Bip. ex. Boiss.
Bitlis: Kambos Mountain, rocky places, 2200 m, 08.08.2001, AA 1764, Ka. Appr.: Kit Tan.
- Helichrysum plicatum* DC. subsp. *plicatum*
Bitlis: eastern slopes of Kambos Mountain, steppe, 2000 m, 05.07.2001, AA 1489, Ka.
- H. plicatum* DC. subsp. *pseudoplicatum* (Nábelek) P.H.Davis & Kupicha
Bitlis: Deliktaş district, steppe, 1435 m, 03.07.2001, AA 1295, Hk.
- H. arenarium* (L.) Moench subsp. *aucheri* (Boiss.) P.H.Davis & Kupicha
Bitlis: İçmeli village, steppe, 1500 m, 09.06.2002, AA 2489, END.?, Ir.-Tur., Ka.
- Filago pyramidata* L.
Bitlis: Aşağı Nabat hill, steppe, 1850 m, 25.05.2002, AA 2333a, T.
- Logfia arvensis* (L.) Holub
Siirt: Baykan town centre surrounding, steppe, 820 m, 08.05.2002, AA 2200, T.
- Bombycilaena erecta* (L.) Smoljan.
Bitlis: Aşağı Nabat hill, steppe, 1850 m, 25.05.2002, AA 2333b, T.
- Erigeron acer* L. subsp. *acer*
Bitlis: Zeydan district, steppe, 1550 m, 22.07.2001, AA 1625, Hk.
- Conyza canadensis* (L.) Cronquist
Bitlis: Kambos hill, steppe, 2000 m, 30.08.2002, AA 2807, T.
- Bellis perennis* L.
Siirt: Baykan town centre surrounding, meadow, 820 m, 08.04.2002, AA 1910, Hk.
- Senecio mollis* Willd.
Bitlis: Zeydan district, wet places, 1550 m, 22.07.2001, AA 1651, Ir.-Tur., Hk.
- S. eriospermus* DC. var. *eriospermus*
Bitlis: Döşkaya village, steppe, 1500 m, 18.06.2002, AA 2615, Ir.-Tur., Hk.
- S. othonnae* M. Bieb.
Bitlis: southern slopes of Şeyhhabib Mountain, steppe, 2200 m, 05.08.2002, AA 2753, Euro-Sib., Hk.
- S. vernalis* Waldst. & Kit Tan
Bitlis: Bitlis Castle, steppe, 1550 m, 15.05.2001, A 1142. Bitlis: Deliktaş district, brushwood, 1450 m, 30.05.2001, AA 1177, T.
- Tussilago farfara* L.
Bitlis: Sarikonak village, wet slopes, 1550 m, 23.04.2002, AA 2065, Euro-Sib., Hk.
- Eupatorium cannabinum* L.
Bitlis: Sarikonak village, steppe, 1650 m, 23.09.2001, AA 1796, Euro-Sib., Hk.
- Anthemis tinctoria* L. var. *tinctoria*
Bitlis: Ağaçköprü village surrounding, brushwood, 1850 m, 04.07.2001, AA 1393, Hk.
- A. tinctoria* L. var. *pallida* DC.
Bitlis: Ağaçköprü village district, steppe, 1450 m, 15.05.2001, AA 1156, Hk.
- A. coelopoda* Boiss. var. *bourgaei* Boiss.
Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003, Behçet 6840, T.
- A. austriaca* J.Jacq.
Bitlis: Tanrıyar village surrounding, open forest, 1200 m, 04.05.2003, AA 2955, T.
- A. wiedemanniana* Fisch. & C.A.Mey.
Bitlis: steppe, 1450 m, 20.04.2001, AA 1069, END., T.
- Achillea vermicularis* Trin.
Bitlis: northern slopes of Kambos hill, steppe, 2000 m, 05.07.2001, AA 1493, Ir.-Tur., Hk.
- A. millefolium* L. subsp. *pannonica* (Scheele) Hayek
Bitlis: Şeyhhabib Mountain, steppe, 2200 m, 09.09.2002, AA 2706, Euro-Sib., Hk.
- A. biebersteinii* Afan.
Bitlis: Bitlis Castle, steppe, 1550 m, 15.05.2001, AA 1129, Ir.-Tur., Hk.
- Tanacetum cilicium* (Boiss.) Grierson
Bitlis: Döşkaya village, steppe, 1500 m, 18.06.2002, AA 2627, Med., Hk.

T. balsamita L. subsp. *balsamitoides* (Sch.Bip.) Grierson

Bitlis: southern slopes of Şeyhhabib Mountain, steppe, 2200 m, 09.09.2002, AA 2707; slopes of Şikirin hill, steppe, 2550 m, 24.07.2001, AA 1678, Hk.

T. parthenium (L.) Sch.Bip.

Bitlis: Çayırköy district brushwood, 1550 m, 30.05.2001 AA 1203, Hk.

T. zahlbruckneri (Náb.) Grierson

Bitlis: İçmeli village, steppe, 1500 m, 09.06.2002, AA 2485, Ir.-Tur., Hk.

T. chiliophyllum (Fisch. & C.A.Mey.) Sch. Bip. var. *chiliophyllum*

Bitlis: western slopes of Kambos hill, steppe, 2000 m, 17.06.2002, AA 2519, Hk.

T. tomentellum (Boiss.) Grierson

Bitlis: Karınca village surrounding, rocky places, 1300 m, AA 1546, Hk. *Tripleurospermum oreades* (Boiss.) Rech.f. var. *tchihatchewii* (Boiss.) E.Hossain

Bitlis: around Köy Hizmetleri building, steppe, 1615 m, 15.05.2001, AA 1154, Hk.

T. transcaasicum (Manden.) Pobed.

Siirt: Baykan, Obalı village, meadow, 850 m, 16.03.2002, AA 1855, Hk.

Artemisia vulgaris L.

Bitlis: Şeyhhabib Mountain, steppe, 1700 m, 09.09.2002, AA 2883, T.

A. absinthium L.

Bitlis: Saime hill, steppe, 1800 m, 18.06.2002, AA 2619; eastern slopes of Kambos Mountain, steppe, 2000 m, 05.07.2001, AA 1443, Ka.

Gundelia tournefortii L. var. *tournefortii*

Bitlis: Nabat hill, steppe, 1750 m, 25.05.2002, AA 2385, Hk.

Cousinia aintabensis Boiss. & Hausskn.

Bitlis: Nabat Mountain, steppe, 1800 m, 26.05.2002, AA 2386, Ir.-Tur., Hk.

C. eriocephala Boiss. & Hausskn.

Bitlis: Sarıkonak village, steppe, 1550 m, 17.05.2002, AA 2576, END., Ir.-Tur., Hk.

Cirsium elodes M.Bieb.

Bitlis: Narlıdere village surrounding, wet places, 1150 m, 25.08.2001, AA 1806, Ir.-Tur., Hk.

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

Bitlis: around Köy Hizmetleri building, steppe, 1615 m, 03.07.2001, AA 1265, Hk.

Picnomon acarna (L.) Cass.

Bitlis: Kurudere village surrounding, roadsides, 1600 m, 25.08.2001, AA 1809, Med., T.

Notobasis syriaca (L.) Cass.

Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003, Behçet 6754, Med., T. Det.: M Vural.

Carduus pycnocephalus L. subsp. *breviphyllarius* P.H.Davis

Bitlis: Bitlis Castle, steppe, 1550 m, 15.05.2001, AA 1121, Ir.-Tur.?, Hk.

Serratula cerinthifolia (Sm.) Boiss.

Bitlis: Narlıdere village, rocky places, 1050 m, 16.07.2001, AA 1608, Ir.-Tur., Hk.

S. oligocephala DC.

Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1800 m, B 6757, END., Ir.-Tur., Hk.

Centaurea aggregata Fisch. & C.A.Mey. ex DC. subsp. *aggregata*

Bitlis: Direktaş village surrounding, steppe, 1550 m, 08.08.2001, AA 1758, Ka.

C. virgata Lam.

Bitlis: Deliktaş district, steppe, 1450 m, 03.07.2001, AA 1285, Ka.

C. saligna (K.Koch) Wagenitz

Bitlis: Nabat hill, steppe, 2000 m, 24.07.2001, AA 1663, END., Ir.-Tur., Hk.

C. spectabilis (Fisch. & C.A.Mey.) Sch.Bip. var. *spectabilis*

Bitlis: Deliktaş district, steppe, 1450 m, 03.07.2001, AA 1344, Ir.-Tur., Hk.

C. spectabilis (Fisch. & C.A.Mey.) Sch.Bip. var. *araneosa* (Boiss.) Wagenitz

Bitlis: Deliktaş district, steppe, 1450 m, 03.07.2001, AA 1285, Hk.

C. behen L.

Bitlis: Karınca village surrounding, streasides, 1600 m, 15.07.2002, AA 1570, Ir.-Tur., Hk.

C. solstitialis L. subsp. *solstitialis*

Bitlis: Deliktaş district, steppe, 1450 m, 03.07.2001, AA 1356, T.

C. iberica Trev. ex Sprengel

Bitlis: MYO surrounding, brushwood, 1650 m, 15.05.2001, AA 1146, Hk.

C. urvillei DC. subsp. *nimrodus* (Boiss. & Hausskn.) Wagenitz

Bitlis: Aşağı Nabat hill, steppe, 1800 m, 25.05.2002, AA 2349, Ir.-Tur., Hk.

C. persica Boiss.

Bitlis: Deliktaş district, steppe, 1450 m, 03.07.2001, AA 1285, Ir.-Tur., Hk.

C. triumfettii All.

Bitlis: Place for dumping garbage and its surroundings, steppe, 1450 m, 20.04.2001, AA 1088. Siirt: Baykan, Yarımca village surrounding, steppe, 1200 m, 15.04.2002, AA 2004, Hk.

Zoegea leptaura L.

Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003 Behçet 6772, Ir.-Tur., T.

Crupina vulgaris Cass.

Bitlis: Ağaçköprü village, steppe, 1450 m, 04.07.2001, AA 1418, T.

C. crupinastrum (Moris) Vis.

Bitlis: Aşağı Nabat hill, steppe, 1750 m, 25.05.2002, AA 2322, T.

Cnicus benedictus L. var. *benedictus*

Siirt: Baykan Obalı village Çemçavuş district, meadow, 850 m, 07.05.2002, AA 2160, , T.

Carthamus lanatus L.

Bitlis: Tanrıyar village surrounding, steppe, 1200 m, 05.08.2002, AA 2754, T.

Xeranthemum annuum L.

Bitlis: northern slopes of Kambos Mountain, steppe, 1540 m, 05.07.2001, AA 1457; Deliktaş surrounding, steppe, 1435 m, 03.07.2001, AA 1323, T.

Siebera pungens (Lam.) J.Gay

Bitlis: Ağaçköprü village, steppe, 1450 m, 08.08.2001, AA 1767, Ir.-Tur., T.

Chardinia orientalis (L.) Kuntze

Siirt: Baykan, Obalı village Çemçavuş district, steppe, 850 m, 07.05.2002, AA 2155, Ir.-Tur., T.

Echinops pungens Trautv. var. *pungens*

Bitlis: Sarıkonak village, steppe, 1550 m, 08.08.2002, AA 2828, Ir.-Tur., Hk.

E. pungens Trautv. var. *adenocladus* Hedge

Bitlis: Direktaş village, steppe, 1550 m, 08.08.2001, AA 1757, END. Ir.-Tur., Hk.

- Cichorium intybus* L.
Bitlis: eastern slopes of Kambos Mountain, steppe, 2000 m, 05.07.2002, AA 1509, Ir.-Tur., Hk.
- Scorzonera cana* (C.A.Mey.) Hoffm. var. *jacquiniana* (W.Koch) D.F.Chamb.
Bitlis: Alaniçi village surrounding, steppe, 950 m, 01.07.2002, AA 2638, Hk.
- S. mollis* M.Bieb. subsp. *mollis*
Bitlis: Berge hill, open forest, 1570 m, 30.04.2002, AA 2101, Kr.
- S. semicana* DC.
Siirt: Baykan, Obalı village surrounding, open forest, 850 m, 07.05.2002, AA 2171, END.?, Ir.-Tur., Kr.
- S. latifolia* (Fisch. & C.A.Mey.) DC.
Bitlis: northern slopes of Kambos hill, rocky places-steppe, 2000 m, 30.08.2002, AA 2786, Ir.-Tur., Ka.
- S. veratrifolia* Fenzl
Bitlis: Kambos Mountain, brushwood, 1900 m, 05.07.2001, AA 1483, Ir.-Tur., Hk.
- Tragopogon longirostris* Bisch. ex Sch. Bip. var. *longirostris*
Bitlis: Tanrıyar village surrounding, open forest, 1600 m, 04.05.2003, AA 2962, Hk.
- Leontodon crispus* Vill. subsp. *asper* (Waldst. & Kit Tan) Rohl. var. *setulosus* (E.C.Hall) Kupicha
Bitlis: Deliktaş surrounding, steppe, 1435 m, 03.07.2001, AA 1315, Hk.
- Picris strigosa* M.Bieb.
Bitlis: Nabat Mountain, steppe, 1900 m, 24.07.2002, AA 1686, Ir.-Tur., Hk.
- P. pauciflora* Willd.
Bitlis: İçmeli village district, steppe, 1500 m, 26.05.2002, AA 2375; Kalem Mountain, Doğanlı village surrounding, steppe, 1800 m, 06.06.2003, Behçet 6816, Med., T.
- P. kotschy* Boiss.
Siirt: Baykan, town surrounding, steppe, 820 m, 08.05.2002, AA 2190. Bitlis: Nabat hill, steppe, 1750 m, 25.05.2002, AA 2383, T.
- Hedypnois cretica* (L.) Dum.Cours.
Siirt: Baykan town, Obalı village surrounding, steppe, 850 m, 07.05.2002, AA 2158, Med., T.
- Rhagadiolus stellatus* (Gaertner) var. *leiocarpus* DC.
Bitlis: Kalem Mountain, Doğanlı village surrounding, open forest, 1900 m, 06.06.2003, AA 3004, Med., T.
- R. stellatus* (Gaertner) var. *edulis*
Bitlis: Sarıkonak village district, open forest, 1550 m, 23.04.2002, AA 2073, T.
- R. angulosus* (Jaub. & Spach) Kupicha
Siirt: Baykan, Obalı village, steppe, 850 m, 07.05.2002, AA 2154, Ir.-Tur., T.
- Sonchus asper* (L.) Hill subsp. *glaucescens* (Jordan) Ball
Bitlis: Alaniçi village surrounding, wet places, 950 m, 14.04.2002, AA 1945, Hk.
- S. oleraceus* L.
Bitlis: Deliktaş surrounding, brushwood, 1435 m, 03.07.2001, AA 1327, Hk.
- Reichardia glauca* Matthews
Bitlis: Ağaçköprü village, steppe, 1450, 01.08.2001, AA 1739, Ir.-Tur., Hk.
- Hieracium umbellatum* L.
Bitlis: Şeyhhabib Mountain, steppe, 2000 m, 09.03.2002, AA 2914, Hk.
- Pilosella x fallax* (Willd.) Arv.-Touv.
Bitlis: around Köy Hizmetleri building, steppe, 1615 m, 01.07.2001, AA 2671; Ağaçköprü village, steppe, 1450 m, 04.07.2001, AA 1408, Hk.
- Cicerbita mulgedioides* (Sch.Bip. ex Vis. & Pancik) Beauverd
Bitlis: Ağaçköprü village, brushwood, 1450 m, 25.05.2002, AA 2363, Hk.
- Cephalorrhynchus rechingeranus* Tuisl
Bitlis: Sarıkonak village, steppe, 1550 m, 18.06.2002, AA 2599, Ir.-Tur., Kr.
- Steptorhampus tuberosus* (Jacq.) Grossh.
Bitlis: Kalem Mountain, Doğanlı village surrounding, open forest, 1900 m, 06.06.2003, AA 3005, Kr.
- Lactuca georgica* Grossh.
Bitlis: northern slopes of Kambos hill, rocky places-steppe, 2000 m, 30.08.2002, AA 2800a; Karınca village surrounding, rocky places, 1600 m, 15.07.2001, AA 1543, H.-Eux., Hk.
- L. serriola* L.
Bitlis: northern slopes of Kambos hill, steppe, 2000 m, 30.08.2002, AA 2800b, Euro-Sib., Hk.
- Scariola viminea* (L.) F.W.Schmidt
Bitlis: Kambos Mountain, steppe, 2100 m, 08.08.2001, AA 1760, Ka.
- Lapsana communis* L. subsp. *intermedia* (M.Bieb.) Hayek
Bitlis: Sarıkonak village, open forest, 1550 m, 17.05.2002, AA 2251, Hk.
- Taraxacum montanum* (C.A.Meyer) DC.
Bitlis: around Karıncalı Karakol, steppe, 1400 m, 15.07.2002, AA 1569, Hk.
- T. crepidiforme* DC. subsp. *crepidiforme*
Siirt: Baykan town surrounding, meadow, 820 m, 30.03.2002, AA 1882, Ir.-Tur., Hk.
- T. scaturiginosum* G.E.Haglund
Bitlis: Seferbey district., steppe, 1550 m, 03.06.2002, AA 2458, Hk.
- Crepis pulchra* L. subsp. *pulchra*
Bitlis: eastern slopes of Kambos Mountain, steppe, 2000 m, 17.06.2002, AA 2524, Hk.
- C. alpina* L.
Bitlis: Sarıkonak village, steppe, 1550 m, 17.05.2002, AA 2252, T.
- C. foetida* L. subsp. *foetida*
Siirt: Baykan Obalı village, Çemçavuş district, meadow, 850 m, 16.03.2002, AA 1835, Hk.
- C. foetida* L. subsp. *rhoeadifolia* (M.Bieb.) Celak.
Bitlis: Şetek village, steppe, 1600 m, 05.08.2001, AA 1773; Şeyhhabib Mountain, steppe, 1700 m, 09.09.2002, AA 2899, T.
- C. foetida* L. subsp. *commutata* (Spreng.) Babç.
Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003, Behçet 6866, T.
- C. sancta* (L.) Babç. subsp. *obovata*
Bitlis: southern slopes of Torek Mountain, steppe, 1700 m, 17.05.2002, AA 2236, T.

CAMPANULACEAE

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

Bitlis: Kambos Mountain, brushwood, 1900 m, 17.06.2002, AA 2546, Euro-Sib., Hk.

C. involucrata Aucher ex A.DC.

Bitlis: İçmeli village surrounding, steppe, 1500 m, 25.05.2002, AA 2359, Ir.-Tur., Hk.

C. sclerotricha Boiss.

Bitlis: around Köy Hizmetleri building, wet places, 1615 m, 22.07.2001, AA 1643, Ir.-Tur., Hk.

C. stricta L. var *stricta*

Bitlis: Dörtağaç village, brushwood, 1700 m, 02.07.2002, AA 2691, Ir.-Tur., Ka.

C. reuterana Boiss. & Ball

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6843, Ir.-Tur., T.

C. stevenii M.Bieb. subsp. *stevenii*

Bitlis: Değirmenaltı village, steppe, 1700 m, 03.06.2002, AA 2455, H. Eux., Hk.

C. stevenii M.Bieb. subsp. *beauverdiana* (Fomin) Rech.f. & Schiman-Czeika

Bitlis: Dörtağaç village, steppe, 1700 m, 03.06.2002, AA 2439, Ir.-Tur., Hk.

C. flaccidula Vakte

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6865, T.

Asyneuma amplexicaule (Willd.) Hand.-Mazz. subsp. *amplexicaule*

Bitlis: Kambos Mountain, steppe, 1880 m, 05.07.2001, AA 1523, Hk.

A. limonifolium (L.) Janch. subsp. *limonifolium*

Bitlis: eastern slopes of Kambos hill, steppe, 1850 m, 05.07.2003, AA 1523, Hk.

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

Bitlis: around Köy Hizmetleri building, wet places, 1615 m, 22.07.2001, AA 1641, Ir.-Tur., Hk.

A. pulchellum (Fisch. & C.A.Mey.) Bornm.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6750, Ir.-Tur., Hk.

Legousia falcata (Ten.) Fritsch

Bitlis: slopes of Şikirin hill, steppe, 2300 m, 25.05.2002, AA 2326, Med., T.

L. speculum-veneris (L.) Chaix

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6857, Med., T.

L. pentagonia (L.) Thell.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6858, E. Med., T.

PRIMULACEAE

Primula auriculata Lam.

Bitlis: Kambos Mountain, streamsides, 1800 m, 17.06.2002, AA 2557, Ir.-Tur.?, Kr.

Lysimachia vulgaris L.

Siirt: Baykan, Obalı village surrounding, streamsides, 850 m, 08.08.2002, AA 2810, Hk.

L. dubia Sol.

Bitlis: Kurudere village surrounding, humid places, 1200 m, 16.07.2001, AA 1595, E. Med., T.

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

Bitlis: İçmeli village surrounding, rocky places, 1500 m, 09.06.2002, AA 2489, T.

OLEACEAE

Fraxinus angustifolia Vahl subsp. *angustifolia*

Bitlis: Sarıkonak village surrounding, forest, 1650 m, 08.08.2002, AA 2823, Fa.

F. angustifolia Vahl subsp. *syriaca* (Boiss.) Yalt.

Bitlis: Nabat Mountain, steppe, 1800 m, 24.07.2001, AA 1720, Ir.-Tur., Fa.

ASCLEPIADACEAE

Vincetoxicum troleum Boiss.

Bitlis: Kambos hill surrounding, brushwood, 1820 m, 05.07.2001, AA 1464, Ir.-Tur., Hk.

Cionura erecta (L.) Griseb.

Bitlis: slopes of Kambos hill, brushwood, 1840 m, 05.07.2001, AA 1461; Sarıkonak village surrounding, brushwood, 1550 m, 21.10.2001, AA 1814, E. Med., Fa.

GENTIANACEAE

Blackstonia perfoliata (L.) Huds. subsp. *serotina* (W.Koch & Reichb.) Vollm.

Bitlis: Narlıdere village surrounding, wet places, 1200 m, 16.07.2001, AA 1607, T.

Centaurium erythraea Rafn subsp. *erythraea*

Bitlis: Narlıdere village surrounding, wet places, 1200 m, 16.07.2001, AA 1599, T.

C. erythraea Rafn subsp. *rumelicum* (Velen) Melderis

Bitlis: around Municipal building, streamsides, 1670 m, 02.07.2002, AA 2686, Med., T.

Gentiana olivieri Griseb.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6790, Ir.-Tur., Hk.

CONVOLVULACEAE

Convolvulus lineatus L.

Bitlis: Şeyhhabib Mountain, rocky places, 1850 m, 05.08.2002, AA 2736, Ka.

C. arvensis L.

Bitlis: Kambos hill, steppe, 1840 m, 05.07.2001, AA 1497; Saime hill, steppe, 1800 m, 18.06.2002, AA 2594, Hk.

C. galaticus Rostan ex Choisy

Bitlis: İçmeli village surrounding, steppe, 1450 m, 24.07.2001, AA 1690, END. Ir.-Tur., Ka.

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

Bitlis: Şeyhhabib Mountain, brushwood-steppe, 1600 m, 05.08.2002, AA 2760, Ir.-Tur., Hk.

Calystegia silvatica (Kit Tan) Griseb.

Bitlis: slopes of Kambos Mountain, wet places, 1830 m, 05.07.2001, AA 1441, Hk.

CUSCUTACEAE

Cuscuta campestris Yunck.

Bitlis: Sarıkonak village, steppe, 1650 m, 08.08.2002, AA 2830, T. This species grows on *Galium verum* subsp. *glabrescens*.

C. planiflora Ten.

Bitlis: Kambos hill, steppe, 1800 m, 05.07.2001, AA 1445, T. This species grows on *Veronica orientalis* subsp. *orientalis*.

C. monogyna Vahl subsp. *monogyna*

Bitlis: southern slopes of Şeyhhabib Mountain, wet places, 1600 m, 05.08.2002, AA 2755, T. This subspecies grows on *Agrimonia eupatoria*.

BORAGINACEAE

***Heliotropium circinatum* Griseb.**

Bitlis: Narlıdere village surrounding, roadsides, 1050 m, 06.08.2001, AA 1742, Ir.-Tur., T.

***H. dolosum* De Not.**

Bitlis: Deliktaş village surrounding, steppe, 1435 m, 03.07.2001, AA 1289, T.

***Asperugo procumbens* L.**

Bitlis: around Yenice Karakol, steppe, 900 m, 14.04.2002, AA 1918, Euro-Sib., T.

***Myosotis stricta* Link ex Roem. & Schult.**

Bitlis: around limestone quarry, steppe, 1450 m, 15.05.2001, AA 1167, Euro.-Sib., T.

***M. sparsiflora* Mikan ex Pohl**

Bitlis: Tanrıyar village surrounding, moist places, 1000 m, 22.04.2002, AA 2036, Euro-Sib., T.

***M. amoena* (Rupr.) Boiss.**

Bitlis: Bitlis Castle, steppe, 1560 m, 15.05.2001, AA 1143, Eu., Hk.

***Paracaryum cristatum* (Schreb.) Boiss. subsp. *carduchorum* R.R.Mill**

Bitlis: A. Nabat Mountain, steppe, 1700 m, 26.05.2002, AA 2416, Ir.-Tur., Hk.

***Lithospermum officinale* L.**

Bitlis: Kambos hill, rocky places, 2000 m, 17.06.2002, AA 2540, Euro.-Sib., Hk.

***Buglossoides arvensis* (L.) Johnston**

Bitlis: Taş district, moist places, 1550 m, 09.04.2001, AA 1039; Deliktaş village surrounding, steppe, 1450 m, 30.04.2002, AA 2118, T.

Onosma albo-roseum* Fisch. & C.A.Mey. subsp. *roseum

Siirt: Baykan, Obalı village surrounding, brushwood, 820 m, 30.03.2002, AA 1871, Hk.

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

Bitlis: around Köy Hizmetleri building, steppe, 1610 m, 15.05.2001, AA 1164, Hk.

***Symphytum kurdicum* Boiss. & Hausskn.**

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6801, Ir.-Tur., Hk.

***Anchusa leptophylla* Roem. & Schult. subsp. *incana* (Ledeb.) D.F.Chamb.**

Bitlis: around Municipal building, steppe, 1670 m, 02.07.2002, AA 2682, END., Ir.-Tur.?, Hk.

***A. limbata* Boiss. & Heldr.**

Siirt: Baykan town, Obalı village, Çemçavuş district, steppe, 850 m, 30.03.2002, AA 1868, E. Med., Hk.

***Nonea ventricosa* (Sm.) Griseb.**

Siirt: Baykan town surrounding, open forest, 810 m, 16.03.2002, AA 1839, Med., T.

Alkanna orientalis* (L.) Boiss. var. *orientalis

Bitlis: around Köy Hizmetleri building, steppe, 1610 m, 03.07.2001, AA 1258, Ir.-Tur., Hk.

***A. froedinii* Rech.f.**

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6809, END., Ir.-Tur., Hk.

***A. kotschyana* DC.**

Bitlis: Yamköy village surrounding, steppe, 1500 m, 20.04.2001, AA 1111, END. E. Med., Hk.

***Trichodesma incanum* (Bunge) A.DC.**

Bitlis: Karınca village surrounding, steppe, 1600 m, 01.07.2002, AA 2647, Ir.-Tur., Hk.

SOLANACEAE

***Solanum alatum* Moench**

Bitlis: Deliktaş village, wet fields, 1435 m, 03.07.2001, AA 1331b, T.

***S. dulcamara* L.**

Bitlis: Deliktaş village, wet places, 1435 m, 03.07.2001, AA 1331a. Siirt: Baykan town YİBO surrounding, wet places, 815 m, 30.03.2002, Euro.-Sib., Hk.

***Physalis alkekengi* L.**

Bitlis: Sarıkonak village surrounding, open forest, 1650 m, 08.08.2002, AA 2826, Kr.

***Hyoscyamus reticulatus* L.**

Bitlis: Kambos hill surrounding, steppe, 1800 m, 05.07.2001, AA 1494, Ir.-Tur., T.

SCROPHULARIACEAE

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

Bitlis: Tanrıyar village surrounding, brushwood, 1200 m, 04.05.2003, AA 2958, E. Med., T.

***V. bornmuellerianum* Hub.-Mor.**

Bitlis: Doğanlı village, Kalem Mountain, steppe, 1800 m, 06.06.2003, AA 3013, Ir.-Tur., Hk.

V. oreophilum* K.Koch var. *oreophilum

Bitlis: Şeyhhabib Mountain, brushwood, 2000 m, 09.09.2002, AA 2837, END., Ir.-Tur., Hk.

***V. murbeckianum* Hub.-Mor.**

Bitlis: Doğanlı village, Kalem Mountain, brushwood, 1900 m, 06.06.2003, AA 3014, END., Ir.-Tur., Hk.

***V. kurdicum* Hub.-Mor.**

Bitlis: İçmeli village surrounding, steppe, 1510 m, 25.05.2002, AA 2342, END., Ir.-Tur., Ka.

***Scrophularia ilwensis* K.Koch**

Bitlis: İçmeli village, steppe, 1510 m, 24.07.2001, AA 1716, Ir.-Tur., T.

***S. nachitschevanica* Grossh.**

Siirt: Baykan Obalı village surrounding, rocky places, 830 m, 07.05.2002, AA 2128, Ir.-Tur., T.

***S. cinerascens* Boiss.**

Bitlis: Yamaköy village surrounding, brushwood, 1510 m, 20.04.2001, AA 1113, Hk.

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

Bitlis: Alaniçi village surrounding, humid places, 950 m, 15.04.2002, AA 1950, Ir.-Tur., Hk.

***Anarrhinum orientale* Benth.**

Bitlis: slopes of Kambos Mountain, steppe, 1620 m, 05.07.2001, AA 1463; Şetek village surrounding, rocky places, 1500 m, 05.10.2001, AA 1768, Ir.-Tur., Hk.

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

Bitlis: Tanrıyar village surrounding, open forest, 1200 m, 04.05.2003, AA 2960, E. Med., T.

L. kurdica* Boiss. & Hohen. subsp. *kurdica

Bitlis: Şeyhhabib Mountain, rocky places, 2100 m, 05.08.2002, AA 2737, Ir.-Tur., Ka.

***L. confertiflora* Benth.**

Bitlis: Tanrıyar village surrounding, streasides, 1400 m, 05.08.2002, AA 2758, END., Ir.-Tur., Ka.

L. simplex (Willd.) DC.

Bitlis: Tanrıyar village surrounding, open forest, 1200 m, 04.05.2003, AA 2961, Med.?, T.

L. pelisseriana (L.) Mill.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6786, Med., T.

Veronica bozakmanii M.A.Fisch.

Bitlis: around Agricultural Directorate building, steppe, 1615 m, 09.04.2001, AA 1027, Ir.-Tur., T.

V. syriaca Roem. & Schult.

Bitlis: around Industrial Site, humid places, 1530 m, 29.04.2002, AA 2097, E. Med., T.

V. viscosa Boiss.

Bitlis: Tanrıyar village surrounding, moist areas, 1200 m, 04.05.2003, AA 2957, Ir.-Tur., T.

V. cf. arvensis L.

Bitlis: Bitlis Castle, steppe, 1550 m, 15.05.2001, AA 1126a, Euro-Sib., T.

V. biloba Schreb.

Bitlis: around Köy Hizmetleri building, meadow, 1650 m, 15.05.2001, AA 1158, Ir.-Tur., T.

V. intercedens Bornm.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6864, Ir.-Tur., T.

V. polita Fr.

Siirt: Baykan town surrounding, meadow, 810 m, 16.03.2002, AA 1824, T.

V. persica Poir.

Siirt: Baykan Obalı village surrounding, meadow, 850 m, 16.03.2002, AA 1856, T.

V. cymbalaria Bodard

Bitlis: Alaniçi village surrounding, wet places, 950 m, 04.05.2003, AA 2936a, Med., T.

V. triloba (Opiz) Kerner

Bitlis: Alaniçi village surrounding, wet places, 950 m, 04.05.2003, AA 2936b, T.

V. hederifolia L.

Siirt: southern of Baykan town, meadow, 810 m, 16.03.2002, AA 1831b, T.

V. anagallis-aquatica L.

Bitlis: Tanrıyar village surrounding, streamsides, 1200 m, 04.05.2003, AA 1930, Kr.

V. michauxii Lam.

Bitlis: Narlıdere village surrounding, humid places, 1200 m, 16.07.2001, AA 1600, Ir.-Tur., T.

V. anagalloides Guss.

Bitlis: Karınca village surrounding, wet places, 1500 m, 15.07.2001, AA 1554, T.

V. beccabunga L.

Bitlis: Şeyhhabib Mountain, brushwood, 1800 m, 25.07.2002, AA 2915, Kr.

V. orientalis Mill. subsp. *orientalis*

Bitlis: Deliktaş village surrounding, brushwood, 1510 m, 30.05.2001, AA 1182, Ka.

Euphrasia pectinata Ten.

Bitlis: around Municipal building, moist places, 1670 m, 02.07.2002, AA 2687, Euro-Sib., T.

Odontites aucheri Boiss.

Bitlis: southern slopes of Nabat Mountain, 1850 m, 24.07.2001, AA 1674, Ir.-Tur., T.

Parantucellia viscosa (L.) Caruel

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, AA 3006, Med., T.

Bungea trifida (Vahl) C.A.Mey.

Bitlis: slopes of Saime hill, steppe, 1800 m, 18.06.2002, AA 2584, Hk.

OROBANCHACEAE**Orobanche ramosa** L.

Bitlis: Sarıkonak village surrounding, steppe, 1650 m, 01.09.2001, AA 1788, T.

O. aegyptiaca Pers.

Bitlis: Direktaş village surrounding, steppe, 1550 m, 17.07.2001, AA 1618, T.

O. minor Sm.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6819, T.

O. kurdica Boiss. & Hausskn.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6785, Ir.-Tur., T.

O. anatolica Boiss. & Reut.

Bitlis: Karınca village surrounding, steppe, 1600 m, 01.07.2002, AA 2650, T.

ACANTHACEAE**Acanthus dioscoridis** L. var. *dioscoridis*

Bitlis: Şeyhhabib Mountain, brushwood-rocky places, 1600 m, 25.07.2002, AA 2709; Deliktaş village surrounding, brushwood, 1440 m, 03.07.2001, AA 1345, Hk.

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

Bitlis: Berge hill, open forest, 1550 m, 30.04.2002, AA 2109; Saime hill, rocky places, 1800 m, 18.06.2002, AA 2605, Ka.

G. dumulosa O.Schwarz

Siirt: Yarımca village surrounding, steppe, 1200 m, 14.04.2001, AA 1991, END., E. Med. (mt.), Ka.

VERBENACEAE**Verbena officinalis** L.

Bitlis: Şetek village, humid places, 1550 m, 05.10.2001, AA 1777, Hk.

LAMIACEAE (LABIATAE)**Ajuga chamaepitys** (L.) Schreb. subsp. *chia* (Schreb.) Arcang. var. *chia*

Bitlis: Bitlis Castle, steppe, 1550 m, 22.07.2001, AA 1630, Hk.

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

Brig.

Bitlis: around Köy Hizmetleri building, steppe, 1650 m, 03.06.2002, AA 2450, Hk.

Teucrium orientale L. var. *puberulens* Ekim

Bitlis: Dörtağaç village, steppe, 1700 m, 01.07.2002, AA 2678, Ir.-Tur., Hk.

T. orientale L. var. *glabrescens* Hausskn. ex Bornm.

Bitlis: Şeyhhabib Mountain, brushwood, 1800 m, 25.07.2002, AA 2732, Ir.-Tur., Ka.

T. scordium L. subsp. *scordioides* (Schreb.) Maire et Petitm.

Bitlis: Sarıkonak village, humid places, 1650 m, 01.09.2001, AA 2787, Euro-Sib, Ka.

T. chamaedrys L. subsp. *sypsiense* (K.Koch) Rech.f.

Bitlis: Kalem Mountain, steppe, 1900 m, 06.06.2003, Behçet 6792, Ir.-Tur., Ka.

T. chamaedrys L. subsp. *sinuatum* (Celak.) Rech.f.

Bitlis: Deliktaş surrounding, brushwood, 1440 m, 03.07.2001, AA1307, Ir.-Tur., Ka.

T. polium L.

Bitlis: around Köy Hizmetleri building, steppe, 1610 m, 03.07.2001, AA 1275.
Bitlis: Direktaş village, steppe, 1550, 06.08.2001, AA 1759, Ka.

Scutellaria megalaspis Rech.f.

Bitlis: Döşkaya village, steppe, 1550 m, 18.06.2002, AA 2622; southern slopes of Kambos Mountain, steppe, 1800 m, 04.07.2001, AA 1428, Ir.-Tur., Ka.

S. orientalis L. subsp. *orientalis*

Bitlis: Kambos Mountain, steppe, 1800 m, 25.05.2002, AA 2330, Ir.-Tur., Ka.

S. orientalis L. subsp. *sosnowskyi* (Takht.) Fed.

Siirt: Baykan town surrounding, steppe, 800 m, 30.04.2002, AA 2130, Ir.-Tur., Ka.

S. orientalis L. subsp. *bornmuelleri* (Housskn. ex Bornm.) J.R.Edm.

Bitlis: Şikirin hill, steppe, 2500 m, 13.08.2002, AA 2771; Döşkaya village, steppe, 1500 m, 18.06.2002, AA 2570, Ir.-Tur., Ka.

S. albida L. subsp. *colchica* (Rech.f.) J.R.Edm.

Bitlis: Kalem Mountain, open forest, 2000 m, 06.06.2003, Behçet 6841, Ka.

Phlomis lanceolata Boiss. & Hoken

Bitlis: Ağaçköprü surrounding, brushwood, 1450 m, 04.07.2001, AA 1394, Ir.-Tur., Ka.

P. kurdica Rech.f.

Bitlis: Deliktaş surrounding, steppe, 1440 m, 03.07.2001, AA 1298, Ir.-Tur., Ka.

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

Bitlis: Sarıkonak village, open forest, 1600 m, 23.04.2002, AA 2047, Hk.

L. amplexicaule L.

Siirt: Baykan, Yarımca village surrounding, brushwood, 1000 m, 14.04.2002, AA 1939, Euro-Sib., T.

L. macrodon Boiss. & Huet

Bitlis: Berge hill, open forest, 1550 m, 23.04.2002, AA 2099, Ir.-Tur., T.

L. album L.

Bitlis: place for dumping garbage and its surroundings, brushwood, 1450 m, 20.04.2001, AA 1087, Euro-Sib., Hk.

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

Bitlis: Karınca village surrounding, steppe, 1600 m, 01.07.2002, AA 2657; eastern slopes of Kambos hill, steppe, 1560 m, 05.07.2001, AA 1521, Ir.-Tur., Hk.

M. astracanicum J.Jacq. subsp. *astracanicum*

Bitlis: Döşkaya village, steppe, 1500 m, 18.06.2002, AA 2568, Hk.

Sideritis libanotica Labill. subsp. *kurdica* (Bornm.) Hub.-Mor.

Bitlis: Şeyhhabib Mountain, brushwood, 1700 m, 25.07.2002, AA 2727; Ağaçköprü village, steppe, 1350 m, 04.07.2001, AA 1410, Ir.-Tur., Hk.

Stachys lavandulifolia Vahl var. *lavandulifolia*

Bitlis: Döşkaya village, steppe, 1500 m, 18.06.2002, AA 2571; Yumurtatepe surrounding, steppe, 1650 m, 03.06.2002, AA 2456, Ir.-Tur., Ka.

S. lavandulifolia Vahl var. *brachyodon* Boiss.

Bitlis: south-western slopes of Kambos hill, steppe, 1660 m, 05.07.2001, AA 1533, Ir.-Tur., Ka.

S. spectabilis Choisy ex. DC.

Bitlis: Berge hill, humid places, 1500 m, 01.08.2001, AA 1738; Sarıkonak village, humid places, 1650 m, 01.09.2001, AA 1790b, Ir.-Tur., Hk.

S. palustris L.

Bitlis: İçmeli village surrounding, steppe, 1450 m, 14.07.2001, AA 2688, Ka.

S. laetivirens Kotschy & Boiss. ex Rech.f.

Bitlis: south-eastern slopes of Kambos Mountain, steppe, 1440 m, 05.08.2001, AA 1458; Kalem Mountain, Doğanlı village surrounding, open forest, 1900 m, 06.06.2003, Behçet 6784b, END., Ir.-Tur., Ka.

S. iberica M. Bieb. subsp. *georgica* Rech.f.

Bitlis: Tabanözü district, steppe, 1900 m, 13.08.2002, AA2770; Saime hill, steppe, 1800 m, 18.06.2002, Ir.-Tur., Ka.

S. annua (L.) L. subsp. *annua* var. *lycaonia* Bahattacharjee

Bitlis: around Köy Hizmetleri building, steppe, 1650 m, 02.07.2001, AA 2670; Nabat Mountain, steppe, 1800 m, 26.05.2002, AA 2402. Ir.-Tur., Ka.

S. saturooides Montbret & Aucher ex Benth.

Bitlis: Nabat hill, open forest, 1750 m, 25.05.2002, AA 2319, Ir.-Tur., Ka.

Melissa officinalis L. subsp. *officinalis*

Bitlis: southern slopes of Kambos Mountain, brushwood, 1630 m, 05.07.2001, AA 1453, Ka.

Nepeta italica L.

Bitlis: Aşağınabat Mountain, open forest, 1750 m, 25.05.2002, AA 2318; Yenice village surrounding, humid places, 900 m, 09.06.2002, AA 2498, Ka.

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

Bitlis: Şeyhhabib Mountain, brushwood, 1700 m, AA 2726, Ka.

N. transcaucasica Grossh.

Bitlis: Kambos hill, steppe, 1380 m, 05.07.2001, AA 1510; Dörtağaç village, steppe, 1700 m, 03.06.2002, AA 2441. Bitlis: Kurudere village surrounding, steppe, 1100 m, 01.07.2002, AA 2641 Ir.-Tur., Hk.

N. trachonitica Post

Bitlis: Kalem Mountain, open forest, 2000 m, 06.06.2003, AA 2984, Ir.-Tur., Hk.

N. fissa C.A.Mey.

Bitlis: summit of Kambos Mountain, steppe, 2300 m, 08.08.2001, AA 1754; Kambos Mountain, steppe, 2000 m, 30.08.2002, AA 2787, Ir.-Tur., Ka.

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

Bitlis: Çayırköy district, brushwood, 1570 m, 30.05.2001, AA 1199; Kalem Mountain, open forest, 06.06.2003, AA 2983, Ir.-Tur., T.

L. iberica (M.Bieb.) Fisch. & C.A.Mey.

Siirt: Baykan town surrounding, brushwood, 850 m, 08.05.2002, AA 2180, T.

Prunella vulgaris L.

Bitlis: Şeyhhabib Mountain, humid places, 2000 m, 09.03.2002, AA 2893, Hk.

P. orientalis Bornm.

Bitlis: Sarıkonak village surrounding, humid places, 1600 m, 15.07.2001, AA 1562, Hk.

Origanum acutidens (Hand.-Mazz.) Ietsw.

Bitlis: Deliktaş district, brushwood, 1435 m, 30.05.2001, AA 1179, END.?, Ir.-Tur., Ka.

O. vulgare L. subsp. *gracile* (K.Koch) Ietsw.

Bitlis: around Köy Hizmetleri building, steppe, 1610 m, 03.07.2001, AA 1253; Değirmenaltı village surrounding, steppe, 1700 m, 02.07.2002, AA 2674, Ir.-Tur., Hk.

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

Bitlis: Sarıkonak village, steppe, 1550 m, 15.07.2001, AA 1571, Ka.

Micromeria myrtifolia Boiss. & Hohen

Bitlis: Alaniçi village surrounding, rocky places, 950 m, 09.06.2002, AA 2476, Med., Hk.

Acinos rotundifolius Pers.

Bitlis: Çayırköy district, steppe, 1510 m, 30.05.2001, AA 1207, T.

Thymus fallax Fisch. & C.A.Mey.

Bitlis: Kambos Mountain, rocky places, 2100 m, 30.08.2002, AA 2795; Saime hill, steppe, 1800 m, AA 2618, Ir.-Tur., Ka.

T. transcaucasicus Ronniger

Bitlis: Tatlıkaynak district, rocky places, 1500 m, 09.06.2002, AA 2483, Ka.

T. kotschyanus Boiss. & Hohen. var. *eriophorus* (Ronniger) Jalas

Bitlis: Şeyhhabib Mountain, rocky places, 2200 m, 09.09.2002, AA 2881, Ir.-Tur. Ka.

T. kotschyanus Boiss. & Hohen. var. *kotschyanus*

Bitlis: Şeyhhabib Mountain, rocky places, 1800 m, 05.08.2002, AA 2734, Ir.-Tur., Ka.

T. migricus Klokov & Des.-Shost

Bitlis: around Karıncalı patrol, rocky places, 1400 m, 15.07.2001, AA 1540, Ir.-Tur. Ka.

T. fedtschenkoi Ronniger var. *handelii* (Ronniger) Jalas

Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1800 m, 06.06.2003, AA 2990, END., Ir.-Tur., Ka.

Cyclotrichium stamineum (Boiss. & Hohen) Manden. & Scheng.

Bitlis: Şeyhhabib Mountain, rocky places, 1700 m, 05.08.2002, AA 2759, Ir.-Tur. Ka.

Mentha longifolia (L.) Huds. subsp. *typhoides* (Briq.) Harley var. *typhoides*

Bitlis: Şetek village, humid places, 1550 m, 05.10.2001, AA 1770, Hk.

Ziziphora clinopodioides Lam.

Bitlis: Zeydan district, steppe, 1550 m, 22.07.2001, AA 1632, Ka.

Z. capitata L.

Siirt: Baykan town surrounding, open forest, 820 m, 07.05.2002, AA2157, Ir.-Tur., T.

Salvia trichoclada Benth.

Bitlis: Alaniçi village surrounding, brushwood, 950 m, 04.05.2003, AA 2940; east of Kalem Mountain, open forest, 2000 m, 06.06.2003, AA 2981, Ir.-Tur., Ka.

S. multicaulis Vahl

Siirt: Baykan, Obalı village, steppe, 850 m, 07.04.2002, AA 1911; Aşağınabat Mountain, steppe, 1750 m, AA 2398, Ir.-Tur., Ka.

S. viridis L.

Siirt: Baykan, Obalı village surrounding, open forest, 850 m, 07.05.2002, AA 2178, Med., T.

S. palaestina Benth.

Bitlis: eastern slopes of Kalem Mountain, open forest, 2000 m, 06.06.2003, Behçet 6851b, Ir.-Tur., Hk. Det.: I.C.Hedge.

S. brachyantha (Bordz.) Pobed.

Bitlis: Şeyhhabib Mountain, steppe, 2000 m, 09.09.2002, AA 2864, Ir.-Tur., Hk.

S. poculata Nábelek

Bitlis: eastern slopes of Kambos Mountain, steppe, 2000 m, 17.06.2002, AA 2530; eastern slopes of Kalem Mountain, steppe, 2000 m, 06.06.2003, Behçet 6867, Ir.-Tur., Hk.

S. macrochlamys Boss. et Kotschy

Bitlis: southern slopes of Kambos Mountain, steppe, 1560 m, 04.07.2001, AA 1431, Ka.

S. sclarea L.

Bitlis: Ağaçköprü village surrounding, brushwood, 1450 m, 04.07.2001, AA 1411, Ka.

S. verticillata L. subsp. *verticillata*

Bitlis: Ağaçköprü village surrounding, brushwood, 1450 m, 04.07.2001, AA 1391; Değirmenaltı stream, steppe, 1650 m, 22.07.2001, AA 1627, Ka.

S. frigida Boiss.

Bitlis: Aşağı Nabat hill, steppe, 1950 m, 24.07.2001, AA 1668, Ir.-Tur., Hk.

PLUMBAGINACEAE

Plumbago europaea L.

Bitlis: Aşağı Nabat hill, steppe, 1950 m, 24.07.2001, AA 1685; Sarıkonak village surrounding, humid places, 1650 m, 01.09.2001, AA 1789, Euro-Sib., Hk.

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

Bitlis: around Karıncalı patrol, steppe, 1400 m, 15.07.2001, AA 2656; Kambos hill, steppe, 1800 m, 05.07.2001, AA 1525, Ir.-Tur., Ka.

PLANTAGINACEAE

Plantago major L. subsp. *major*

Bitlis: Şeyhhabib Mountain, wet places, 1950 m, 09.09.2002, AA 2892, Hk.

P. major L. subsp. *intermedia* (Gilib.) Lange

Bitlis: İçmeli village surrounding, streamsides, 1450 m, 24.07.2001, AA 1701, Hk.

P. lanceolata L.

Bitlis: roadsides, 1535 m, 20.04.2001, AA 1091, Hk.

THYMELAEACEAE

Daphne mucronata Royle

Bitlis: Zeydan district, brushwood, 1550 m, 22.07.2001, AA 1636, Ir.-Tur., Fa.

ELAEAGNACEAE

Elaeagnus angustifolia L.

Bitlis: Ağaçköprü village, brushwood, 1450 m, 17.06.2002, AA 2502, Fa.

SANTALACEAE

Thesium arvense Horv.

Bitlis: around Agricultural Directorate building, steppe, 1615 m, 09.04.2001, AA 1024, Euro-Sib., Hk.

T. impressum Steud. ex A.DC.

Bitlis: Şeyhhabib Mountain, steppe-rocky places, 2000 m, 09.09.2002, AA 2873, Ir.-Tur., Hk.

LORANTHACEAE

Loranthus europaeus J.Jacq.

Bitlis: Sarikonak village surrounding, forest, 1650 m, 21.10.2001, AA 1819, Fa. This species grows on *Quercus infectoria* subsp. *boissieri*.

ARISTOLOCHACEAE

Aristolochia bottae Jaub. & Spach

Bitlis: Çayırköy village surrounding, rocky places, 1550 m, 18.05.2002, AA 2268, Ir.-Tur., Hk.

EUPHORBIACEAE

Andrachne telephoides L.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6811, Ka.

Euphorbia chamaesyce L.

Bitlis: Tanrıyar village surrounding, roadsides, 1020 m, 06.08.2001, AA 1741, T.

E. palustris L.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6802, Euro-Sib., Hk.

E. helioscopia L.

Siirt: Baykan Banıçarpıran plain, rocky places, 830 m, 07.04.2002, AA 1896, T.

E. aulacosperma Boiss.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6773, T.

E. falcata L. subsp. *falcata* var. *galilaea* (Boiss.) Boiss.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6821, G T.

E. denticulata Lam.

Siirt: Yarımcı village surrounding, brushwood, 1200 m, 15.04.2002, AA 2005, Ir.-Tur., Hk.

E. cheiradenia Boiss. & Hohen.

Bitlis: Ağaçköprü village surrounding, steppe, 1550 m, 04.07.2001, AA 1412, Ir.-Tur., Ka.

URTICACEAE

Urtica dioica L.

Bitlis: Şeyhhabib Mountain, wet places, 2000 m, 09.09.2002, AA 2909, Euro.-Sib., Hk.

Parietaria judaica L.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6768, Ka.

P. officinalis L.

Bitlis: around Köy Hizmetleri building, steppe, 1615 m, 03.07.2001, AA 1263, Euro.-Sib., Hk.

MORACEAE

Morus alba L.

Bitlis: Kambos hill, field edges, 1880 m, 05.07.2001, AA 1466, Fa.

M. nigra L.

Bitlis: Ağaçköprü village surrounding, streamsides, 1550 m, 24.07.2001, AA 1693, Fa.

Ficus carica L. subsp. *rupestris* (Hausskn.) Browicz

Bitlis: Kambos hill, brushwood, 1820 m, 05.07.2001, AA 1465, Ir.-Tur., Fa.

ULMACEAE

Celtis tournefortii Lam.

Bitlis: Yavuzlar district, forest, 1650 m, 05.10.2001, AA 1779a, Fa.

C. glabrata Steven ex Planch.

Bitlis: Yavuzlar district, forest, 1650 m, 05.10.2001, AA 1779b, Fa.

FAGACEAE

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

Bitlis: Kurudere village surrounding, brushwood, 1200 m, 16.07.2001, AA 1595; Sarikonak village surrounding, forest, 1650 m, 17.05.2002, AA 2249, Fa.

Q. brantii Lindl.

Bitlis: Sarikonak village surrounding, brushwood, 1650 m, 15.07.2001, AA 1583, Ir.-Tur., Fa.

Q. libani Olivier

Bitlis: Sarikonak village surrounding, forest, 1600 m, 08.08.2002, AA 2820, Fa.

BETULACEAE

Alnus glutinosa (L.) Gaertn. subsp. *glutinosa*

Bitlis: Kurudere village surrounding, streamsides, 1000 m, 01.08.2001, AA 1729, Fa.

SALICACEAE

Salix caprea L.

Bitlis: Ağaçköprü village district, streamsides, 1450 m, 29.04.2002, AA 2087, Euro-Sib., Fa.

S. cinerea L.

Bitlis: Sarikonak village surrounding, streamsides, 1650 m, 21.10.2001, AA 1821, Euro-Sib., Fa.

Populus tremula L.

Bitlis: Narlıdere village surrounding, streamsides, 1200 m, 23.04.2002, AA 2025, Euro-Sib., Fa.

RUBIACEAE

Sherardia arvensis L.

Siirt: Baykan town surrounding, steppe, 810 m, 07.04.2002, AA 2907, Med.?, T.

Crucianella gilanica Trin. subsp. *kotschy* (Ehrh.) Ehrh.

Bitlis: Ağaçköprü village surrounding, brushwood, 1850 m, 04.07.2001, AA 1414; Şeyhhabib Mountain, steppe-rocky places, 2200 m, 09.09.2002, AA 2866, Ir.-Tur., Ka.

C. kurdistanica Malin.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6850, Ir.-Tur., T.

C. exasperata Fisch. & C.A.Mey.

Bitlis: Sarikonak village, steppe, 1650 m, 15.07.2001, AA 1589, Ir.-Tur., T.

Asperula xylorrhiza Näbelek

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6808, Ir.-Tur., Ka.

A. orientalis Boiss. & Hohen.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6820, Ir.-Tur., T.

A. arvensis L.

Bitlis: Deliktaş district, steppe, 1435 m, 30.05.2001, AA 1243, Med., T.

Galium humifusum M.Bieb.

Bitlis: Ağaçköprü village surrounding, brushwood, 1850 m, 04.07.2001, AA 1379, Hk.

G. verum L. subsp. *glabrescens* Ehrend.

Bitlis: Ağaçköprü village surrounding, steppe, 1850 m, 04.07.2001, AA 1398, Ir.-Tur.?, Ka.

G. consanguineum Boiss.

Bitlis: Deliktaş district, brushwood, 1435 m, 03.07.2001, AA 1318, Ir.-Tur., Hk.

G. kurdicum Boiss. & Hohen.

Bitlis: Aşağı Nabat Mountain, rocky area 1800 m, 24.07.2001, AA 1673, Ir.-Tur., Hk.

G. nabelekii Ehrend. & Schön.-Tem.

Bitlis: Deliktaş district, brushwood, 1435 m, 03.07.2001, AA 1300, Ir.-Tur., Hk.

G. spurium L. subsp. *spurium*

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6826, Euro-Sib., T.

G. samuelssonii Ehrh. var. *pseudadhaerens* Ehrh.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6760, E. Med., T.

G. haussknechtii Ehrend.

Bitlis: Çayırköy district, steppe, 1550 m, 18.07.2002, AA 2267, Ir.-Tur., T.

G. penicillatum Boiss.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6781, E. Med., T.

G. verticillatum Danthoine ex Lam.

Bitlis: Alaniçi village surrounding, meadow, 950 m, 14.04.2002, AA 1937, Med., T.

Callipeltis cucullaria (L.) Steven

Siirt: Baykan town surrounding, steppe, 820 m, 08.05.2002, AA 2206. Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6793, Ir.-Tur., T.

Cruciata taurica (Pallas & Willd.) Ehrh.

Bitlis: Kambos hill surrounding, brushwood, 1830 m, 05.07.2001, AA 1435; Yenice patrol, steppe, 900 m, 14.04.2002, AA 1928, Ir.-Tur., Ka.

C. pedemontana (Bellardi) Ehrh.

Siirt: Baykan, Baniçarpıran plain, meadow, 830 m, 07.04.2002, AA 1891, T.

Rubia tenuifolia d'Urv. subsp. *donietii* (Griesb.) Ehrend. & Schön.-Tem.

Bitlis: Narlıdere village, rocky places, 1150 m, 16.07.2001, AA 1609, E. Med., Hk.

MONOCOTYLEDONES

ARACEAE

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

Bitlis: Tanrıyar village surrounding, brushwood, 1200 m, 04.05.2003, AA 2976. Siirt: Baykan, Obalı village surrounding, streamsides, 850 m, 07.05.2002, AA 2161, Kr.

LILIACEAE

Eremurus spectabilis M.Bieb.

Bitlis: Kambos Mountain, rocky places, 1820 m, 17.06.2001, AA 2250, Ir.-Tur., Kr.

***Allium cepa** L.

Bitlis: İçmeli village surrounding, streamsides, 1450 m, 24.05.2002, AA 2340, Kr.

A. paniculatum L. subsp. *paniculatum*

Bitlis: eastern slopes of Kambos hill, steppe, 1500 m, 01.08.2001, AA 1732a, Med., Kr. Det.: M.Koyuncu.

A. pseudoflavum Vved.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6805, Ir.-Tur., Kr.

A. pseudoampeloprasum Miscz. ex Grossh.

Bitlis: Karınca village surrounding, steppe, 1600 m, 01.07.2002, AA 2648, Ir.-Tur., Kr. Det.: M.Koyuncu.

A. trachycoleum Wendelbo

Bitlis: Tanrıyar village surrounding, steppe, 1400 m, 05.08.2002, AA 2748, Ir.-Tur., Kr. Det.: M.Koyuncu.

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

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, AA 3017, Med., Kr.

A. vineale L.

Siirt: Baykan, Yarımca village surrounding, steppe, 1000 m, 14.04.2002, AA 1936, Kr.

A. affine Ledeb.

Bitlis: eastern slopes of Kambos Hill, steppe, 1500 m, 01.08.2001, AA 1732b, Med., Kr. Det.: M.Koyuncu.

A. akaka S.G. Gmel.

Siirt: Baykan town surrounding, open forest, 820 m, 07.05.2002, AA 2123, Ir.-Tur., Kr.

A. orientale Boiss.

Bitlis: Narlıdere village, open forest, 1150 m, 22.04.2002, AA 2011, E. Med., Kr.

A. kharputense Freyn & Sint.

Bitlis: Döşkaya village surrounding, steppe, 1550 m, 18.06.2002, AA 2614, Ir.-Tur., Kr.

Scilla siberica Haw. subsp. *armena* (Grossh.) Mordak

Bitlis: Kurudere village, streamsides, 1200 m, 23.04.2002, AA 2046, Ir.-Tur., Kr.

Puschkinia scilloides Adams

Bitlis: Şikeri hill, rocky areas, 1700 m, 04.05.2003, AA 2923, Ir.-Tur., Kr.

Ornithogalum sphaerocarpon Kerner

Bitlis: Karınca village surrounding, steppe, 1600 m, 01.07.2002, AA 2653, Kr.

O. arcuatum Steven

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6782, Ir.-Tur., Kr.

O. oligophyllum E.D.Clarke

Bitlis: İçmeli village, open forest, 1450 m, 24.05.2002, AA 2358, Kr.

O. nutans L.

Bitlis: Ünalı village, open forest, 1600 m, 30.04.2002, AA 2112, E. Med., Kr.

Muscari comosum (L.) Mill.

Bitlis: Çayırköy district, brushwood, 1560 m, 30.05.2001, AA 1213, Med., Kr.

M. armeniacum Leichtlin ex Baker

Bitlis: around Agricultural Directorate building, brushwood, 1615 m, 09.04.2001, AA 1021, Kr.

Bellevalia longistyla (Miscz.) Grossh.

Bitlis: Alaniçi village surrounding, open forest, 1200 m, 04.05.2003, AA 2967, Ir.-Tur., Kr.

B. pycnantha (K.Koch) Losinsk.

Bitlis: Deliktaş village, open forest, 1435 m, 30.04.2002, AA 2113, Ir.-Tur., Kr.

Hyacinthella siirtensis Mathew

Siirt: Baykan town surrounding, open forest, 820 m, 16.03.2002, AA 1850, END., Ir.-Tur., Kr.

Fritillaria minuta Boiss. & Noë

Bitlis: Narlıdere village, open forest, 1150 m, 23.04.2002, AA 2023.

F. minima Rix

Bitlis: around local surgery building brushwood, 1650 m, 09.04.2001, AA 1014, END., Ir.-Tur., Kr.

F. caucasica J.F.Adams

Siirt: Baykan town surrounding, open forest, 850 m, 30.03.2002, AA 1879, H.-Eux., Kr.

Tulipa armena Boiss. var. **armena**

Siirt: Baykan, Obalı village surrounding, open forest, 850 m, 07.05.2002, AA 2138, Ir.-Tur., Kr.

T. sintenisii Baker

Bitlis: Ünalı village, open forest, 1600 m, 30.04.2002, AA 2111, END., Ir.-Tur., Kr. Det.: M.Koyuncu.

Gagea gageoides (Zucc.) Vved.

Bitlis: Industrial site surrounding, rocky places, 1500 m, 29.04.2002, AA 2090, Ir.-Tur., Kr.

G. reticulata (Pallas) Schult. & Schult.f.

Siirt: Baykan town, YİBO surrounding, wet places, 820 m, 07.04.2002, AA 1883, Ir.-Tur., Kr.

G. bulbifera (Palas) Schult. & Schult.f.

Bitlis: Kurudere village, rocky places, 1200 m, 23.04.2002, AA 2075, Euro.-Sib., Kr.

G. luteoides Stapf

Bitlis: Şikirin hill, rocky areas, 1700 m, 04.05.2003, AA 2924, Kr.

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

Siirt: Baykan, Obalı village surrounding, open forest, 850 m, 16.03.2002, AA 1842, Med., Kr.

G. villosa (M.Bieb.) Duby var. **hermonis** Dafni & Heyn

Bitlis: Kurudere village, rocky places, 1200 m, 23.04.2002, AA 2074, Ir.-Tur.?, Kr.

AMARYLLIDACEAE

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

Siirt: Baykan town centre surrounding, field edge, 810 m, 08.05.2002, AA 2179. Bitlis: Tatlıkaynak village surrounding, steppe, 1550 m, 18.05.2002, AA 2302, Ir.-Tur., Kr.

IRIDACEAE

Iris reticulata M.Bieb. subsp. **reticulata**

Bitlis: Şikirin hill, steppe, 1800 m, 04.05.2003, AA 2978, Ir.-Tur., Kr.

I. reticulata M.Bieb. subsp. **bakeriana** (Foster) Mathew & Wendelbo

Bitlis: Şikirin hill, steppe, 1800 m, 04.05.2003, AA 2978, Ir.-Tur., Kr.

I. aucheri (Baker) Sealy

Bitlis: Şikirin hill, stony areas, 1700 m, 04.05.2003, AA 2920, Ir.-Tur., Kr.

I. pseudocaucasica Grossh.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, AA 3008, Hk. Det.: M.Koyuncu.

I. persica L.

Bitlis: Tanrıyar village surrounding, sandy places, 1000 m, 22.04.2002, AA 2028, Ir.-Tur., Kr.

Crocus cancellatus Herb. subsp. **damascenus** (Herb.) Mathew

Bitlis: Sarıkonak village surrounding, steppe, 1680 m, 21.10.2001, AA 1813, Ir.-Tur., Kr.

Gladiolus kotschyanus Boiss.

Bitlis: Kambos Mountain, rocky places, 2000 m, 17.06.2002, AA 2539, Ir.-Tur., Kr.

G. atroviolaceus Boiss.

Siirt: Baykan, Obalı village surrounding, rocky places, 850 m, 07.05.2002, AA 2143, Ir.-Tur., Kr.

ORCHIDACEAE

Limodorum abortivum (L.) Sw.

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6751, Kr.

Ophrys holoserica (Burm.f.) Greuter subsp. **holoserica**

Bitlis: Doğanlı village, Kalem Mountain, open forest, 1800 m, 06.06.2003, Behçet 6891, Med., Kr.

Orchis tridentata Scop.

Bitlis: Alaniçi village surrounding, open forest, 1200 m, 04.05.2003, AA 2968; Tanrıyar village, meadow, 1050 m, 15.04.2002, AA 2007, Med., Kr.

O. anatolica Boiss.

Bitlis: Alaniçi village surrounding, open forest, 1200 m, 04.05.2003, AA 2969, E. Med., Kr.

O. masculata (L.) L. subsp. **pinetorum** (Boiss. & Kotschy) E.G.Camus

Bitlis: around limestone quarry, brushwood, 1490 m, 30.05.2001, AA 1169, E. Med., Kr.

Dactylorhiza iberica (M.Bieb. ex Willd.) Soó

Bitlis: Aşağı Nabat Mountain, open forest, 1750 m, 26.05.2002, AA 2368, Kr.

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

Bitlis: around MYO, meadow, 1650 m, 09.04.2001, AA 1005, Kr.

D. romana (Seb.) Soó subsp. **georgica** (Klinge) Soó ex Renz & Taub.

Bitlis: around Yenice patrol, open forest, 900 m, 15.04.2002, AA 1989, Eu., Kr.

D. umbrosa (Kar. & Kir.) Nevski

Bitlis: Deliktaş village, open forest, 1450 m, 17.05.2002, AA 2274, Ir.-Tur., Kr.

DIOSCORACEAE

Tamus communis L. subsp. **communis**

Bitlis: around Yenice patrol, brushwood, 900 m, 15.04.2002, AA 1957; Sarıkonak village surrounding, stony areas-brushwood, 1650 m, 08.08.2002, AA 2824, Kr.

JUNCEAE

Juncus inflexus L.

Bitlis: Kambos hill, wet places, 1800 m, 05.07.2001, AA 1485, Hk.

J. bufonius L.

Bitlis: İçmeli village, streamsides, 1500 m, 25.05.2002, AA 2492, T.

J. articulatus L.

Bitlis: Alaniçi village surrounding, rocky places, 850 m, 09.06.2002, AA 2468, Euro.-Sib., Hk.

J. alpigenus K. Koch

Bitlis: Şeyhhabib Mountain, wet places, 1800 m, 09.09.2002, AA 2859, Eu.?, Hk.

CYPERACEAE

Cyperus longus L.

Bitlis: Deliktaş village district, streamsides, 1435 m, 03.07.2001, AA 1334; Şeyhhabib Mountain, meadows 2100 m, 09.09.2002, AA 2841, Kr.

C. glaber L.

Bitlis: Narlıdere village surrounding, humid places, 1200 m, 25.08.2001, AA 1797b, T.

C. fuscus L.

Bitlis: Narlıdere village surrounding, humid places, 1200 m, 25.08.2001, AA 1797a, Euro.-Sib., T.

Fimbristylis annua (All.) Roem. & Schult.

Bitlis: Narlıdere village surrounding, humid places, 1200 m, 16.07.2001, AA 1603, T.

Eleocharis palustris (L.) Roem. & Schult.

Bitlis: Tatlıkaynak village, humid places, 1550 m, 18.05.2002, AA 2294, Hk.

E. mitracarpa Steud.

Bitlis: Alaniçi village surrounding, humid places, 950 m, 09.06.2002, AA 2496, Hk.

Schoenoplectus lacustris (L.) Palla subsp. **tabernaemontani** (C.C.Gmel.) A. & D.Löve

Bitlis: Ağaçköprü village surrounding, streamsides, 1500 m, 30.08.2002, AA 2802, Kr.

Bolboschoenus maritimus (L.) Palla var. **maritimus**

Bitlis: Ağaçköprü village surrounding, streamsides, 1500 m, 30.08.2002, AA 2803, Kr.

Scirpoides holoschoenus (L.) Soják

Bitlis: Değirmenaltı village, humid places, 1700 m, 03.06.2002, AA 2461, Hk.

Carex spicata Huds.

Bitlis: Tatlıkaynak village, humid places, 1550 m, 18.05.2002, AA 2271, Euro.-Sib., Hk.

C. stenophylla Wahlenb subsp. **stenophylloides** (V.I.Krecz.) T.V.Egorova

Bitlis: around Yenice patrol, meadow, 900 m, 15.04.2002, AA 1955; Alaniçi village surrounding, meadow, 950 m, 04.05.2003, AA 2942, Ir.-Tur., Hk.

C. melanostachya M.Bieb. ex Willd.

Bitlis: Dörtağaç village, humid places, 1700 m, 03.06.2002, AA 2429, Hk.

C. flacca Schreb. subsp. **flacca**

Bitlis: Deliktaş village, humid places, 1465 m, 18.05.2002, AA 2277, Euro.-Sib., Hk.

C. supina Willd. ex Wahlenb.

Siirt: Baykan town surrounding, wet places, 820 m, 07.04.2002, AA 1909, Euro.-Sib., Hk.

POACEAE (GRAMINEAE)**Elymus panormitanus** (Parl.) Tzvelev

Bitlis: Ağaçköprü village, under forest, 1450, 03.07.2001, AA 1380, Med., Hk.

E. elongatus (Host) Runemark subsp. **turcicus** (McGuire) Melderis

Bitlis: southern slopes of Şeyhhabib Mountain, steppe, 2200 m, 09.09.2002, AA 2868, Kr.

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

Bitlis: Kalem Mountain, Doğanlı village surrounding, wet places, 1900 m, 06.06.2003, AA 2998, Kr.

Heteranthelium piliferum (Sol.) Hochst.

Bitlis: Döşkaya village, steppe, 1550 m, 18.06.2002, AA 2610; Kalem Mountain, Doğanlı village surrounding, 1800 m, steppe, 06.06.2003, Behçet 6839, Ir.-Tur., T.

Aegilops cylindrica Host

Bitlis: western slopes of Kambos hill, steppe, 1600 m, 05.07.2001, AA 2514, Ir.-Tur., T.

A. triuncialis L. subsp. **triuncialis**

Bitlis: Aşağı Nabat Mountain, steppe, 1800 m, 25.05.2002, AA 2336, T.

Triticum turgidum L.

Bitlis: Deliktaş district, fields, 1450 m, 03.07.2001, AA 1320, T.

Secale montanum Guss.

Bitlis: around Köy Hizmetleri building, field, 1615 m, 03.07.2001, AA 1270, Hk.

Hordeum violaceum Boiss. & Huet

Bitlis: Kurudere village, steppe, 1200 m, 01.07.2002, AA 2635, Ir.-Tur., Hk.

H. marinum Huds. var. **pubescens** (Guss.) Nevski

Bitlis: western slopes of Kambos hill, steppe, 2000 m, 17.06.2002, AA 2513, Euro.-Sib., T.

H. murinum L. subsp. **murinum**

Bitlis: limestone quarry, steppe, 1450 m, 15.05.2001, AA 1166. Siirt: Baykan town surrounding, steppe, 820 m, 08.05.2002, AA 2159, T.

H. murinum L. subsp. **leporinum** (Link) Arc. var. **leporinum**

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, steppe, 06.06.2003, Behçet 6834, Ir.-Tur., Hk.

H. bulbosum L.

Bitlis: Dörtağaç village district, steppe, 1700 m, 03.06.2002, AA 2435, Kr.

H. distichon L.

Bitlis: western slopes of Kambos hill, steppe, 1600 m, 05.07.2001, AA 1505, T.

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

Bitlis: Ağaçköprü village, steppe, 1350 m, 25.05.2002, AA 2337; Döşkaya village, steppe, 1500 m, 18.06.2002, AA 2612, Ir.-Tur.?, T.

Bromus japonicus Thunb. subsp. **japonicus**

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, open forest, 06.06.2003, Behçet 6791, T.

B. japonicus Thunb. subsp. **anatolicus** (Boiss. & Heldr.) Pénzes

Bitlis: south-eastern slopes of Kambos Mountain, steppe, 1440 m, 17.06.2002, AA 2523, T.

B. macrocladus Boiss.

Bitlis: Şeyhhabib Mountain, brushwood, 1700 m, 25.07.2002, AA 2857, END., Med., T.

B. scoparius L.

Bitlis: Kalem Mountain, Doğanlı village surrounding, open forest, 1900 m, 06.06.2003, Behçet 6835a, T.

B. lanceolatus Roth

Bitlis: Ağaçköprü village, steppe, 1650 m, 25.05.2002, AA 2315, T.

B. danthoniae Trin.

Bitlis: Zeydan district, steppe, 1550 m, 22.07.2001, AA 1631, T.

B. tectorum L. subsp. **tectorum**

Bitlis: Döşkaya village, steppe, 1550 m, 18.06.2002, AA 2611; Alaniçi village surrounding, steppe, 950 m, 14.04.2002, AA 1947, T. Det.: F. Sales.

B. sterilis L.

Bitlis: south-eastern slopes of Kambos Mountain, steppe, 1440 m, 05.08.2001, AA 2516, T. Appr.: F. Sales.

- B. tomentellus** Boiss.
Bitlis: south-eastern slopes of Şikirin hill, steppe, 2300 m, 13.08.2002, AA 2775, Ir.-Tur., Hk.
- B. erectus** Huds.
Bitlis: around Karıncalı patrol, steppe, 1300 m, 01.07.2002, AA 2628, Hk.
- Avena barbata** Pott ex Link subsp. *barbata*
Bitlis: Direktaş village surrounding, steppe, 1435 m, 25.05.200, AA 2311, Med., T.
- A. fatua** L. var. *fatua*
Bitlis: Deliktaş surrounding, field edges, 1435 m, 03.07.2001, AA 1338, T.
- Helictotrichon pratense** (L.) Besser ex Schult. & Schult.f.
Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, steppe, 06.06.2003, AA 2999, Euro-Sib., Hk.
- Arrhenatherum palaestinum** Boiss.
Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, steppe, 06.06.2003, Behçet 6838, Med., Kr.
- Trisetum thospiticum** Chrtk
Bitlis: Ağaçköprü village, steppe, 1350 m, 09.06.2002, AA 2500, END., Ir.-Tur., Hk.
- Rostraria berythea** (Boiss. & Black) Holub.
Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, steppe, 06.06.2003, Behçet 6829; İçmeli village, steppe, 1500 m, 25.05.2002, AA 2372, Med.?, T.
- R. hispida** (Savi) Doğan
Bitlis: southern slopes of Torek Mountain steppe, 1700 m, 17.05.2002, AA 2233, Med., T.
- R. cristata** (L.) Tzvelev *cristata*
Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, steppe, 06.06.2003, Behçet 6829, T.
- Koeleria cristata** (L.) Pers.
Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, steppe, 06.06.2003, Behçet 6845, Hk.
- Calamagrostis parsana** (Bor) Doğan
Bitlis: Deliktaş district, wet places, 1450 m, 03.07.2001, AA 1355, Ir.-Tur., Hk.
- Polypogon viridis** (Gouan) Breistr.
Bitlis: around Karınca patrol, humid places, 1300 m, 15.07.2001, AA 1549, Euro-Sib., Hk.
- P. maritimus** Willd. subsp. *maritimus*
Bitlis: Ağaçköprü village, steppe, 1650 m, 04.07.2002, AA 1366, Euro-Sib., T.
- P. monspeliensis** (L.) Desf.
Bitlis: Deliktaş district, wet places, 1450 m, 03.07.2001, AA 1330, T.
- Milium vernale** M.Bieb. subsp. *vernale*
Bitlis: Berge hill, open forest, 1570 m, 30.04.2002, AA 2009, Med.? T.
- Zingeria pisidica** (Boiss.) Tutin
Bitlis: Deliktaş district, steppe, 1435 m, 18.05.2002, AA 2292, Ir.-Tur.?, T.
- Alopecurus arundinaceus** Poir.
Bitlis: Dideban hill, brushwood, 1650 m, 03.06.2002, AA2419; Deliktaş district, steppe, 1435 m, 20.04.2001, AA 1079, Euro-Sib., Hk.
- A. myosuroides** Huds. var. *myosuroides*
Bitlis: Tanrıyar village, steppe, 1000 m, 23.04.2002, AA 2020, Euro-Sib., T.
- A. utriculatus** Sol. subsp. *utriculatus*
Bitlis: Alaniçi village, steppe, 950 m, 04.05.2003, AA 2945, Ir.-Tur., T.
- A. utriculatus** Sol. subsp. *anthoxanthoides* (Boiss.) Doğan
Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 2000 m, 06.06.2003, AA 3000. Siirt: Baykan, Obalı village, steppe, 850 m, 07.04.2002, AA 1914, Med., T.
- Phleum pratense** L.
Bitlis: Değirmen stream, meadow, 1640 m, 22.07.2001, AA 1640, Euro-Sib., Hk.
- P. subulatum** (Savi) Aschers. & Graebn. subsp. *subulatum*
Bitlis: Saime hill, steppe, 1800 m, 18.06.2002, AA 2595, T.
- P. paniculatum** Huds. subsp. *ciliatum* (Boiss.) Doğan
Bitlis: İçmeli village, steppe, 1500 m, 26.05.2002, AA 2370, Ir.-Tur., T.
- Vulpia muralis** (Kunth) Nees
Bitlis: southern slopes of Torek Mountain, steppe, 1700 m, 17.05.2002, AA 2237, Med., T.
- Lolium multiflorum** Lam. subsp. *multiflorum*
Bitlis: south-eastern slopes of Kambos Mountain, steppe, 1540 m, 17.06.2002, AA 2511, T.
- L. persicum** Boiss. & Hohen ex Boiss.
Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003, Behçet 6778, Ir.-Tur., T.
- L. rigidum** Gaudin var. *rigidum*
Bitlis: İçmeli village, steppe, 1500 m, 26.05.2002, AA 2373, T.
- Psilurus incurvus** (Gouan) Schinz & Thell.
Bitlis: Sarıkonak village, steppe, 1550 m, 17.05.2002, AA 2240, T.
- Poa pratensis** L.
Bitlis: İnönü district, meadow, 1550 m, 20.04.2001, AA 1066, Hk.
- P. bulbosa** L.
Bitlis: Deliktaş district, steppe, 1435 m, 18.05.2002, AA 2281; Tanrıyar village, steppe, 1000 m, 04.05.2003, AA 2955, Hk.
- Eremopoa multiradiata** (Trautv.) Roshev.
Bitlis: Dörttaş village, steppe, 1700 m, 03.06.2002, AA 2438, Ir.-Tur., T.
- E. songarica** (Schrenk) Roshev.
Bitlis: place for dumping garbage and its surroundings, wet places, 1530 m, AA 1077, Ir.-Tur., T.
- Dactylis glomerata** L. subsp. *glomerata*
Bitlis: Sarıkonak village surrounding, steppe, 1600 m, 17.05.2002, AA 2243, Euro-Sib., Hk.
- D. glomerata** L. subsp. *hispanica* (Roth) Nyman
Bitlis: Aşağı, Nabat hill, steppe, 1750 m, 25.05.2002, AA 2345, Hk.
- Cynosurus cristatus** L.
Bitlis: Direktaş village, steppe, 1550 m, 17.07.2001, AA 1619, Euro-Sib., Hk.
- C. echinatus** L.
Bitlis: Ağaçköprü village, steppe, 1350, 04.07.2001, AA 1416, Med. T.
- Briza humilis** M.Bieb.
Siirt: Baykan town surrounding, steppe, 820 m, 08.05.2002, AA 2197, T.

B. minor L.

Bitlis: Alaniçi village, steppe, 950 m, 09.06.2002, AA 2470, T.

Echinaria capitata (L.) Desf.

Siirt: Baykan Obalı village Çemçavuş district, steppe, 850 m, 30.03.2002, AA 1864, T.

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

Bitlis: eastern slopes of Kambos Mountain, steppe, 2000 m, 17.06.2002, AA 2534, Ir.-Tur., Hk.

M. persica Kunth subsp. **inaequiglumis** (Boiss.) Bor

Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003, AA 2996, Hk.

Stipa bromoides (L.) Dörf.

Bitlis: Kalem Mountain, Doğanlı village surrounding, 1800 m, rocky places, 06.06.2003, Behçet 6863, Med., Hk.

S. ehrenbergiana Trin. & Rupr.

Bitlis: Sarikonak village, steppe, 1550 m, 18.06.2002, AA 2572, Ir.-Tur., Hk.

Piptatherum holciforme (M.Bieb.) Roem. & Schult. subsp. **holciforme** var. **holciforme**

Bitlis: Kalem Mountain, Doğanlı village surrounding, steppe, 1900 m, 06.06.2003, Behçet 6798; Tabanözü district, wet places, 2000 m, 13.08.2002, AA 2774, Hk.

Eragrostis minor Host

Bitlis: southern slopes of Şeyhhabib Mountain, steppe, 2200 m, 09.09.2002, AA 2886, T.

Crypsis acuminata Trin. subsp. **acuminata**

Bitlis: Tanrıyar village surrounding, streamsides, 1200 m, 05.07.2002, AA 2746, T.

C. schoenoides (L.) Lam.

Bitlis: Ağaçköprü village, roadsides, 1350 m, 26.07.2001, AA 1722, T.

Echinochloa crus-galli (L.) P.Beauv.

Siirt: Baykan, Obalı village, streamsides, 850 m, 05.08.2002, AA 2811, T.

Digitaria sanguinalis (L.) Scop.

Bitlis: Sarikonak village surrounding, wet places, 1600 m, 23.04.2002, AA 1794, T.

Setaria viridis (L.) P. Beauv.

Bitlis: Ünalı village, humid places, 1600 m, 01.09.2001, AA 1782, T.

Pennisetum orientale Rich.

Bitlis: Aşağı Nabat hill, steppe, 1750 m, 25.05.2002, AA 2350, Ir.-Tur., Hk.

Sorghum halepense (L.) Pers. var. **halepense**

Bitlis: Sarikonak village, humid places, 1550 m, 01.09.2001, AA 1793; Kalem Mountain, Doğanlı village surrounding, wet places, 1900 m, 06.06.2003, AA 2997, Hk.

Bothriochloa ischaemum (L.) Keng

Bitlis: Şeyhhabib Mountain, steppe, 2200 m, 09.09.2002, AA 2869, Hk.