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ESAT ÇETİN

SERDAR GÖKHAN ŞENOL

ÖZCAN SEÇMEN

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Flora of Rahat Mountain (Burdur, Turkey)

Esat ÇETİN¹, Serdar Gökhan ŞENOL², Özcan SEÇMEN²

¹Harran University, Faculty of Sciences and Arts, Department of Biology, Şanlıurfa - TURKEY

²Ege University, Faculty of Sciences, Department of Biology, İzmir - TURKEY

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Abstract: The investigation area is within the C2 grid-square and located within Burdur province. This research was conducted between 1999 and 2002. Nearly 1000 plant specimens were collected and 413 *Spermatophyta* taxa belonging to 55 families were identified from these specimens. Among the identified taxa, 3 are from *Gymnospermae*, and 410 from *Angiospermae* (51 of the *Angiospermae* are *Monocotyledones* and 359 are *Dicotyledones* members). The number of endemic taxa was 83 and this number constitutes 20.1% of the total flora.

Key Words: Rahat Mountain, Burdur, Flora, Turkey

Rahat Dağı Florası (Burdur)

Özet: Araştırma alanı C2 karesi içerisinde Burdur il sınırları dahilinde yer almaktadır. Bu çalışma 1999-2002 yılları arasında yapılmıştır ve yaklaşık 1000 bitki örneği toplanmıştır. Bu örneklerden 55 familyaya ait 413 *Spermatophyta* taksonu tespit edilmiştir. Belirlenen taksonların üçü *Gymnospermae*, 410'u ise *Angiospermae*'dir. Angiosperm'lerin 51'i *Monocotyledones*, 359'u *Dicotyledones* üyesidir. Endemik bitkilerin sayısı 83 olup, toplam takson sayısının % 20,1' ini oluşturmaktadır.

Anahtar Sözcükler: Rahat Dağı, Burdur, Flora, Türkiye

Introduction

The damage caused by humans to the environment is gradually increasing with industrial and economic development. Reclamation and rehabilitation studies of various natural environments have lately been increasing in popularity. It is necessary to determine the biological richness of an environment to succeed in such research.

To know which taxa or genetic resources are in danger or under threat of extinction will contribute greatly to the prevention of their irreparable loss.

Previously, studies of the flora and vegetation of Turkey have been performed by foreign botanists, but are currently carried out by many Turkish botanists from various parts of the country (Davis, 1965-1988; Bekat, 1987; Gemici, 1988; Güner et al., 2000; Eren et al., 2004).

The flora of the study area is very interesting, yet there are no representative floristic studies or plant collections, except some samples that were collected by some researchers during their trip to the area. For this reason the aim of this study was to reveal the flora of the area.

The area lies at lat 37°00'-37°15'N, long 29°45'-30°00'E within Burdur province, and in the C2 grid-square of Davis' (1965) grid system. The Acıpayam (Denizli)-Antalya road runs along the southern border of the study area. Bölmepınar village in the Çavdır district is located to the west, Osmankalfalar village lies to the east, and Yeşilköy is situated north. Rahat Mountain, which consists of Mesozoic limestone, begins at Çomak pass on the Acıpayam (Denizli)-Antalya road at an elevation of 1440 m and extends in a north-easterly direction to

*E-mail: esatctn@yahoo.com

Söğüt Lake basin (Saraçoğlu, 1986). The highest point of the mountain is Büyük Çal hill (2350 m) at the midpoint of mountain, which comprises some hills and plains. Some of these hills are Küçük Çal in the south, Çanak Yaran in the north, and Aftallar Taşı in the east. A broad depression, Gencer plateau, is located among the hills to the east of Çanak Yaran (Figure 1).

The study area is under the effect of a sub-dry supra-Mediterranean climate according to climatological data obtained from Gölhisar (Burdur), the nearest meteorological station. Mean annual temperature is 12.5 °C with a maximum temperature in June, July, and August. The hottest month is July, with a mean temperature of 23.1 °C. The months with lower temperature are January, February and March. The coldest month is January, with a mean temperature of 2.3 °C. Annual rainfall on Rahat Mountain is 554.5 mm.

Most of the rain falls in the winter and spring is the next rainiest season. The rainiest months are December and January and August is the driest month. According to the area's rain regime (Akman & Dağet, 1971), the area is classified as the Type I variable of East Mediterranean climate.

Generally tragacanthic vegetation is dominant at Rahat Mountain. *Astragalus angustifolius* Lam. subsp. *angustifolius* var. *angustifolius* and *Acantholimon acerosum* (Willd.) Boiss. var. *acerosum* are the dominant taxa of this vegetation on the eastern slopes of the mountain, above Osmankalfalılar village (1400-1700 m). High scrubs, such as *Amygdalus orientalis* Mill., *Crataegus monogyna* Jacq. subsp. *azarella* (Gris) Franco, join this vegetation together with other steppic elements. *Astragalus wiedemannianus* Fish. and *Onobrychis cornuta* (L.) Desv. replace *Acantholimon acerosum* var. *acerosum*

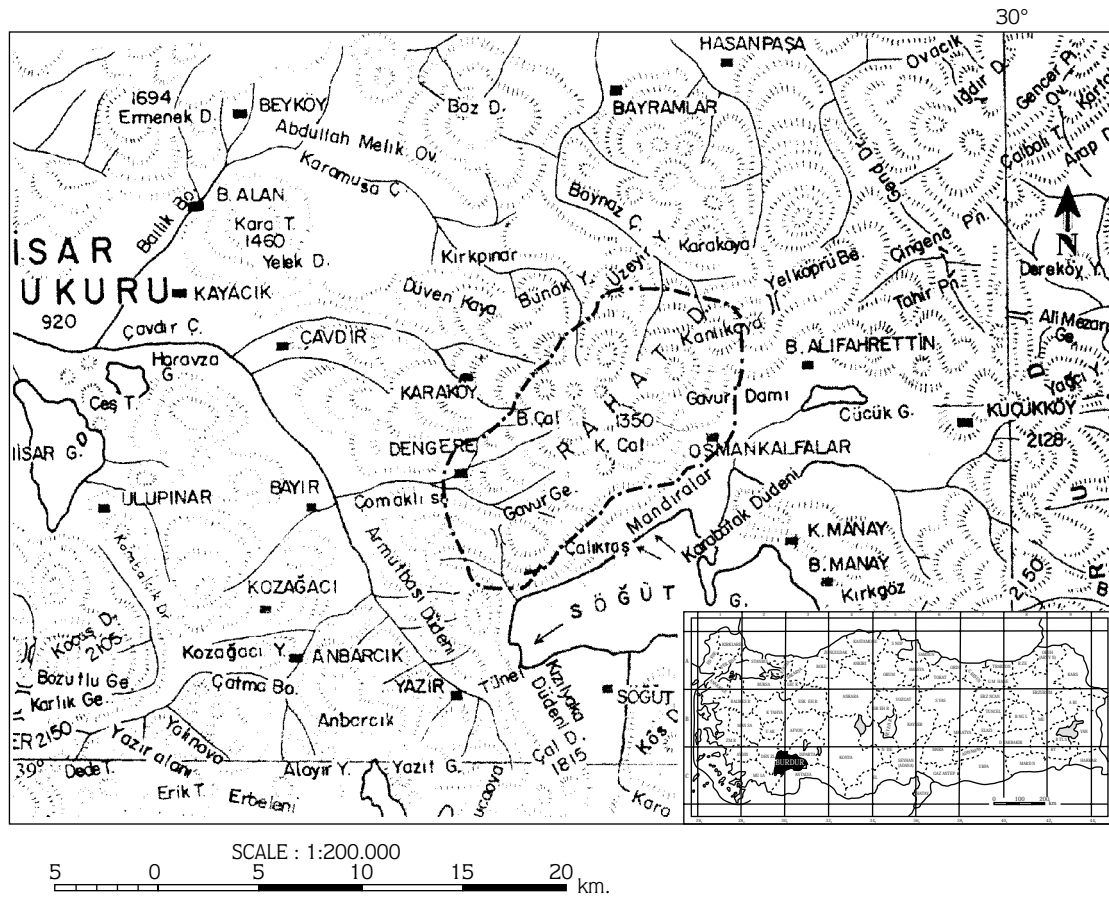


Figure 1. Geographical map of research area.

above Kırkpınar village (1800-1900 m). Gencer plateau (2100 m) becomes a wetland meadow with the spring waters of Kızılpınar, Başpınar, and Güllüpınar. *Carex distans* L., *Scirpoides holoschoenus* (L.) Sojak, and *Juncus inflexus* L. are common among this vegetation. *Eleocharis mitracarpa* Steud., *Groenlandia densa* (L.) Fourr., and *Nasturtium officinale* R.Br. communities are found in puddles of Gencer plateau. High mountain meadows dominated by *Marrubium bourgaei* Boiss. subsp. *bourgaei* communities are found at snow beds among the hills in Gencer plateau. There is a *Cedrus libani* A.Rich. plantation in Bölmepınar village in Üçevler district, which is located, in the western part of the study area, some individuals of *Juniperus excelsa* M.Bieb. are found around Küçük Çal hill, and there is a *Pinus nigra* J.F.Arnold subsp. *nigra* var. *caramica* (Loudon) Rehder plantation area at Çomak pass (1440 m).

Materials and Methods

Nearly 1000 plant specimens from Rahat Mountain were periodically collected between September 1999 and July 2002. All specimens were pressed and dried. Identifications were made using *Flora of Turkey and the East Aegean Islands* (Davis 1965-1985; Davis et al., 1988; Güner et al., 2000).

Alphabetical order is followed for the list of families and lower taxa. Locality, collection date, collector name, and number of samples follow the plant name. *Red Data Book of Turkish Plants* was used to categorise the risk of endemic plants of the study area (Ekim et al., 2000). All herbarium specimens are stored the Ege University Botanical Garden and Herbarium Research and Application Centre (EGE).

Results and Discussion

Among the 1000 collected specimens were 413 vascular plant taxa belonging to 55 families, including 3 *Gymnospermae* taxa and 410 *Angiospermae*, of which 51 *Angiospermae* taxa were *Monocotyledonae* and 359 were *Dicotyledonae*.

The number of endemic taxa found in the research area was 83, representing 20.1% of all collected specimens. Gemici (1990-1991) studied Akdağ (Çivril), which is close to Rahat Mountain, and found 1060 taxa, 11.41% of which was endemic.

Anacyclus latealatus Hub.-Mor. (Compositae), was categorised as endangered (EN) according to *Red Data Book of Turkish Plants* (Ekim et al., 2000) and IUCN Red List Categories and Criteria, version 3.1 (IUCN, the World Conservation Union, 2001). According to the *Flora of Turkey*, it was registered from Tefenni in Burdur province and was gathered from only one locality in the current research area. The population was small and geographically limited. These 2 populations were in the same region. For these reasons it was categorised as EN. The other taxa in danger categories were evaluated according to the *Red Data Book of Turkish Plants* and IUCN Red List Categories and Criteria, version 3.1.

Erysimum caricum Boiss. (Cruciferae) is vulnerable (VU). The populations of this taxon are widely distributed in different regions and localities.

Bellardiochloa carica R.B.Mill. (Gramineae) is EN. This taxon is registered from only Girdev Mountain, Muğla. It was gathered from Gencer plateau on Rahat Mountain and the population is under the effects of grazing. It is used for sheep fodder.

Arenaria saponarioides Boiss. & Bal (Caryophyllaceae) is VU. Its populations were registered from different regions and localities and it is widely distributed.

Paronychia carica Chaudhri (Illecebraceae) is VU. Its populations are widely distributed in different regions and localities. It was gathered from 3 different locations within the research area.

Linarium kurdica Boiss. & Hohen. subsp. *ericalyx* (Boiss.) Boiss. (Scrophulariaceae) is EN. It was found in Korkuteli in Antalya province. From the current research area, it was found in a small and narrow locality near Korkuteli and the population is poor.

Tordylium lanatum (Boiss.) Boiss. (Umbelliferae) is VU. It is registered in different regions. The populations of this taxon are widely distributed, but small in number. The other endemic plants are not in danger and are LR.

Among the 55 families, *Compositae* with 55 taxa, *Leguminosae* with 42, *Labiatae* with 37, *Gramineae* with 32, *Cruciferae* with 30, *Caryophyllaceae* with 29, and *Umbelliferae* with 25 were the richest families in the research area. The genera with the greatest numbers of taxa were *Astragalus* (16 taxa), *Centaurea* (9 taxa), *Silene* (8 taxa), *Alyssum* (7 taxa), *Salvia* (6 taxa), and *Medicago*

(5 taxa). The ecological habitat and elevation uniformity of the study is responsible for these low numbers of taxa.

Compositae was the most abundant family in our research area, in agreement with Flora of Turkey and the East Aegean Islands (Davis 1965-1985). This is because *Compositae* is a cosmopolite family with world-wide distribution and has the highest number of taxa in the world. This family is also rich among the neoendemic taxa of Anatolia.

Astragalus was the most abundant genus, demonstrating that steppe vegetation was dominant in the research area.

Onobrychis cf. *montana* subsp. *cadmea*, which is included in the floristic list, was not identified clearly because there were no fruits in the herbarium specimens. It is suggested that due to its morphological characteristics, it should be given in cf. form, while it is placed in close taxa.

The entire research area, especially Gencer plateau, is used by local farmers for livestock grazing. This situation threatens the endemic plants in the study area.

With this study, we aimed to contribute to the knowledge of the flora of Turkey.

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APPENDIX

The Floristic List of Natural Plants

SPERMATOPHYTA

GYMNOSPERMAE

PINACEAE

Cedrus libani A.Rich.

Burdur: Bölmepinar village, vicinity of Üçevler plantation area, 30.09.1999, observation.

Pinus nigra J.F.Arnold, Reise Mariazell: 8, t. s.n. (1785) subsp. *nigra* var. *caramica* (Loudon) Rehder.

Burdur: Çomak pass (1440 m) plantation area, 22.06.2002, observation.

CUPRESSACEAE

Juniperus excelsa M.Bieb.

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, observation.

ANGIOSPERMAE

DICOTYLEDONES

ACANTHACEAE

Acanthus hirsutus Boiss.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 22.06.2002, E 2282, Endemic, LR(lc).

AMARANTHACEAE

Amaranthus retroflexus L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 119,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1054/a.

BERBERIDACEAE

Berberis crataegina DC.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1123.

BORAGINACEAE

Alkanna areolata Boiss. var. *areolata*

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 262,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1710, Endemic, LR(lc).

Alkanna tinctoria (L.) Tausch subsp. *anatolica* Hub.-Mor.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 08.04.2001, E 1296.

Anchusa azurea Mill. var. *azurea*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 921.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 1011.

Asperugo procumbens L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1072.

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

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1025.

Cynoglossum montanum L.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 166,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1003,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1723.

Echium italicum L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 22.06.2002, E 2059.

Heliotropium hirsutissimum Grauer

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 108.

Lappula barbata (M.Bieb.) Gurke

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1012.

Moltkia aurea Boiss.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 258,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 912, Endemic, LR(lc).

Myosotis incrassata Guss.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 273.

M. lithospermifolia (Willd.) Hornem.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1753.

M. stricta Link ex Roem. & Schult.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1031/a.

Neatostema apulum (L.) H.Johnston

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1158.

Nonea macrosperma Boiss. & Heldr.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2058/b, Endemic, LR(lc).

Onosma isauricum Boiss. & Heldr.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E1081,

Endemic, LR(lc).

O. tauricum Pall. ex Willd. var. *tauricum*

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 264.

Rochelia disperma (L.f.) K.Koch. var. *disperma*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 2188.

CAMPANULACEAE

Asyneuma limonifolium (L.) Janch. subsp. *pestalozzae* (Boiss.) Damboldt

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 974, Endemic, LR(lc).

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

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 112,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 911, Endemic, LR(lc).

Campanula lyrata Lam. subsp. *lyrata*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 966, Endemic, LR(lc).

Campanula propingua Fisch. & C.A.Mey.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1124.

C. stricta L. var. *libanotica* (A.DC.) Boiss.

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 167.

CARYOPHYLLACEAE

Arenaria leptoclados (Rchb.) Guss.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1738.

A. saponarioides Boiss. & Ball.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1733/a, Endemic, VU.

Bolanthus minuartioides (Jaub. & Spach) Hub.-Mor.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 969,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1126, Endemic, LR(lc).

Cerastium dichotomum L. subsp. *dichotomum*

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2067.

Dianthus crinitus Sm. var. *crinitus*

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2144.

D. elegans d'Urv. var. *elegans*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 905, Endemic, LR(lc).

D. micranthus Boiss. & Heldr.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1006.

D. zonatus Fenzl var. *zonatus*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 919/a.

Holosteum umbellatum L. var. *umbellatum*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 08.04.2001, E 1303.

Minuartia anatolica (Boiss.) Woron. var. *arachnoidea* McNeill

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1720/a,

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 1702, Endemic, LR(lc).

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

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2098, Endemic, LR(cd).

M. erythrosepala (Boiss.) Hand.-Mazz. var. *erythrosepala*

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1720, Endemic, LR(lc).

M. hamata (Hauskn.) Mattf.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1126/a,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1726/b.

M. juniperina (L.) Maire & Petitm.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 967.

M. leucocephala (Boiss.) Mattf.

Burdur: Between Osmankalfalar and Kirkpınar villages, 1400-1500 m, 22.06.2002, E 2285, Endemic, LR(lc).

M. leucocephaloides (Bornm.) Bornm.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1007, Endemic, LR(lc).

M. umbellulifera (Boiss.) McNeil subsp. *umbellulifera* var. *umbellulifera*

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2138, Endemic, LR(lc).

Silene caryophylloides (Poir.) Otth subsp. *echinus* (Boiss. & Heldr.) Coode & Cullen

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1010, Endemic, LR(nt).

S. dichotoma Ehrh. subsp. *dichotoma*

Burdur: Above Kirkpınar village, 1600-1800 m, 01.07.2000, E 1031.

S. marschallii C.A.Mey.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 919,

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2063.

S. muradica Schischk.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2060, Endemic, LR(lc).

S. odontopetala Fenzl.

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 169,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 975, Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1074.

S. rhynchocarpa Boiss.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1707,

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2108.

S. spergulifolia (Desf.) M.Bieb.

Burdur: Between Osmankalfalar and Kirkpınar villages, 1400-1500 m, 01.07.2000, E 953,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1092.

S. subconica Friv.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1155.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 1040.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, 08.04.2001, E 941/b.

Vaccaria pyramidata Medik. var. *pyramidata*

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1049.

Velezia rigida L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 1011/a.

CHENOPODIACEAE

Chenopodium album L. subsp. *album* var. *album*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 109.

C. botrys L.

Burdur: Bölmepinar village, vicinity of Üçevler plantation area, 30.09.1999, E 101.

C. foliosum (Moench) F.Asch.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 973.

C. murale L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 901.

CISTACEAE

Helianthemum canum (L.) Baury.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1017.

H. salicifolium (L.) Mill.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1085.

COMPOSITAE

Achillea biebersteinii Afan.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1712.

A. nobilis L. subsp. *neilreichii* (A.Kerner) Forma

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 960.

A. phrygia Boiss. & Ball.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 970, Endemic, LR(lc).

Anacyclus latealatus Hub.- Mor.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1148, Endemic, EN.

Anthemis austriaca Jacq.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1069

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2074.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 120.

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

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 08.04.2001, E 1284.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1122.

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

Burdur: Gencer plateau, 2020-2100 m, 12.11.2000, E 1187.

Artemisia campestris L.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 125/a.

Bellis perennis L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 933/a.

Calendula arvensis L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, observation.

Carduus nutans L. subsp. *nutans*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1004

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1140,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1725.

C. pycnocephalus L. subsp. *albidus* (M.Bieb.) Kazmi

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1118.

Centaurea calolepis Boiss.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1037,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2095, Endemic, LR(lc).

C. cariensis Boiss. subsp. *microlepis* (Boiss.) Wagenitz

Burdur: Bölmepinar village, vicinity of Üçevler plantation area, 30.09.1999, E100,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 121, Endemic, LR(nt).

C. drabifolia Sm. subsp. *austro-occidentalis* Wagenitz

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 146, Endemic, LR(lc).

C. drabifolia Sm. subsp. *detonsa* (Bornm.) Wagenitz

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 965, Endemic, LR(lc).

C. iberica Trev. ex Sprengel

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 2062.

C. reuterana Boiss. var. *reuterana*

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1699, Endemic, LR(lc).

C. solstitialis L. subsp. *solstitialis*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 907/b.

C. triumfettii All.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 997,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2104.

C. urvillei DC. subsp. *urvillei*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 933,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2058.

Chondrilla juncea L. var. *juncea*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 130.

Cichorium intybus L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 131/a.

Cirsium canum (L.) All.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2146.

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

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 159.

C. vulgare (Savi) Ten.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 136.

Cnicus benedictus L. var. *kotschyi* Boiss.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2090.

Crepis foetida L. subsp. *foetida*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1151.

C. frigida (Boiss. & Bal.) Babc.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1728.

Crupina crupinastrum (Moris) Vis.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1133.

Echinops ritro L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 107,

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 156.

E. viscosus DC. subsp. *bithynicus* (Boiss.) Rech.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 131.

Filago eriocephala Guss.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1726.

Gundelia tournefortii L. var. *tenuisecta* Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 22.06.2002, E 2058.

Hieracium pannosum Boiss.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 141.

Helichrysum pallasii (Spreng.) Ledeb.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2134.

H. plicatum DC. subsp. *plicatum*

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1693.

Inula heterolepis Boiss.

Burdur: Bölmepınar village, vicinity of Üçevler plantation area, 30.09.1999, E 89,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 907.

Jurinea consanguinea DC.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 946,

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1050.

Lactuca intricata Boiss.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 984,

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, 16.06.2001, E 1760.

L. saligna L.

Burdur: Bölmepınar village, vicinity of Üçevler plantation area, 30.09.1999, E 96,

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 140.

Leontodon crispus Vill. subsp. *asper* (Waldst. & Kit.) Rohl. var. *asper*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 117,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 983.

L. oxylepis Boiss. & Heldr. var. *oxylepis*

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1697.

Onopordum acanthium L.

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 158.

Picnomon acarna (L.) Cass.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1142/a.

Pulicaria dysenterica (L.) Bernh.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 137.

Scorzonera cana (C.A.Mey.) O.Hoffm. var. *jacquiniana* (W.Koch.) Chamberlain

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E1698,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2107.

S. cana (C.A.Mey.) Hoffm. var. *radicosa* (Boiss.) D.F.Chamb.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1132.

Senecio vernalis Waldst. & Kit.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 08.04.2001, E 1163.

Tragopogon latifolius Boiss. var. *angustifolius* Boiss.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2129.

T. latifolius Boiss. var. *latifolius*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1111.

T. longirostris Bisch. ex Sch.Bip.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1150.

Xeranthemum annuum L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 925,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2145.

CONVOLVULACEAE

Convolvulus arvensis L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1077/a.

C. compactus Boiss.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 995.

C. galaticus Rostan ex Choisy

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2065, Endemic, LR(lc).

C. lineatus L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 963,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, 22.06.2002, E 2068.

CRASSULACEAE

Prometheum sempervivoides (Fisch. ex M.Bieb.) H.Ohba

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, living material.

Rosularia libanotica (Lab.) Muirhead

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 981.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1734.

Sedum album L.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 968,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1748.

S. hispanicum L. var. *hispanicum*

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1747.

S. laconicum Boiss. & Heldr.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1749.

S. urvillei DC.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E955,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2070.

Umbilicus erectus DC.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 945/a.

CRUCIFERAE

Aethionema arabicum (L.) Andrzej. ex DC.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 08.04.2001, E 1300.

A. cordatum (Desf.) Boiss.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2105.

Alyssum condensatum Boiss. & Hausskn. subsp. *condensatum*

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1761.

A. cypricum Nyar.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1716.

A. desertorum Stapf var. *desertorum*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 08.04.2001, E 1305.

A. hirsutum M.Bieb.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500m, 08.04.2001, E 1289.

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

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 944,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1726/a.

A. sibiricum Willd.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1730/a.

A. smyrnaeum C.A.Mey.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 270.

Arabis nova Vill.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 08.04.2001, E 1302

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1706.

Aubrieta canescens (Boiss.) Bornm. subsp. *canescens*

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 144,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1020, Endemic, LR(lc).

A. deltoidea (L.) DC.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 269,

Burdur: Gencer plateau, 2020-2100 m, 21.04.2000, E 275.

Brassica elongata Ehrh.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1029.

Camelina hispida Boiss. var. *grandiflora* (Boiss.) Hedge

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 943, Endemic, LR(lc).

C. rumelica Velen.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1102.

Capsella bursa-pastoris (L.) Medik

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 08.04.2001, E 1278,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2119.

Cardaria draba (L.) Desv. subsp. *chalepensis* (L.) O.E.Schulz

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1080

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2088.

Descurainia sophia (L.) Webb ex Prantl

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1120

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2190.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 940/a.

Erysimum caricum Boiss.

Burdur: Bölmeşinar village, vicinity of Üçevler plantation area, 30.09.1999, E 98,

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 08.04.2001, E 1276,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, 07.07.2002, E 2101, Endemic, VU.

E. crassipes Fisch. & C.A.Mey.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 923.

E. kotschyanum Gay

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 277, Endemic, LR(lc).

Isatis tinctoria L. subsp. *tomentella* (Boiss.) P.H.Davis

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1112/a.

Matthiola longipetala (Vent.) DC. subsp. *bicornis* (Sibth. & W.Sm.) P.W.Ball

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 22.06.2002, E 2283.

Nasturtium officinale R.Br.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1189.

Rorippa aurea (Boiss. & Heldr.) Hub.-Mor.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1708, Endemic, LR(nt).

Sinapis alba L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1090/a.

Sisymbrium altissimum L.

Burdur: Bölmeşinar village, vicinity of Üçevler plantation area, 30.09.1999, E 84,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1090

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2082.

S. orientale L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 929.

Thlaspi perfoliatum L.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 271.

CUSCUTACEAE

Cuscuta approximata Bab. var. *approximata*

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1048.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 909.

DIPSACACEAE

Knautia integrifolia (L.) Berthel var. *bidens* (Sm.) Barbas.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 906,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2080.

Pteropcephalus pinardii Boiss.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2149, Endemic, LR(lc).

P. plumosus (L.) Coult.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1139.

Scabiosa argentea L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 106,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2142.

S. calocephala Boiss.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1036.

EUPHORBACEAE

Euphorbia arvalis Boiss. & Heldr.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 124.

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

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2085.

E. herniariifolia Willd. var. *herniariifolia*

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1756.

E. rigida M.Bieb.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1087/a.

GERANIACEAE

Erodium acaule (L.) Bech. & Thell.

Burdur: Bölmeşinar village, vicinity of Üçevler plantation area, 30.09.1999, E 93,

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 08.04.2001, E 1290.

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

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 263,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1099.

Geranium tuberosum L.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1732.

Pelargonium endlicherianum Fenzl

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2151.

LOBULARIACEAE

Globularia trichosantha Fisch. & C.A.Mey.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 22.06.2002, E 2284.

GUTTIFERAE

Hypericum aviculariifolium Jaub. & Spach subsp. *depilatum* (Frey & Bornm.) Robson var. *bourgaei* (Boiss.) Robson

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 122, Endemic, LR(lc).

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1076

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1696, Endemic, LR(lc).

H. perforatum L.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 134.

ILLECEBRACEAE

Herniaria incana Lam.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2120.

Paronychia argyroloba Stapf

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2124, Endemic, LR(nt).

P. carica Chaudhri

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 942,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1075,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, EC 1691, Endemic, VU.

LABIATAE

Acinos rotundifolius Pers.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1154,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1729,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2109.

Ajuga bombycina Boiss.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1733, Endemic, LR(nt).

A. chamaepithys (L.) Schreb. subsp. *palaestina* (Boiss.) Bornm.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 116.

Lallemantia iberica (Bieb.) Fisch. & C.A.Mey.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1042.

Lamium amplexicaule L.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 261.

L. cariense R. Mill.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 268.

L. lycium Boiss.

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, 16.06.2001 E 1751, Endemic, LR(cd).

Marrubium bourgaei Boiss. subsp. *bourgaei*

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1692,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2126, Endemic, LR(nt).

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

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 132.

Micromeria myrtifolia Boiss. & Hohen.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 111.

Nepeta cilicia Boiss. apud Benth.

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 154.

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

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1059.

N. nuda L. subsp. *lydiae* P.H.Davis

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 940, Endemic, LR(nt).

Phlomis armeniaca Wild.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 951, Endemic, LR(lc).

Salvia aethiopsis L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1103.

S. cadmica Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1082, Endemic, LR(lc).

S. candidissima Vahl subsp. *occidentalis* Hedge

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1153/a.

S. chionantha Boiss.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2081, Endemic, LR(cd).

S. potentillifolia Boiss. & Heldr. ex Benth

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 110, Endemic, LR(nt).

S. psidica Boiss. & Heldr. ex Benth

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1152, Endemic, LR(lc).

Satureja wiedemanniana (Lalem.) Velen.

Burdur: Bölmepinar village, vicinity of Üçevler plantation area 1400 m, 30.09.1999, E 87, Endemic, LR(lc).

Scutellaria orientalis L. subsp. *pinnatifida* J.R.Edm.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 128,

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2076.

Sideritis perfoliata L.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1719.

S. psidica Boiss. & Heldr. apud Benth.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 961, Endemic, LR(nt).

Stachys annua (L.) L. subsp. *ammophyla* (Boiss. & Bl.) F.Sam.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1095

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1153,

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2109/a.

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

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2094, Endemic, LR(lc).

S. cretica L. subsp. *mersinaea* (Boiss.) Rech.f.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2137, Endemic, LR(lc).

S. lavandulifolia Vahl var. *lavandulifolia*

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 962.

Teucrium chamaedrys L. subsp. *chamaedrys*

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 157,

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 168,

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2118.

T. polium L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000,

E 915/a.

Thymus cherlerioides Vis. var. *cherlerioides*

Burdur: Bölmepinar village, vicinity of Üçevler plantation area, 30.09.1999, E 92.

T. longicaulis C.Presl subsp. *chaubardii* (Boiss. & Heldr. ex Rchb.f.) Jalas var. *alternatus* Jalas

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1731.

T. sipyleus Boiss. subsp. *rosulans* (Barbas) Jalas

Burdur: Above Kirkpınar village, 1600-1800 m, 01.07.2000, E 1053.

T. sipyleus Boiss. subsp. *sipyleus* var. *davisiannus* Ronniger

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 990,

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, 16.06.2001, E 1750, Endemic, LR(nt).

T. zygioides Griseb. var. *lycaonicus* (Čelak) Ronniger

Burdur: Between Osmankalfalar and Kirkpınar villages, 1400-1500 m, 01.07.2000, E 947, Endemic, LR(lc).

Wiedemanniana orientalis Fisch. & C.A.Mey.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1112, Endemic, LR(lc).

Ziziphora tenuior L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E999,

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1146.

LEGUMINOSAE

Astragalus amoenus Fenzl

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1689, Endemic, LR(lc).

A. angustifolius Lam. subsp. *angustifolius* var. *angustifolius*

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 996,

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, 16.06.2001, E 1713.

A. angustifolius Lam. subsp. *pungens* (Willd) Hayek

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1083

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2071.

A. brachypterus Fisch.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 958, Endemic.

A. cadmicus Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1110, Endemic, LR(lc).

A. cariensis Boiss.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1000, Endemic, LR(cd).

A. hamosus L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1107

A. hirsutus Vahl

Burdur: Above Kirkpınar village, 1600-1800 m, 01.07.2000, E 1051.

A. lycius Boiss.

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 145.

A. lydius Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1093, Endemic, LR(lc).

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 941.

A. odoratus Lam.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1055.

A. onobrychis L.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 976.

A. oxytropifolius Boiss.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 959, Endemic.

A. pinetorum Boiss.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 276,

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 08.04.2001, E 1282, Endemic, LR(lc).

A. wiedemannianus Fisch.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1001, Endemic.

Colutea melanocalyx Boiss. & Heldr. subsp. *davisiana* (Browicz) Chamb.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 08.04.2001, E 1318, Endemic, LR(lc).

Hedysarum pestalozzae Boiss.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1046, Endemic, LR(lc).

Lathyrus aphaca L. var. *aphaca*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1097/b.

Lathyrus stenophyllus Boiss. & Heldr.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1094

Lotus corniculatus L. var. *alpinus* Ser.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1016.

Medicago coronata (L.) Bart.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1144

M. lupulina L.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1014,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1688.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1097

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 08.04.2001, E 1286.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1113/a.

M. x varia Martyn

Burdur: Between Bölmeşinar and Osmankalfalar villages, 1400-1450 m, 30.09.1999, E 91,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1045

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1096,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2064.

Melilotus officinalis (L.) Desr.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1030.

Onobrychis cornuta (L.) Desv.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 956.

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

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 143.

O. oxydonta Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 994,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1089,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1687.

Ononis spinosa L.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1021.

Trifolium campestre Schreb.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1099/a,

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1938/a.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 122/a.

T. resupinatum L. var. *resupinatum*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1099/b.

Trigonella aurantiaca Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 2193.

T. balansae Boiss. & Reut.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 915.

T. cariensis Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E1084.

T. coerulea (M.Bieb.) Hal.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 22.06.2002, E 2281.

T. spruneriana Boiss. var. *spruneriana*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E1114.

Vicia anatolica Turrill

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2066.

V. ervilia (L.) Willd

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 2199.

LINACEAE

Linum hirsutum L. subsp. *pseudoanatolicum* P.H.Davis

Burdur: Above Kirkpınar village, 1600-1800 m, 01.07.2000, E 1032, Endemic, LR(lc).

MALVACEAE

Alcea pallida Waldst. & Kit.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 895.

Malva neglecta Wallr.

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 161.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1057.

MORINACEAE

Morina persica L.

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 160.

OLEACEAE

Jasminum fruticans L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1070.

OROBANCHACEAE

Orobanche nana Noe ex Beck

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2116.

O. ramosa L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1171.

PAPAVERACEAE

Fumaria asepalae Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1091,

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2132.

Glacium corniculatum (L.) Rudolph

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000,

E 1088/b.

G. leiocarpum Boiss.

Burdur: Bölmepınar village, vicinity of Üçevler plantation area, 30.09.1999, E 83.

Hypocoum imberbe Sibth. & Sm.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 260,

Burdur: Between Osmankalfalar and Kirkpınar villages, 1400-1500 m, 01.07.2000, E 1108.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 08.04.2001, E 1278.

H. pendulum L.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2087.

Papaver apokrinomenon Fedde

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1745, Endemic, LR(lc).

P. rhoeas L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000,

E 1143/a.

PLANTAGINACEAE

Plantago lanceolata L.

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2122.

PLUMBAGINACEAE

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

Burdur: Bölmepınar village, vicinity of Üçevler plantation area, 30.09.1999, E 90,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 897,

Burdur: Between Osmankalfalar and Kirkpınar villages, 1400-1500 m, 01.07.2000, E 954,

Burdur: Kirkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2121.

A. venustum Boiss. var. *laxiflorum* (Boiss. ex Bunge) Bakhari

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 935.

A. venustum Boiss. var. *venustum*

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 149.

Plumbago europaea L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 127.

POLYGALACEAE

Polygala pruinosa Boiss. subsp. *pruinosa*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 934/b,

Burdur: Above Kirkpınar village, 1600-1800 m, 01.07.2000, E 1028/b.

POLYGONACEAE

Atraphaxis billardieri Jaub. & Spach var. *billardieri*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 922.

Polygonum cognatum Meisn.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 912.

P. patulum M.Bieb.

Burdur: Above Kirkpınar village, 1600-1800 m, 01.07.2000, E 1039.

Rumex crispus L.

Burdur: Above Kirkpınar village, 1600-1800 m, 01.07.2000, E 1038.

PORTULACACEAE*Portulaca oleracea* L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 129.

PRIMULACEAE*Androsacea maxima* L.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 985.

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

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2096.

A. flammea Jacq.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1121.

Ceratocephalus falcatus (L.) Pers.

Burdur: Between Osmankalfalar and Kırkpınar village, 1400-1500 m, 08.04.2001, E 1295.

Consolida hellespontica (Boiss.) Chater

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1027.

C. orientalis (Gay) Schrod.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1026.

C. raveyi (Boiss.) Schrod.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 927,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2092, Endemic, LR(lc).

Delphinium peregrinum L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 928,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2136/a.

Nigella arvensis L. var. *glauca* Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 924,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2083.

Ranunculus argyreus Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 924/b.

R. arvensis L.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1034.

RESEDACEAE*Reseda lutea* L. var. *lutea*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1088.

R. lutea L. var. *nutans* Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 2091,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2194.

ROSACEAE*Amygdalus orientalis* Mill.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 279,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 930,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2131.

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

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 274,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 957,

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 08.04.2001, E 1291.

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

Burdur: Bölmepınar village, vicinity of Üçevler plantation area, 30.09.1999, E 102.

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

Burdur: Bölmepınar village, vicinity of Üçevler plantation area, 30.09.1999, E 104.

Potentilla recta L.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 975,

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1056,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1722,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2139.

P. reptans L.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1054.

Pyrus amygdaliformis Vill. var. *amygdaliformis*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, observation.

Rosa canina L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, observation.

Rosa pulverulenta M.Bieb.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 988.

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999,

E 120/a.

RUBIACEAE*Asperula nitida* Sm. subsp. *hirtella* (Boiss.) Ehrend.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2102, Endemic, LR(nt).

Crucianella disticha Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 916, Endemic, LR(lc).

Cruciata taurica (Pall. ex Willd.) Ehrend.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 266,

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 08.04.2001, E 1281.

Galium aparine L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 115/a.

Galium incanum Sm. subsp. *centrale* Ehrend.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1704, Endemic, LR(lc).

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 115,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 986.

G. subuliferum Sommer & Lev.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 900.

G. verticillatum Danthoine ex Lam.

Burdur Gencer plateau, 2020-2100 m, 16.06.2001, E 1741/a.

G. verum L. subsp. *verum*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1071/b.

Putoria calabrica (L.f.) DC.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2151.

RUTACEAE

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

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 914.

SALICACEAE

Salix alba L.

Burdur: Bölmepınar village, vicinity of Üçevler plantation area, 30.09.1999,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000,

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000,

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, observation.

SANTALACEAE

Thesium billardieri Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 08.04.2001, E 1297.

SCROPHULARIACEAE

Linaria corifolia Desf.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 898,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1078, Endemic, LR(lc).

L. kurdica Boiss. & Hohen. subsp. *ericalyx* (Boiss.) P.H.Davis

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 22.06.2002, E 2072, Endemic, EN.

L. simplex (Willd) DC.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1073.

Scrophularia rimarum Bornm.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1709.

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

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 977.

Veronica anagallis-aquatica L.

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 165.

V. elmaliensis M.A.Fisch.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 267,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2128, Endemic, LR(nt).

SOLANACEAE

Datura stramonium L.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2101/a.

Hyocyamus niger L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1071.

THYMELACEAE

Daphne oleoides Schreb. subsp. *oleoides*

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 150.

UMBELLIFERAE

Artemisia squamata L.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2140.

Bifora radians M.Bieb.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2084.

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

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1743.

B. pestalozzae Boiss.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2107/a.

Bupleurum croceum Fenzl

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1024.

B. gracile d'Urv.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 908,

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 950.

Conium maculatum L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000,

E 1145/a.

Daucus carota L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 920/b.

Eryngium campestre L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1152/a.

Falcaria vulgaris Bernh.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2061.

Ferula lycia Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1106, Endemic, LR(cd).

Ferulago aucheri Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 964,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1013,

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1164, Endemic, LR(lc).

Foeniculum vulgare Mill.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500m, 1.06.2000, E 2191/a.

Heracleum humile Sm.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 952.

Laserpitium petrophilum Boiss. & Heldr.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 993,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1721, Endemic, LR(nt).

Lisaea papyracea Boiss.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1043/a.

Opopanax hispidus (Friv.) Gris

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, observation.

Prangos meliocarpoides Boiss. var. *meliocarpoides*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 899, Endemic, LR(lc).

Scandix iberica M.Bieb.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1035.

S. pecten-veneris L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1143.

Tordylium lanatum (Boiss.) Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 918, Endemic, VU.

Torilis nodosa (L.) Gaertn.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2069.

T. ucranica Sprengel

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 920.

Turgenia latifolia (L.) Hoffm.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E1043,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2078.

Turgeniopsis foeniculacea (Fenzl) Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1157.

URTICACEAE

Parietaria judaica L.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, observation.

Urtica dioica L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000,

E 1116/a.

VALERIANACEAE

Valeriana dioscoridis Sm.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 278.

Valerianella vesicaria (L.) Moench

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000,

E 1138.

ZYGOPHYLLACEAE

Tribulus terrestris L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.2000, E 113.

MONOCOTYLEDONES

ARACEAE

Dracunculus vulgaris Schott

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, observation.

CYPERACEAE

Carex distans L.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1060.

Carex hordeistichos Vill.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 986.

Eleocharis mitracarpa Steud.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1062.

Scirpoides holoschoenus (L.) Soják

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 139.

GRAMINAE

Aegilops geniculata Roth

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 903,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1129.

A. markrafii (Greuter) Hammer

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 917.

Aira elegantissima Schur subsp. *ambigua* (Arc.) M.Dogan

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 971.

Arrhenatherum palaestinum Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1116.

Avena sterilis L. subsp. *sterilis*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 932.

Bellardiochloa carica R.B.Mill.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1741, Endemic, EN.

Briza maxima L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000,

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, observation.

B. media L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 85/a,

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 948/a.

Bromus lanceolatus Roth

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1701.

B. squarrosus L.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 939,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1002.

B. tomentellus Boiss.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 910,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1134.

B. tectorum L.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1694.

Dactylis glomerata L. subsp. *glomerata*

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1739.

Elymus lazicus (Boiss.) Melderis subsp. *divaricatus* (Boiss. & Bal.) Melderis

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 936,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 989,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1758, Endemic, LR(lc).

Eragrostis minor Host

Burdur: Bölmepınar village, vicinity of Üçevler plantation area, 30.09.1999, E 99.

Festuca pinifolia (Hack. ex Boiss.) Bornm. var. *phrygia* (St.-Yves) Markgr.-Dann.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1684.

F. pinifolia (Hack. ex Boiss.) Bornm. var. *pinifolia*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 992,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1086,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1711.

F. sipylea (Hack.) Markgr.-Dann.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 30.09.1999, E 118.

Helictotrichon pratense (L.) Besser Schult. ex Schult.f.

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1008.

H. pubescens (Huds.) Besser ex Schult.f.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 2189.

Hordeum bulbosum L.

Burdur: Bölmepınar village, vicinity of Üçevler plantation area, 30.09.1999, E 85,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 926, Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1065.

H. murinum L. subsp. *leporinum* (Link) Arc. var. *leporinum*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1160.

Koeleria cristata (L.) Pers.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 934,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 978,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1685.

Melica ciliata L. subsp. *ciliata*

Burdur: Bölmepınar village, vicinity of Üçevler plantation area, 30.09.1999, E 97,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 902.

M. ciliata L. subsp. *magnolii* (Gren. & Godr.) Husnot

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 904.

Milium vernale M.Bieb. subsp. *montianum* (Parl.) Jah. & Maire

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 22.06.2002, E 2100.

Phleum exaratum Hochst. ex Griseb. subsp. *exaratum*

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1135.

Phragmites australis (Cav.) Trin. ex Steud.

Burdur: Bölmeşinar village, vicinity of Üçevler plantation area, 30.09.1999,

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, observation.

Poa bulbosa L.

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1735.

Stipa holosericea Trin.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1064,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1130,

Burdur: Gencer plateau, 2020-2100 m, 16.06.2001, E 1740.

S. pulcherrima C.Koch subsp. *epilosa* (Martinovsky) Tzvelev

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 980.

Taeniatherum caput-medusae (L.) Nevski subsp. *crinitum* (Schreb.) Melderis

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 938.

IRIDACEAE

Crocus danfordiae Maw

Burdur: Rahat D., 2000 m, T.Baytop et al. 8402, Endemic, LR(lc).

C. biflorus Mill. subsp. *isauricus* (Siehe ex Bowles) S.P.Mathew

Burdur: Rahat D., T.Baytop et al. 8401, Endemic, LR(lc).

Crocus pallasii Goldb. subsp. *pallasii*

Burdur: Gencer plateau, 2020-2100 m, 30.09.1999, E 163.

JUNCACEAE

Juncus inflexus L.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 30.09.1999, E 138,

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 01.07.2000, E 1061.

LILIACEAE

Allium flavum L. subsp. *flavum* var. *flavum*

Burdur: Kırkpınar village, vicinity of chrome mine shaft, 2000 m, 07.07.2002, E 2141.

A. hirtovaginatatum Cand.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 01.07.2000, E 948.

A. stylosum O.Schwarz

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.07.2000, E 896, Endemic, LR(lc).

Gagea granatellii (Parl.) Parl.

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 272,

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 08.04.2001, E 1285.

Merendera attica (Spruner) Boiss. ex Spruner

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 08.04.2001, E 1304.

Muscari bourgaei Baker

Burdur: Vicinity of Osmankalfalar village, 1450-2000 m, 21.04.2000, E 259, Endemic, LR(lc).

M. neglectum Guss.

Burdur: Between Osmankalfalar and Kırkpınar villages, 1400-1500 m, 08.04.2001, E 1292.

Ornithogalum pyrenaicum L.

Burdur: Above Kırkpınar village, 1600-1800 m, 01.07.2000, E 1028.

O. ulophyllum Hand.-Mazz.

Burdur: Between Çomak pass and Osmankalfalar village, 1440-1500 m, 01.06.2000, E 1145.

POTAMOGETONACEAE

Groenlandia densa (L.) Fourr.

Burdur: Gencer plateau, 2020-2100 m, 01.06.2000, E 1188.