
Derleme / Review

Şanlıurfa'da Yapılmış Floristik Çalışmalara Genel Bir Bakış

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Öz

2000'li yıllardan başlayarak Şanlıurfa il sınırları içinde floristik ve fitososyolojik çalışmaların artmasıyla daha önce Şanlıurfa florasında kaydedilmemiş birçok takson tespit edilmiştir. Floristik çalışmaların yanı sıra, fitososyolojik çalışmaların bitki birliği tabloları da, bitki listelerinin yerini almaktadır. Bu çalışma ile son 15 yılda yapılan floristik ve fitososyolojik çalışmaların tümü incelenerek Şanlıurfa florasına ait bitki taksonlarının endemizm, hayat formu ve fitocoğrafik bölge yönlerinden değerlendirilmesi yapılmıştır. Bu çalışma ile 460 cins ve 88 familyaya ait 1668 takson tespit edilmiştir. Çalışma alanında 107 (%6) adet endemik takson da belirlenmiştir. Bu taksonlar, Plantae aleminden Pteridophyta (3) divizyonu ile Spermatophyta divizyonunun Gymnospermae (1) ve Angiospermae (1664) alt divizyonuna aittir. Taksonların fitocoğrafik bölgelere göre dağılım oranları şöyledir: İran-Turan elementleri %33 (546), Akdeniz elementleri %9 (139), Doğu Akdeniz elementleri %8 (136), Avrupa-Sibirya elementleri %3 (54), Batı Akdeniz elementleri %0,2 (3), Sahra-Sind %0,2 (3), Sahra-Arap %0,05 (1) ve bilinmeyenler %47 (786)'dir. İçerdikleri tür sayısına göre alandaki en büyük beş familya sırasıyla; Asteraceae (235), Fabaceae (234), Poaceae (131), Brassicaceae (97) ve Lamiaceae (95)'dir. İlk beş sırayı alan cinsler ise *Astragalus* L. (50), *Trifolium* L. (39), *Vicia* L. (29), *Euphorbia* L. (27) ve *Centaurea* L. (25)'dir.

Anahtar kelimeler: Flora, Vejetasyon, Yeni Kayıt, Şanlıurfa, Türkiye.

An Overview of Floristic Studies in Şanlıurfa

Abstract

As a result of increase in the floristic and phytosociological studies within the boundaries of the province Şanlıurfa starting from the 2000's, many taxa have been identified that are not recorded before in the flora of Şanlıurfa. Besides the floristic studies, plant association tables of phytosociological studies substitute the flora lists. With this study, all the floristic and phytosociological studies done in last 15 years were assessed and evaluated all the plant taxa determined in the flora of Şanlıurfa from the aspects of endemism, life form, phytogeography etc. With this study, 460 genera and 1668 taxa belonging to 88 families were determined. In the study area, 107 (6%) endemics taxa were determined. These taxa belong to Plantae kingdom; Gymnospermae (1) and Angiospermae (1664) subdivisio within Spermatophyta divisio and Pteridophyta (3) divisio. According to phytogeographical regions, taxa's distribution ratios are; Irano-Turanian element 33% (546), Mediterranean element 9% (139), East Mediterranean element 8% (136), Euro-Siberian element 3% (54), West Mediterranean element 0,2% (3), Saharo-Sindian 0,2% (3), Saharo-Arabian 0,05% (1) and unknown 47% (786). The biggest five families by the number of the taxa that they contain are; Asteraceae (235), Fabaceae (234), Poaceae (131), Brassicaceae (97) and Lamiaceae (95). The highest diverted genera found in the study area are; *Astragalus* L. (50), *Trifolium* L. (39), *Vicia* L. (29), *Euphorbia* L. (27), and *Centaurea* L. (25).

Keywords: Flora, Vegetation, New Record, Şanlıurfa, Turkey.

1. Giriş

Şanlıurfa'nın da içinde bulunduğu Güneydoğu Anadolu Bölgesi'nin florası hakkındaki bilgiler Türkiye Florası [1a, 1b, 1c] adlı eserde maalesef yeteri kadar yer almamıştır. Güneydoğu Anadolu Bölgesi flora

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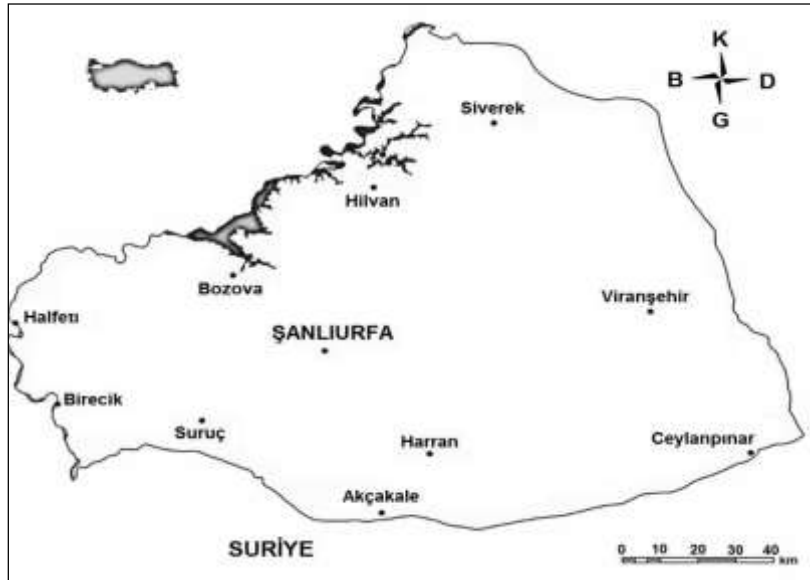
ve vejetasyon açısından az incelenmiş bölgelerden biridir. Bunun başlıca sebeplerinden biri bu bölgeye botanik amaçlı gezilerin yeterince yapılmamış olmasıdır. Burada botanikçilerin ilgisizliğinin nedeni olarak bölgenin topografik yapısının sadeliğine bağlı olarak bitki çeşitliliğinin yeterince dikkate değer olmaması olabilir. Bu temel esere göre [1a, 1b, 1c] bölgede bitki toplayan başlıca araştırmacılar arasında Kotschy, Sintenis, Haussknecht, Handel-Mazzetti, Nábělek, Huber-Morath, G.E. Post ve M. Zohary dikkat çekmektedir.

1990 yılından sonra bölgede kurulan üniversitelerin Biyoloji Bölümü'nde çalışan bitki araştırmacıları tarafından yapılan floristik ve fitososyolojik çalışmalar neticesinde bölge hakkında bilgilerimizde artış sağlanmıştır. Son 25 yıldır Güneydoğu Anadolu Bölgesi ve özellikle Şanlıurfa ili flora ve vejetasyonu hakkında yapılan çalışmalar bu bilinmezliği nispeten ortadan kaldırmış ve bu çalışmalar neticesinde bölge orta bilinen bölgelerimizden biri olmaya başlamıştır.

Şanlıurfa coğrafik olarak Güneydoğu Anadolu Bölgesi'nde, fitocoğrafik açıdan ise İran-Turan fitocoğrafik bölgesinin Mezopotamya provensi içinde yer almaktadır. Grid Sisteme [1a] göre de C6, C7 ve C8 karelerine girmektedir.

Şanlıurfa ilindeki floristik çalışmaların bir kısmı Karacadağ [4], Kaşmer Dağı [7], Kalecik Dağı [9], Fatik Dağları [13], Arat Dağı [15], Direkli Tepeleri [19], Tek Tek Dağları [22] gibi dikkat çeken yükseltilerde yapılmıştır. Bunun yanında bazı floristik çalışmalar da Ceylanpınar Devlet Üretim Çiftliği [3], Birecik Baraj Gölü Çevresi [5], Osmanbey Kampüsü [11], Mezra Yöresi [12], Zeytinbahçe-Akarçay Yöresi [16], Çaylarbaşı Mevkii [31], Kızılkuyu YHGS [32] ve Gölpınar Mesire Alanı [36] gibi sınırlı alanlar yapılmıştır. Diğer taraftan bazı çalışmalar ise bir hayat formu [17] veya familyanın [18, 33] Şanlıurfa ilindeki tüm üyelerinin tespit edilmesi üzerine daha spesifik bir çalışma olarak gerçekleştirilmiştir. Şanlıurfa Florası'nda tespit edilen bazı taksonlar da yeni kayıt [2, 8, 14, 20, 21, 27, 30, 37] ve katkı [6] çalışmaları sonucunda belirlenmiştir. Bitki sosyolojisi çalışmalarında belirlenen bitki birliklerinin tabloları da bir flora listesidir. Bu çalışmalarda [10, 23-26, 28, 29, 34, 35] kaydedilen taksonlar da Şanlıurfa florasına eklenmiştir.

Bu çalışma ile Türkiye Florası [1a, 1b, 1c] adlı eserde kayıtlı Şanlıurfa iline ait taksonlara bilimsel yayımlar taranarak tespit edilen taksonlar da eklenerek güncel Şanlıurfa Florası tespit edilmeye çalışılmıştır (Şekil 1).



Şekil 1. Şanlıurfa'nın coğrafik haritası

2. Materyal ve Metot

Şanlıurfa ilinin florasını oluşturan bitki taksonları yazılırken alfabetik sıra takip edilmiştir. Bitki listesi yazılırken, sırasıyla önce familya, cins adı sonra tür adı varsa tür altı takson adı ötürleri ile verilmiştir. Daha sonra taksonun hayat formu, var ise, fitocoğrafik bölgesi ve endemizm durumu ve tespit edildiği çalışmaların numarası (Tablo 1) yazılmıştır. Taksonların son güncel taksonomik kategorileri ve geçerli takson isimleri için Güner ve arkadaşları [40]'nın çalışmasından yararlanılmıştır. Taksonların hayat

formları Raunkiaer [38]'e göre belirlenmiştir. Her bir taksonun otör kısaltmaları Brummitt ve Powell [39]'dan kontrol edilerek yazılmıştır.

Tablo 1. Tespit edilen taksonların bulunduğu çalışmalar

1. Davis (ed.), 1965-1985; Davis vd. (eds.), 1988; Güner vd.. (eds.) 2000 – Flora of Turkey Vol. 1-11	20. Cabi ve Doğan, 2009 – A first vouchered wild record for the flora of Turkey: <i>Aegilops juvenalis</i>
2. Aytaç ve Adıgüzel, 1999 - A New Genus (<i>Mericalpaea</i>)	21. Freitag vd., 2009 – The Genus <i>Halothamnus</i> in Turkey
3. Adıgüzel ve Aytaç, 2001 – Flora of Ceylanpınar State Farm	22. Kaya ve Ertekin, 2009 – Flora of Tek Tek Mountains
4. Ertekin, 2002 - Karacadağ Bitki Çeşitliliği	23. Kaya, 2009 – Forest and Dry Stream Vegetation of Karacadağ Mountain (Şanlıurfa/Diyarbakır)
5. Aslan, 2002 – Birecik Baraj Gölü Alanı Bitkileri	24. Kaya ve Ketenoğlu, 2010 – Steppe Vegetation of Karacadağ Mountain (Şanlıurfa/Diyarbakır)
6. Tugay ve Öztürk, 2003 – Contribution to the flora of East and Southeastern Turkey	25. Kaya, 2010 – Kaşmer Dağı (Şanlıurfa) Step Vegetasyonu
7. Akan vd., 2005 – Flora of Kaşmer Dağı (Şanlıurfa)	26. Kaya vd., 2010 – Secondary Vegetation of Harran Plain (Şanlıurfa-Turkey)
8. Akan ve Eker 2005 – A new record for Turkey <i>Colchicum crocifolium</i>	27. Eker ve Koyuncu, 2011 – <i>Allium olivieri</i> a new taxon to Turkey
9. Aydoğdu ve Akan, 2005 – Flora of Kalecik mountain	28. Kaya, 2011 – New steppic syntaxa from Southeastern Anatolia (Şanlıurfa-Turkey)
10. Aslan ve Atamov, 2006 – Flora and vegetation of stony walls in southeastern Turkey (Şanlıurfa)	29. Kaya vd., 2011 – Secondary vegetation caused by overgrazing on Arat Mountain
11. Parmaksız vd., 2006 – Flora of Osmanbey Campus of Harran University (Şanlıurfa)	30. Kaya ve Ertekin, 2012 – A new hybrid record for Turkey: <i>Phlomis x praetervis</i>
12. Atamov vd., 2007 – Flora of Mezra City	31. Cevheri, 2012 – Çaylarbaşı (Şanlıurfa) Vegetasyonu
13. Atamov vd., 2007 – Flora of Fatik Mountain	32. Akıl ve Kaya, 2013 – Kızılkuyu YHGS Florası
14. Akan ve Balos, 2008 – A New Record for Turkey: <i>Biarum syriacum</i>	33. Abak ve Akan, 2014 - The Flora of Asteraceae family in Şanlıurfa
15. Korkut vd., 2008 – Arat Dağı Florası	34. Kaya, 2014 – Phytosociological Analysis on Kızılkuyu Wildlife Development Area
16. Balos ve Akan, 2008 – Flora of the region between Zeytinbahçe and Akarçay (Birecik, Şanlıurfa)	35. Kaya, 2014 – Phytosociological Analysis on the National Park of the Tek Tek Mountains
17. Eker vd., 2008 – The Geophytic Flora of Şanlıurfa	36. Akan ve Ayaz, 2016 – Gölpınar (Şanlıurfa-Turkey) Mesire Yeri Florası
18. Mirdeslioğlu, 2008 – Şanlıurfa Leguminosae Fam.	37. Yıldırım vd., 2016 – <i>Biarum aleppicum</i> Türkiye için yeni tür kaydı
19. Atamov vd., 2009 – Direkli Tepeleri Florası	

Kısaltmalar

Ph: Fanerofit	Pt: Eğrelti
Ch: Kamefit	End.: Endemik
H: Hemikriptofit	Ir.-Tur.: İran-Turan
Cr (G): Kriptofit-Geofit	Medit.: Akdeniz
Cr (Hy): Kriptofit-Hidrofit	E.Medit.: Doğu Akdeniz
Cr (He): Kriptofit-Helofit	W.Medit.: Batı Akdeniz
Th: Terofit	Euro-Sib.: Avrupa Sibirya

3. Bulgular ve Tartışma

Şanlıurfa florasında 88 familyadan 460 cinse ait 1668 takson tespit edilmiştir. Bu taksonların 1199'u tür, 304'ü alttür ve 165'i ise varyete'dir. Bu taksonlar Plantae aleminden Pteridophyta (3) divizyonu ile Spermatophyta divizyonunun Gymnospermae (1) ve Angiospermae (1664) alt divizyonlarına aittir. Bu taksonlardan 107 tanesi endemiktir (Tablo 2).

Tablo 2. Taksonların kategorilere göre dağılımları

Bölüm	Takson Sayısı	Sınıf	Takson Sayısı	Alt Sınıf	Takson Sayısı
Pteridophyta	3	Filicopsida	2	Polypodiidae	2
		Equisetopsida	1	Equisetidae	1
		Gymnospermae	1	-	1
Spermatophyta	1665	Angiospermae	1664	Dicotyledonae	1396
				Monocotyledonae	268

3.1. Floristik Liste

Acanthaceae

- Acanthus dioscoridis* L. var. *dioscoridis* H, Ir.-Tur., 4, 22, 23, 31
Acanthus hirsutus Boiss. subsp. *syriacus* (Boiss.) Brummitt H, E.Medit., 1, 5, 9
Acanthus mollis L. H, W.Medit., 4

Amaranthaceae

- Amaranthus albus* L. Th, 3, 36
Amaranthus blitoides S.Watson Th, 15, 26, 36
Amaranthus retroflexus L. Th, 4, 5, 15, 16, 22, 32
Amaranthus viridis L. Th, 26
Atriplex leucoclada Boiss. H, 26
Atriplex nitens Schkuhr Th, 5, 10
Bassia scoparia (L.) A.J.Scott Th, 36
Camphorosma monspeliaca L. subsp. *lessingii* (Litv.) Aellen Ch, 12
Chenopodium album L. subsp. *album* var. *album* Th, 3, 5, 12, 15, 16, 26, 31, 36
Chenopodium album L. subsp. *iranicum* Aellen Th, 16
Chenopodium botrys L. Th, 5, 16
Chenopodium foliosum Asch. Th, 4, 24, 26
Chenopodium murale L. Th, 5, 10
Chenopodium vulvaria L. Th, 5, 11
Halothamnus hierochunticus (Bornm.) Botsch. H, 21, 26
Noaea mucronata (Forssk.) Asch. & Schweinf. subsp. *mucronata* Ch, 12, 34
Noaea tournefortii (Spach) Moq. Ch, 4, 23, 24
Salsola incanescens C.A.Mey. Th, Ir.-Tur., 26
Salsola kali L. Th, 5
Salsola tragus L. subsp. *tragus* Th, 5, 11, 15, 16, 36

Amaryllidaceae

- Allium ampeloprasum* L. Cr (G), Medit., 5, 12, 17
Allium asclepiadeum Bornm. Cr (G), Ir.-Tur., 17
Allium callidictyon C.A.Mey. ex Kunth Cr (G), Ir.-Tur., 17
Allium calypttratum Boiss. Cr (G), E.Medit., 17
Allium cardiostemon Fisch. & C.A.Mey. Cr (G), Ir.-Tur., 4, 17, 23, 24, 31
Allium chrysantherum Boiss. & Reut. Cr (G), Ir.-Tur., 1, 3, 17
Allium dictyoprasum C.A.Mey. ex Kunth Cr (G), Ir.-Tur., 5, 16, 17
Allium flavum L. subsp. *tauricum* (Besser ex Rchb.) K.Richt. var. *tauricum* Cr (G), Medit., 7, 12, 13, 17
Allium kharputense Freyn & Sint. Cr (G), Ir.-Tur., 1, 4, 17
Allium myrianthum Boiss. Cr (G), Ir.-Tur., 16
Allium nigrum L. Cr (G), Medit., 1, 12
Allium noeanum Reut. ex Regel Cr (G), Ir.-Tur., 1, 4, 11, 17
Allium olivieri Boiss. Cr (G), Ir.-Tur., 27
Allium orientale Boiss. Cr (G), E.Medit., 17
Allium phaneranthum Boiss. & Hausskn. subsp. *phaneranthum* Cr (G), E.Medit., 5
Allium pallens L. subsp. *pallens* Cr (G), Medit., 1, 7, 16, 17
Allium schergianum Boiss. Cr (G), Ir.-Tur., 16
Allium schubertii Zucc. Cr (G), E.Medit., 17
Allium scorodoprasum L. subsp. *rotundum* (L.) Stearn Cr (G), Medit., 3, 5, 7, 9, 11, 12, 16, 17, 19, 25, 36
Allium scorodoprasum L. subsp. *scorodoprasum* Cr (G), Euro-Sib., 32, 34

- Allium stamineum* Boiss. **Cr (G), E.Medit., 7, 12, 13, 15, 16, 17, 36**
Allium trachycoleum Wendelbo **Cr (G), Ir.-Tur., 4, 15, 17, 29**
Allium variegatum Boiss. **Cr (G), Ir.-Tur., End., 17**
Sternbergia clusiana (Ker Gawl.) Ker Gawl. ex Spreng. **Cr (G), Ir.-Tur., 1, 15, 17**
Sternbergia colchiciflora Waldst. & Kit. **Cr (G), 17**
Sternbergia fischeriana (Herb.) Roem. **Cr (G), 7, 16, 17**
Anacardiaceae
Cotinus coggygria Scop. **Ph, 1, 5**
Pistacia khinjuk Stocks **Ph, Ir.-Tur., 1, 4, 11, 12, 15, 24, 36**
Pistacia palaestina Boiss. **Ph, E.Medit., 5, 22, 29, 35**
Pistacia vera L. **Ph, Ir.-Tur., 1, 12, 36**
Rhus coriaria L. **Ph, 5, 12, 16, 36**
Apiaceae
Actinolema eryngioides Fenzl **Th, Ir.-Tur., 1**
Actinolema macrolema Boiss. **Th, Ir.-Tur., 1**
Ammi majus L. **H, Medit., 5**
Ammi visnaga (L.) Lam. **Th, Medit., 1, 5, 16, 31**
Anthriscus nemorosa (M.Bieb.) Spreng. **H, 5**
Artedia squamata L. **Th, 1, 11, 16, 19, 22, 32, 35, 36**
Bifora radians M. Bieb. **Th, 13, 15**
Bifora testiculata (L.) Spreng. **Th, 3, 9, 13, 15**
Bilacunaria scabra (Fenzl) Pimenov & V.N.Tikhom. **H, Ir.-Tur., 3, 36**
Bunium paucifolium DC. var. *paucifolium* **H, Ir.-Tur., 1, 3, 5, 7, 9**
Bupleurum aleppicum Boiss. **Th, Ir.-Tur., 1, 3, 22, 32, 35**
Bupleurum brevicaule Schltld. **Th, Ir.-Tur., 1, 5, 16**
Bupleurum cappadocicum Boiss. **Th, Ir.-Tur., 7, 19, 36**
Bupleurum croceum Fenzl **Th, Ir.-Tur., 1, 16, 26**
Bupleurum gerardii All. **Th, 1, 3, 9, 11, 13, 15**
Bupleurum kurdicum Boiss. **Th, Ir.-Tur., 1, 3, 4, 23, 24**
Bupleurum lancifolium Hornem. **Th, 3**
Bupleurum odontites L. **Th, 4**
Bupleurum rotundifolium L. **Th, 4, 24, 31**
Caucalis platycarpus L. **Th, 5**
Chaerophyllum libanoticum Boiss. & Kotschy **H, E.Medit., 5**
Conium maculatum L. **Th, 3, 5**
Coriandrum tordylium (Fenzl) Bornm. **Th, Ir.-Tur., 1**
Daucus broteri Ten. **Th, Medit., 5, 7, 9, 16**
Daucus carota L. **Th, 5, 12**
Daucus guttatus Sm. **Th, 3, 15**
Echinophora tenuifolia L. subsp. *sibthorpiana* (Guss.) Tutin **Ch, Ir.-Tur., 9, 12, 15, 16, 36**
Eryngium billardierei F.Delaroche **H, Ir.-Tur., 3, 36**
Eryngium bithynicum Boiss. **H, Ir.-Tur., End., 3, 16**
Eryngium campestre L. var. *virens* Link **H, 1, 3, 5, 11, 12, 23, 24, 31, 32, 35, 36**
Eryngium creticum Lam. **H, E.Medit., 1, 3, 5, 11, 12, 13, 15, 16, 19, 32, 34, 35**
Eryngium falcatum F.Delaroche **H, E.Medit., 22, 28, 32, 35**
Eryngium glomeratum Lam. **H, 3, 4, 22, 24, 25, 28, 31, 32, 35**
Eryngium pyramidale Boiss. & Hausskn. **H, Ir.-Tur., 1, 3**
Falcaria vulgaris Bernh. **H, 4**
Ferula orientalis L. **H, Ir.-Tur., 4, 23**
Ferulago macrocarpa (Fenzl) Boiss. **H, Ir.-Tur., 1, 3, 5, 12, 16, 19**
Foeniculum vulgare Mill. **H, 5**
Grammosciadium daucoides DC. **H, Ir.-Tur., 1**
Grammosciadium macrodon Boiss. **H, Ir.-Tur., 1, 4, 24**
Heptaptera anisoptera (DC.) Tutin **H, 1, 3**
Johrenia dichotoma DC. **H, 22, 35**
Lagoecia cuminoides L. **Th, Medit., 1, 3, 4, 7, 12, 13, 16, 22, 24, 32, 34, 35, 36**
Lecokia cretica (Lam.) DC. **H, 23**
Lisaea heterocarpa (DC.) Boiss. **Th, Ir.-Tur., 1, 9, 15**
Lisaea papyracea Boiss. **Th, Ir.-Tur., 3**
Lisaea strigosa (Banks & Sol.) Eig **Th, Ir.-Tur., 1**

- Malabaila lasiocarpa* Boiss. **H, Ir.-Tur., End., 22, 35**
Malabaila secacul (Mill.) Boiss. subsp. *secacul* **H, 1, 3, 4, 16, 19, 23, 24, 31**
Oliveria decumbens Vent. **Th, 1, 3**
Orlaya daucoides (L.) Greuter **Th, Medit., 1, 3**
Ormosciadium aucheri Boiss. **Th, 7**
Pastinaca pimpinellifolia M.Bieb. **H, 7**
Pimpinella corymbosa Boiss. **H, Ir.-Tur., 1, 3, 5, 9, 10, 15, 16, 22, 35**
Pimpinella cretica Poir. var. *cretica* **Th, E.Medit., 15**
Pimpinella eriocarpa Banks & Sol. **Th, Ir.-Tur., 1, 3, 7, 9, 15, 16, 29, 32, 34**
Pimpinella kotschyana Boiss. **H, Ir.-Tur., 23, 24**
Pimpinella puberula (DC.) Boiss. **Th, Ir.-Tur., 1, 5, 7, 19**
Prangos meliocarpoides Boiss. var. *meliocarpoides* **H, Ir.-Tur., End., 1, 12**
Prangos peucedanifolia Fenzl **H, Ir.-Tur., 1, 4, 9, 12, 15, 24**
Pseudorlaya pumila (L.) Grande **Th, Medit., 19**
Scaligeria meifolia (Fenzl) Boiss. **H, 1**
Scandix australis L. subsp. *grandiflora* (L.) Thell. **Th, 3, 4, 5, 13, 15, 32**
Scandix iberica M.Bieb. **Th, 3, 7, 16, 25**
Scandix pecten-veneris L. **Th, 5, 9, 11, 12, 13, 16, 19, 23, 26, 31, 32, 34, 36**
Scandix stellata Banks & Sol. **Th, 3, 4, 9, 16, 22, 23, 24, 28, 31, 32, 34, 35, 36**
Smyrniopsis cachroides Boiss. **H, Ir.-Tur., 1, 5**
Smyrniium connatum Boiss. & Kotschy **H, E.Medit., 5**
Smyrniium cordifolium Boiss. **H, Ir.-Tur., 4, 5, 7**
Tordylium aegyptiacum (L.) Lam. **Th, E.Medit., 1, 3, 12, 19**
Tordylium cappadocicum Boiss. **Th, Ir.-Tur., End., 1**
Tordylium hasselquistiae DC. **Th, 1, 4, 5, 22, 32, 34, 35**
Tordylium syriacum L. **Th, E.Medit., 13, 15**
Tordylium trachycarpum (Boiss.) Al-Eisawi **Th, E.Medit., 1, 12, 13, 16, 19**
Torilis arvensis (Huds.) Link subsp. *arvensis* **Th, 1, 7, 11, 13, 16**
Torilis leptocarpa (Hochst.) C.C.Towns. **Th, Ir.-Tur., 4, 22, 23, 24, 28, 31, 34, 35**
Torilis leptophylla (L.) Rechb.f. **Th, 1, 3, 4, 5, 7, 9, 11, 12, 13, 15, 16, 19, 22, 23, 24, 25, 31, 32, 36**
Torilis nodosa (L.) Gaertn. **Th, 5, 9, 15**
Torilis tenella (Delile) Rechb.f. **Th, 1, 5, 7, 13, 16**
Torilis ucranica Spreng. **Th, 36**
Trachyspermum ammi (L.) Sprague **Th, 1**
Trigonosciadium viscidulum Boiss. & Hausskn. **H, Ir.-Tur., 22, 35**
Turgenia latifolia (L.) Hoffm. **Th, 3, 4, 5, 7, 9, 15, 19, 22, 23, 25, 32, 35**
Zosima absinthifolia (Vent.) Link **H, 11**
- Apocynaceae**
Cionura erecta (L.) Griseb. **H, E.Medit., 5, 16**
Nerium oleander L. **H, Medit., 5, 16**
Vinca herbacea Waldst. & Kit. **H, 1, 5, 9, 12, 15, 16**
Vinca major L. subsp. *major* **H, Medit., 22, 32, 34, 35**
Vincetoxicum canescens (Willd.) Decne. subsp. *canescens* **H, 1, 5, 7, 16, 19, 24, 25, 36**
- Araceae**
Arum dioscoridis Sm. var. *dioscoridis* **Cr (G), E.Medit., 4, 5, 16, 17, 24, 31**
Arum nickelii Schott **Cr (G), E.Medit., 22**
Arum rupicola Boiss. var. *rupicola* **Cr (G), Ir.-Tur., 17**
Biarum aleppicum J.Thiébaud **Cr (G), 37**
Biarum carduchorum (Schott) Engl. **Cr (G), Ir.-Tur., 15, 16, 17, 32, 34**
Biarum eximium (Schott & Kotschy) Engl. **Cr (G), E.Medit., 16**
Biarum kotschyi (Schott) B.Mathew ex Riedl **Cr (G), End., 14**
Eminium spiculatum (Blume) Schott **Cr (G), Ir.-Tur., 1, 3, 7, 9, 11, 12, 15, 17**
Eminium rauwolffii (Blume) Schott var. *kotschyi* (Schott) Riedl **Cr (G), E.Medit., 13**
Eminium rauwolffii (Blume) Schott var. *rauwolffii* **Cr (G), Ir.-Tur., 1, 9, 11, 15, 16, 17, 22, 32, 36**
- Araliaceae**
Hedera helix L. **Ph, 5, 7**
- Aristolochiaceae**
Aristolochia maurorum L. **H, Ir.-Tur., 1, 5, 11**
Aristolochia bottae Jaub. & Spach **H, Ir.-Tur., 1, 3, 7, 9, 15, 22, 23, 31, 32, 34, 35**

Asparagaceae

- Asparagus palaestinus* Baker **Cr (G), E.Medit., 5**
Bellevalia dubia (Guss.) Schult. & Schult.f. subsp. *boissieri* (Freyn) Feinbrun **Cr (G), Medit., 17**
Bellevalia gracilis Feinbrun **Cr (G), Ir.-Tur., End., 1, 11, 12, 17**
Bellevalia longipes Post **Cr (G), Ir.-Tur., 1, 17, 19**
Bellevalia longistyla (Miscz.) Grossh. **Cr (G), Ir.-Tur., 17, 31**
Bellevalia macrobotrys Boiss. subsp. *macrobotrys* **Cr (G), Ir.-Tur., 1, 12, 16**
Bellevalia speciosa Woronow ex Grossh. **Cr (G), 3, 4, 17, 32**
Bellevalia tauri Feinbrun **Cr (G), E.Medit., End., 17**
Drimia maritima (L.) Stearn **Cr (G), Medit., 13**
Hyacinthella nervosa (Bertol.) Chouard **Cr (G), Ir.-Tur., 1, 7, 9, 11, 12, 13, 15, 16, 17, 19, 22, 25, 32, 34, 35, 36**
Hyacinthella siirtensis B.Mathew **Cr (G), Ir.-Tur., End., 1**
Muscari comosum (L.) Mill. **Cr (G), Medit., 1, 3, 4, 7, 12, 13, 16, 17, 19, 22, 31, 32**
Muscari longipes Boiss. **Cr (G), Ir.-Tur., 1, 5, 16, 17**
Muscari neglectum Guss. ex Ten. **Cr (G), 7, 9, 15, 16, 17, 25, 28, 29, 32, 36**
Muscari tenuiflorum Tausch **Cr (G), 36**
Ornithogalum alpigenum Stapf **Cr (G), E.Medit., End., 17**
Ornithogalum arcuatum Steven **Cr (G), Ir.-Tur., 5, 17**
Ornithogalum comosum L. **Cr (G), 17**
Ornithogalum montanum Cirillo **Cr (G), E.Medit., 1, 3, 4, 11, 12, 16**
Ornithogalum narbonense L. **Cr (G), Medit., 4, 5, 7, 11, 15, 17, 19, 24, 25, 28, 29, 31, 32, 34**
Ornithogalum neurostegium Boiss. & C.I.Blanche **Cr (G), 3, 16, 17**
Ornithogalum nivale Boiss. **Cr (G), E.Medit., End., 17**
Ornithogalum nutans L. **Cr (G), E.Medit., 16**
Ornithogalum oligophyllum E.D.Clarke **Cr (G), 1, 4, 9, 12, 17**
Ornithogalum orthophyllum Ten. subsp. *kochii* (Parl.) Maire & Weiller **Cr (G), 4, 11, 17, 22, 23, 24**
Ornithogalum pyrenaicum L. **Cr (G), 3, 36**
Ornithogalum umbellatum L. **Cr (G), 11, 17**
Ornithogalum wiedemannii Boiss. var. *wiedemannii* **Cr (G), 17**
Puschkinia scilloides Adams **Cr (G), Ir.-Tur., 4, 17**
Scilla hyacinthoides L. **Cr (G), Medit., 11**
Scilla mesopotamica Speta **Cr (G), Ir.-Tur., End., 1, 17**
- ## Asteraceae
- Achillea aleppica* DC. subsp. *aleppica* **Ch, Ir.-Tur., 1, 3, 4, 5, 7, 9, 15, 16, 22, 23, 24, 28, 29, 32, 33, 34, 35**
Achillea arabica Kotschy **H, Ir.-Tur., 1, 3, 4, 7, 15, 16, 25, 33**
Achillea brachyphylla Boiss. & Hausskn. **H, Ir.-Tur., End., 1, 33**
Achillea filipendulina Lam. **H, Ir.-Tur., 33**
Achillea formosa (Boiss.) Sch.Bip. subsp. *amanica* (Rech.f.) Ehrend. & Y.P.Guo **H, E.Medit., End., 1, 22, 35**
Achillea gonocephala Boiss. & Balansa **H, Ir.-Tur., End., 3**
Achillea membranacea (Labill.) DC. **H, Ir.-Tur., 1, 16, 22, 33, 35**
Achillea oligocephala DC. **H, Ir.-Tur., 1, 3, 26, 33**
Achillea pseudoaleppica Hub.-Mor. **H, Ir.-Tur., End., 25**
Achillea santolinoides Lag. subsp. *wilhelmsii* (K.Koch) Greuter **H, Ir.-Tur., 1, 3, 5, 10, 12, 16, 19, 22, 33, 34, 35**
Achillea teretifolia Willd. **H, Ir.-Tur., End., 4, 23, 24**
Achillea vermicularis Trin. **H, Ir.-Tur., 11, 12, 13, 19**
Anacyclus nigellifolius Boiss. **Th, 1, 22, 32, 33, 35**
Anthemis arvensis L. **Th, Euro-Sib., 5**
Anthemis chia L. **Th, E.Medit., 33**
Anthemis haussknechtii Boiss. & Reut. **Th, 1, 3, 12, 13, 33**
Anthemis hyalina DC. **Th, 1, 5, 7, 9, 11, 15, 16, 22, 29, 33, 35, 36**
Anthemis kotschyana Boiss. var. *kotschyana* **H, 12**
Anthemis pauciloba Boiss. var. *microstepana* (Eig.) Grierson **H, 12**
Anthemis pauciloba Boiss. var. *pauciloba* **H, 1, 12, 15, 16, 33**
Anthemis pseudocotula Boiss. **Th, 1, 3, 11, 22, 33**
Anthemis pungens Yavin **Th, End., 33**
Anthemis scariosa Banks & Sol. **Th, Ir.-Tur., 1, 3, 11, 16, 33**
Artemisia absinthium L. **H, 5**
Artemisia sieberi Besser subsp. *sieberi* **H, Ir.-Tur., 1, 5, 10, 12, 16, 33**
Artemisia vulgaris L. **H, 12**
Aster amellus L. subsp. *ibericus* (Steven) V.E.Avet. **H, Euro-Sib., 11**

- Asteriscus spinosus* (L.) Sch.Bip. **Th, Medit., 5**
Atractylis cancellata L. **Th, Medit., 5, 16, 33**
Atractylis carduus (Forssk.) C.Chr. **H, Saharo-Sindian, 15**
Bellis perennis L. **H, Euro-Sib., 5, 9, 12, 16, 33, 36**
Bombycilaena discolor (Pers.) M.Lainz **Th, Medit., 1, 3, 33**
Bombycilaena erecta (L.) Smoljan. **Th, 32**
Calendula arvensis (Vaill.) L. **Th, 1, 16, 33**
Carduus acicularis Bertol. **Th, Medit., 1**
Carduus nutans L. subsp. *leiophyllus* (Petrović) Stoj. & Stef. **H, 7, 9, 15, 33**
Carduus pycnocephalus L. subsp. *albidus* (M.Bieb.) Kazmi **Th, 3, 4, 9, 13, 19, 23, 24, 31**
Carduus pycnocephalus L. subsp. *arabicus* (Murray) Nyman **Th, Medit., 22**
Carduus pycnocephalus L. subsp. *breviphyllarius* P.H.Davis **Th, Ir.-Tur., 17, 12, 13, 16, 19**
Carduus pycnocephalus L. subsp. *cinereus* (M.Bieb.) P.H.Davis **Th, Ir.-Tur., 26**
Carduus pycnocephalus L. subsp. *pycnocephalus* **Th, 32, 33**
Carlina corymbosa L. **H, Medit., 16, 33**
Carlina libanotica Boiss. **H, E.Medit., 12, 36**
Carlina lanata L. **Th, Medit., 3, 5, 11, 12, 15, 16, 33**
Carlina oligocephala Boiss. & Kotschy subsp. *oligocephala* **H, 5, 16**
Carlina vulgaris L. **H, 13**
Carthamus dentatus (Forssk.) Vahl **Th, 11, 36**
Carthamus glaucus M.Bieb. subsp. *glaucus* **Th, 4**
Carthamus lanatus L. **Th, 1, 5, 11, 33**
Carthamus persicus Willd. **Th, Ir.-Tur., 1, 3, 5, 6, 22, 32, 33, 36**
Catananche lutea L. **Th, Medit., 16**
Centaurea aggregata Fisch. & C.A.Mey. subsp. *aggregata* **H, 5**
Centaurea balsamita Lam. **Th, Ir.-Tur., 3, 5, 33**
Centaurea behen L. **H, Ir.-Tur., 1, 22, 25, 32, 33, 35**
Centaurea bruguierana (DC.) Hand.-Mazz. subsp. *bruguierana* **Th, Ir.-Tur., 1, 5, 11, 33**
Centaurea carduiiformis DC. subsp. *carduiiformis* var. *carduiiformis* **H, 33**
Centaurea consanguinea DC. **H, Ir.-Tur., End., 13**
Centaurea coronopifolia Lam. **Th, Ir.-Tur., 36**
Cyanus depressus (M.Bieb.) Soják **Th, 4, 9, 16, 24, 31, 32, 33**
Centaurea haradjianii Wagenitz **H, E.Medit., End., 5**
Centaurea hyalolepis Boiss. **H, Ir.-Tur., 1, 3, 5, 11, 15, 16, 28, 29, 33**
Centaurea iberica Spreng. **H, 4, 5, 7, 15, 16, 24, 31, 32, 33**
Centaurea kurdica Reichardt **H, Ir.-Tur., End., 4, 19, 33**
Centaurea laxa Boiss. & Hausskn. **Th, Ir.-Tur., 1**
Centaurea lycopifolia Boiss. & Kotschy **H, E.Medit., End., 33**
Centaurea obtusifolia (Boiss. & Hausskn.) Wagenitz **H, Ir.-Tur., End., 1, 22, 33, 35**
Centaurea polypodiifolia Boiss. var. *polypodiifolia* **H, Ir.-Tur., 3, 33**
Centaurea polypodiifolia Boiss. var. *szovitsiana* (Boiss.) Wagenitz **H, Ir.-Tur., 1**
Centaurea rigida Banks & Sol. **H, Ir.-Tur., 1, 3, 12, 15, 25, 29, 32, 33**
Centaurea sclerolepis Boiss. **H, Ir.-Tur., End., 1, 5, 7, 12, 19, 33**
Centaurea solstitialis L. subsp. *solstitialis* **H, 4, 5, 7, 9, 11, 12, 13, 15, 16, 19, 22, 24, 26, 31, 32, 33**
Centaurea stapfiana (Hand.-Mazz.) Wagenitz **H, Ir.-Tur., End., 7, 22, 35**
Centaurea urvillei DC. subsp. *armata* Wagenitz **H, E.Medit., 28**
Centaurea urvillei DC. subsp. *nimrodus* (Boiss. & Hausskn.) Wagenitz **H, Ir.-Tur., 1, 33**
Centaurea urvillei DC. subsp. *urvillei* **H, E.Medit., 23, 24**
Centaurea virgata Lam. **H, Ir.-Tur., 3, 5, 7, 15, 16, 19, 22, 24, 25, 28, 29, 31, 32, 33, 34, 35, 36**
Chardinia orientalis (L.) Kuntze **Th, Ir.-Tur., 1, 3, 5, 7, 11, 16, 22, 25, 32, 33, 36**
Chondrilla juncea L. **H, 12, 33**
Cichorium glandulosum Boiss. & A.Huet **Th, Ir.-Tur., 1, 5, 12, 13, 15, 22, 26, 33**
Cichorium intybus L. **H, 12, 16, 24, 31, 32, 33**
Cirsium alatum (S.G.Gmel.) Bobrov **H, Ir.-Tur., 19**
Cirsium pseudocreticum (P.H.Davis & Parris) Yıldız, Dirmenci & Arabacı **H, Ir.-Tur., End., 12**
Cirsium arvense (L.) Scop. **H, 13**
Cirsium eriophorum (L.) Scop. **H, 19**
Cirsium leucocephalum (Willd.) Spreng. subsp. *leucocephalum* **H, Ir.-Tur., 5**
Cirsium leucocephalum (Willd.) Spreng. subsp. *penicillatum* (K.Koch) Greuter **H, 5**
Cirsium libanoticum DC. subsp. *arachnoideum* P.H.Davis & Parris **H, Ir.-Tur., 16, 33**

- Cirsium vulgare* (Savi) Ten. **H, 5, 9, 12, 15**
Cnicus benedictus L. **Th, 4, 11, 24, 33**
Cota altissima (L.) J.Gay **Th, 1, 7, 9, 15, 16, 33**
Cota austriaca (Jacq.) Sch.Bip. **Th, 3, 4, 24, 31, 33**
Cota tinctoria (L.) J.Gay var. *tinctoria* **H, 4, 12, 31**
Cota wiedemanniana (Fisch. & C.A.Mey.) Holub **Th, 16**
Conyza bonariensis (L.) Cronquist **Th, 16, 36**
Conyza canadensis (L.) Cronquist **Th, 5, 10, 22, 26, 33**
Cousinia birecikensis Hub.-Mor. **H, Ir.-Tur., End., 1, 5, 16, 33**
Cousinia ramosissima DC. **H, Ir.-Tur., 1, 16, 33**
Cousinia stenocephala Boiss. **H, Ir.-Tur., 1, 3, 6, 11, 33**
Cousinia wesheni Post **H, Ir.-Tur., 1, 33**
Crepis alpina L. **Th, 1, 10, 33**
Crepis aspera L. **Th, 1, 5, 19, 33**
Crepis commutata (Spreng.) Greuter **Th, 1, 3, 5, 22, 33, 35**
Crepis dioscoridis L. **Th, E.Medit., 33**
Crepis foetida L. subsp. *foetida* **Th, 25**
Crepis foetida L. subsp. *rhoeadifolia* (M.Bieb.) Čelak. **Th, 1, 3, 7, 9, 12, 13, 15, 23, 33**
Crepis kotschyana (Boiss.) Boiss. **Th, Ir.-Tur., 1, 3, 5, 11**
Crepis micrantha Czerep. **Th, 7**
Crepis pannonica (Jacq.) K.Koch **H, 33**
Crepis pulchra L. subsp. *pulchra* **Th, 1, 10, 22, 33, 35**
Crepis reuteriana Boiss. & Heldr. subsp. *reuteriana* **H, E.Medit., 1, 5, 13, 15**
Crepis sancta (L.) Bornm. subsp. *obovata* (Boiss. & Noë) Babç. **Th, 1, 3, 4, 5, 7, 12, 13, 16, 22, 24, 25, 31, 32, 33, 34, 35**
Crepis syriaca (Bornm.) Babç. & Navashin **Th, 10**
Crepis vesicaria L. subsp. *vesicaria* **Th, Medit., 16**
Crupina crupinastrum (Moris) Vis. **Th, 1, 3, 7, 9, 11, 12, 13, 15, 16, 19, 22, 23, 28, 29, 31, 32, 33, 34**
Crupina intermedia (Mutel) Walp. **Th, 1, 5, 15**
Cyanus triumfettii (All.) Dostál ex Á.Löve & D.Löve **H, 5, 7, 9, 12**
Cymbolaena griffithii (A.Gray) Wagenitz **Th, Ir.-Tur., 1, 33**
Echinops heterophyllus P.H.Davis **H, Ir.-Tur., 4, 24**
Echinops microcephalis Sm. **H, Medit., 13**
Echinops orientalis Trautv. **H, Ir.-Tur., 1, 3, 9, 11, 15, 22, 23, 28, 29, 32, 33, 34, 35**
Echinops pungens Trautv. var. *pungens* **H, Ir.-Tur., 36**
Echinops spinosissimus Turra subsp. *bithynicus* (Boiss.) Greuter **H, Ir.-Tur., 1, 3, 5, 9, 12, 16**
Echinops spinosissimus Turra subsp. *spinosissimus* **H, E.Medit., 3, 15, 29, 33**
Filago davisii (Holub ex Grierson) Feinbrun **Th, Ir.-Tur., 1**
Filago eriocephala Guss. **Th, E.Medit., 10**
Filago germanica (L.) Huds. **Th, 3, 5, 33**
Filago palaestina (Boiss.) Chrtek & Holub **Th, Ir.-Tur., 1, 33**
Filago pyramidata L. **Th, 1, 3, 5, 7, 9, 11, 12, 15, 16, 23, 24, 25, 26, 28, 29, 31, 32, 33, 34**
Garhadiolus hamosus Boiss. & Hausskn. **Th, Ir.-Tur., 1, 16, 33**
Garhadiolus hedynois Jaub. & Spach **Th, Ir.-Tur., 1, 3, 4, 5, 7, 11, 13, 22, 23, 24, 25, 32, 33, 34**
Geropogon hybridus (L.) Sch.Bip. **Th, Medit., 1, 5, 32, 33**
Glebionis coronaria (L.) Spach **Th, 5**
Gundelia tournefortii L. var. *armata* Freyn & Sint. **H, Ir.-Tur., 3, 4, 5, 7, 9, 11, 13, 15, 16, 19, 22, 24, 25, 28, 29, 31, 32, 33, 34, 35**
Hedynois rhagadioloides (L.) F.W.Schmidt subsp. *cretica* (L.) Hayek **Th, Medit., 3, 5, 11, 13, 22, 33, 35**
Helichrysum plicatum DC. subsp. *plicatum* **H, 3**
Hieracium bornmuelleri Freyn **H, End., 12**
Hieracium strigulosum Post **H, End., 19**
Hyoseris scabra L. **Th, Medit., 5**
Ifloga spicata (Forssk.) Sch.Bip. subsp. *labillardierei* (Pamp.) Chrtek **Th, Saharo-Sindian, 5**
Inula britannica L. **H, Euro-Sib., 1, 5, 16, 24, 33**
Inula oculus-christi L. **H, Euro-Sib., 4, 24**
Jurinea mesopotamica Hand.-Mazz. **H, Ir.-Tur., 1, 5**
Koelpinia linearis Pall. **Th, Ir.-Tur., 1, 3, 16, 26, 33**
Lachnophyllum noëanum Boiss. **H, Ir.-Tur., 10**
Lactuca hispida DC. **H, 1**

- Lactuca muralis* (L.) Gaertn. **H, Euro-Sib., 10**
Lactuca orientalis (Boiss.) Boiss. **H, Ir.-Tur., 3, 4, 5, 16, 24**
Lactuca rechingeriana (Tuisl) N.Kilian & Greuter **H, Ir.-Tur., 1**
Lactuca saligna L. **Th, 4, 5, 22, 24, 26**
Lactuca serriola L. **H, Euro-Sib., 3, 4, 5, 7, 9, 10, 11, 16, 24, 33, 36**
Lactuca tuberosa Jacq. **H, 1, 10**
Lactuca undulata Ledeb. **Th, Ir.-Tur., 5, 15, 32**
Lactuca viminea (L.) J.Presl & C.Presl **H, 16**
Lapsana communis L. subsp. *intermedia* (M.Bieb.) Hayek var. *intermedia* **Th, 33**
Leontodon asperrimus (Willd.) Endl. **H, Ir.-Tur., 4, 7, 24**
Leontodon crispus Vill. subsp. *setulosus* (Halácsy) Kupicha **H, 13**
Leontodon hispidus L. subsp. *hastilis* (L.) Corb. **H, Euro-Sib., 7, 33**
Leontodon hispidus L. subsp. *hispidus* **H, Euro-Sib., 33**
Klasea cerinthifolia (Sm.) Greuter & Wagenitz **H, 1, 5, 22, 33, 35**
Matricaria aurea (Loefl.) Sch.Bip. **Th, 1, 3, 5, 12, 15, 16, 19, 33**
Matricaria chamomilla L. var. *chamomilla* **Th, 10, 32**
Micropus supinus L. **Th, Medit., 1**
Notobasis syriaca (L.) Cass. **Th, Medit., 1, 3, 7, 9, 15, 16, 22, 32, 33, 36**
Oligochaeta divaricata (Fisch. & C.A.Mey.) K.Koch **Th, Ir.-Tur., 26**
Onopordum acanthium L. **H, 5, 12, 16, 33**
Onopordum boissierianum Raab-Straube & Greuter **H, E.Medit., 33**
Onopordum bracteatum Boiss. & Heldr. var. *bracteatum* **H, E.Medit., 22, 32, 34, 35**
Onopordum canum Eig **H, 33**
Onopordum carduchorum Bornm. & Beauverd **H, Ir.-Tur., 3, 4, 5, 7, 16, 22, 24, 32, 33, 35, 36**
Phagnalon graecum Boiss. & Heldr. **Ch, E.Medit., 12, 15**
Phagnalon rupestre (L.) DC. **Ch, Medit., 16, 33**
Picnomon acarna (L.) Cass. **Th, Medit., 1, 4, 13, 16, 23, 24, 31, 33, 34, 36**
Picris kotschyi Boiss. **Th, 1, 4, 22, 24, 33, 35**
Picris strigosa M.Bieb. var. *macrotricha* Lack **H, Ir.-Tur., 15**
Picris strigosa M.Bieb. var. *strigosa* **H, Ir.-Tur., 1, 12, 16, 28**
Ptilostemon diacantha (Labill.) Greuter subsp. *turcicus* Greuter **H, E.Medit., 15, 29**
Pulicaria arabica (L.) Cass. subsp. *arabica* **Th, 12, 19**
Pulicaria dysenterica (L.) Bernh. subsp. *dysenterica* **H, 16, 33**
Pulicaria vulgaris Gaertn. **Th, Euro-Sib., 11, 12, 13, 19**
Rhagadiolus stellatus (L.) Gaertn. **Th, Medit., 1, 3, 4, 5, 7, 16, 22, 24, 25, 32, 33, 35**
Santolina chamaecyparissus L. **Ph, W.Medit., 12, 13**
Scolymus hispanicus L. **H, Medit., 5, 16, 33**
Scorzonera cana (C.A.Mey.) Griseb. var. *cana* **H, 33**
Scorzonera incisa DC. **H, Ir.-Tur., 1, 3**
Scorzonera kotschyi Boiss. **H, Ir.-Tur., 1, 3, 9, 13, 16, 22, 33, 35**
Scorzonera laciniata L. subsp. *calcitrapifolia* (Vahl) Maire **H, 5**
Scorzonera laciniata L. subsp. *laciniata* **H, 1, 5, 7, 12, 15, 16, 26**
Scorzonera mirabilis Lipsch. **H, Ir.-Tur., End., 33**
Scorzonera mollis M.Bieb. subsp. *szowitzii* (DC.) D.F.Chamb. **H, Ir.-Tur., 1, 3, 7, 9, 12, 19, 22, 25, 32, 33, 34, 35**
Scorzonera papposa DC. **H, Ir.-Tur., 1, 3, 4, 11, 33**
Scorzonera phaeopappa (Boiss.) Boiss. **H, Ir.-Tur., 1, 3, 36**
Scorzonera pseudolanata Grossh. **H, Ir.-Tur., 1, 5, 12, 16, 17, 33, 36**
Scorzonera semicana DC. **H, Ir.-Tur., 1, 4, 11, 24**
Scorzoneroideis laciniata (Bertol.) Greuter **Th, 16**
Senecio racemosus (M.Bieb.) DC. **H, Ir.-Tur., 15**
Senecio vernalis Waldst. & Kit. **Th, 4, 5, 7, 9, 10, 12, 15, 16, 19, 22, 23, 24, 26, 31, 32, 33, 34, 35, 36**
Senecio vulgaris L. **Th, 10, 13**
Siebera nana (DC.) Bornm. **Th, Ir.-Tur., 33**
Siebera pungens (Lam.) J.Gay **Th, Ir.-Tur., 1, 3, 33, 36**
Silybum marianum (L.) Gaertn. subsp. *marianum* **H, Medit., 3, 11, 19, 33**
Sonchus arvensis L. subsp. *arvensis* **H, Euro-Sib., 33**
Sonchus asper (L.) Hill subsp. *glaucescens* (Jord.) Ball **Th, 3, 4, 5, 11, 16, 22, 26, 31, 33**
Sonchus oleraceus L. **Th, 5, 10**
Tagetes minuta L. **Th, 5**

- Tanacetum argenteum* (Lam.) Willd. subsp. *argenteum* **H, Ir.-Tur., End., 7, 9**
Tanacetum cadmeum (Boiss.) Heywood subsp. *orientale* Grierson **H, Ir.-Tur., End., 4, 24, 33**
Tanacetum polycephalum Sch.Bip. subsp. *polycephalum* **H, Ir.-Tur., 1**
Taraxacum sect. *Taraxacum* F.H.Wigg. **H, 16, 33**
Taraxacum aleppicum Dahlst. **H, E.Medit., 12, 16, 33**
Taraxacum butleri Soest **H, 12, 19**
Taraxacum hellenicum Dahlst. **H, Medit., 33**
Taraxacum kurdiciforme G.E.Haglund **H, Ir.-Tur., 36**
Taraxacum montanum DC. **H, Ir.-Tur., 15, 33**
Taraxacum phaleratum G.E.Haglund **H, 1, 9, 15, 16, 19, 33**
Taraxacum sintenisii Dahlst. **H, 1, 9, 10, 16, 19, 26, 33**
Taraxacum syriacum Boiss. **H, Ir.-Tur., 16, 33**
Tragopogon buphthalmoides (DC.) Boiss. var. *buphthalmoides* **H, Ir.-Tur., 3, 9, 15**
Tragopogon dubius Scop. **H, 4, 23, 24**
Tragopogon porrifolius L. subsp. *abbreviatus* (Boiss.) Coşkunçelebi & M.Gultepe **H, 12**
Tragopogon porrifolius L. subsp. *longirostris* (Sch.Bip.) Greuter **H, 1, 7, 11, 12, 13, 16, 19, 22, 23, 24, 25, 31, 32, 33, 34, 35, 36**
Tragopogon pterocarpus DC. **H, Ir.-Tur., 4, 33**
Tragopogon pusillus M.Bieb. **H, 12, 15**
Tragopogon reticulatus Boiss. & A.Huet **H, 33**
Tripleurospermum elongatum (DC.) Bornm. **H, 1, 33**
Tripleurospermum microcephalum (Boiss.) Bornm. **H, Ir.-Tur., 33, 36**
Tripleurospermum oreades (Boiss.) Rech.f. var. *oreades* **H, 1, 32**
Tripleurospermum oreades (Boiss.) Rech.f. var. *tchihatchewii* (Boiss.) E.Hossain. **H, 33**
Tripleurospermum parviflorum (Willd.) Pobed. **Th, 3, 16, 23, 24, 33**
Urospermum picroides (L.) F.W.Schmidt **Th, Medit., 16, 33**
Xanthium spinosum L. **Th, 5, 15, 16, 24, 31, 33, 36**
Xanthium orientale L. subsp. *italicum* (Moretti) Greuter **Th, 4, 5, 15, 33**
Xanthium strumarium L. subsp. *strumarium* **Th, 1, 11, 13, 16, 33**
Xeranthemum annuum L. **Th, 1, 12, 13, 15, 22, 24, 28, 29, 31, 32, 33, 34, 35**
Xeranthemum cylindraceum Sm. **Th, 5**
Xeranthemum longipapposum Fisch. & C.A.Mey. **Th, Ir.-Tur., 22, 24, 35**
Zoegea leptaurea L. **Th, Ir.-Tur., 1, 3, 23, 25, 28, 33**
- Berberidaceae**
Berberis crataegina DC. **H, 1**
Bongardia chrysogonum (L.) Spach **H, Ir.-Tur., 1, 4, 7, 12, 15, 16, 17, 22, 23, 24, 32**
Leontice leontopetalum L. **H, 4, 16, 17, 24**
- Boraginaceae**
Alkanna hirsutissima (Bertol.) A.DC. **H, Ir.-Tur., 1, 3, 5, 7, 9, 11, 16, 19, 22, 25**
Alkanna megacarpa A.DC. **H, Ir.-Tur., End., 9, 15, 28, 29, 32**
Alkanna tinctoria Tausch subsp. *tinctoria* **H, Medit., 36**
Alkanna trichophila Hub.-Mor. var. *mardinensis* Hub.-Mor. **H, Ir.-Tur., End., 16, 32**
Anchusa azurea Mill. var. *azurea* **H 1, 3, 4, 5, 7, 9, 12, 15, 16, 19, 22, 24, 31, 32, 36**
Anchusa azurea Mill. var. *kurdica* (Guşul.) D.F.Chamb. **H, 1, 3, 5, 7, 9, 15, 19, 22**
Anchusa azurea Mill. var. *macrocarpa* (Boiss. & Hohen.) D.F.Chamb. **H, 11**
Anchusa strigosa Banks & Sol. **H, 1, 3, 5, 7, 9, 12, 15, 16, 22**
Arnebia decumbens (Vent.) Coss. & Kralik **Th, Ir.-Tur., 1, 16**
Asperugo procumbens L. **Th, Euro-Sib., 3, 16**
Buglossoides arvensis (L.) I.M.Johnst. subsp. *sibthorpiana* (Griseb.) R.Fern. **Th, 1, 3, 7, 11, 12, 15, 22, 26, 31, 32, 36**
Buglossoides incrassata (Guss.) I.M.Johnst. subsp. *incrassata* **Th, Medit., 1, 12, 15, 36**
Buglossoides tenuiflora (L.f.) I.M.Johnst. **Th, 3, 4, 22, 32, 35**
Cynoglossum creticum Mill. **H, 16**
Echium glomeratum Poir. **H, E.Medit., 5**
Echium italicum L. **H, Medit., 4, 5, 10, 15, 24, 29, 32**
Echium plantagineum L. **Th, Medit., 5**
Heliotropium bovei Boiss. **Th, E.Medit., 3, 16, 22**
Heliotropium circinatum Griseb. **Th, Ir.-Tur., 1, 15, 28, 36**
Heliotropium dolosum De Not. **Th, 1, 11**
Heliotropium europaeum L. **Th, Medit., 4, 5, 12, 15**

- Heliotropium lasiocarpum* Fisch. & C.A.Mey. **Th, Ir.-Tur., 3, 22**
Heliotropium myosotoides Banks & Sol. **Th, Ir.-Tur., 1, 3, 16**
Heliotropium supinum L. **Th, 4, 11**
Heliotropium suaveolens M.Bieb. **Th, E.Medit., 36**
Heterocaryum rigidum A.DC. **Th, Ir.-Tur., 1, 19**
Lappula barbata (M.Bieb.) Gürke **H, Ir.-Tur., 13**
Lappula sessiliflora (Boiss.) Gürke **Th, Ir.-Tur., 1**
Moltkia coerulea (Willd.) Lehm. **H, Ir.-Tur., 1, 16**
Myosotis ramosissima Rochel subsp. *ramosissima* **Th, 15**
Myosotis refracta Boiss. subsp. *refracta* **Th, Medit., 1, 10, 16**
Myosotis stricta Roem. & Schult. **Th, Euro-Sib., 1, 16, 24, 31, 36**
Onosma allepica Boiss. **H, Ir.-Tur., 1, 3, 28**
Onosma argentata Hub.-Mor. **H, Ir.-Tur., End., 3**
Onosma aucheriana DC. **H, E.Medit., 19**
Onosma auriculata DC. **H, Ir.-Tur., 1**
Onosma bulbotracha DC. **H, Ir.-Tur., 1, 3, 11**
Onosma frutescens Lam. **H, E.Medit., 7**
Onosma gigantea Lam. **H, E.Medit., 1, 4, 12**
Onosma isaurica Boiss. & Heldr. **H, Ir.-Tur., 7, 9**
Onosma lanceolata Boiss. & Hausskn. **H, Ir.-Tur., 4**
Onosma mollis DC. **H, Ir.-Tur., 1, 5, 12, 15, 16, 19, 29, 32, 34**
Onosma procera Boiss. **H, Ir.-Tur., End., 23**
Onosma rascheyana Boiss. **H, Ir.-Tur., 24**
Onosma sericea Willd. **H, Ir.-Tur., 7, 9, 22, 25, 28, 32, 34, 35, 36**
Paracaryum cristatum (Schreb.) Boiss. subsp. *cristatum* **H, Ir.-Tur., End., 24**
Paracaryum kurdistanicum (Brand) R.R.Mill **H, Ir.-Tur., End., 1, 4, 24**
Phyllocara aucheri (A.DC.) Guşul. **Th, 11, 12, 15, 16, 19, 24, 36**
Rindera lanata (Lam.) Bunge var. *lanata* **H, Ir.-Tur., 4, 24**
Rochelia cancellata Boiss. & Balansa **Th, Ir.-Tur., 4, 23, 24**
Rochelia disperma (L.f.) K.Koch var. *disperma* **Th, 1**
Symphytum aintabicum Hub.-Mor. & Wickens **H, E.Medit., End., 4, 24**
- Brassicaceae**
- Aethionema carneum* (Banks & Sol.) B.Fedtsch. **Th, Ir.-Tur., 1**
Aethionema grandiflorum Boiss. & Hohen. var. *grandiflorum* **H, Ir.-Tur., 4, 24**
Aethionema heterocarpum J.Gay **Th, 1, 22**
Aethionema syriacum (Boiss.) Bornm. **Th, Ir.-Tur., 1, 4**
Alliaria petiolata (M.Bieb.) Cavara & Grande **H, 5**
Alyssum alyssoides (L.) L. **Th, 4**
Alyssum aureum (Fenzl) Boiss. **Th, Ir.-Tur., 1, 16**
Alyssum blepharocarpum T.R.Dudley & Hub.-Mor. **Th, Ir.-Tur., End., 10**
Alyssum desertorum Stapf. **Th, 19, 24**
Alyssum hirsutum M.Bieb. subsp. *hirsutum* **Th, 3**
Alyssum meniocoides Boiss. **Th, Ir.-Tur., 1, 9, 11, 15, 16, 28, 29, 32**
Alyssum murale Waldst. & Kit. subsp. *murale* var. *murale* **H, 1, 24**
Alyssum simplex Rudolphi **Th, 4, 28, 32, 34**
Alyssum smyrnaeum C.A.Mey. **Th, E.Medit., 4**
Alyssum strictum Willd. **Th, Ir.-Tur., 1, 3, 5, 11, 19, 24, 31, 32**
Alyssum strigosum Banks. & Sol. subsp. *strigosum* **Th, 4, 7, 22, 24, 25, 28, 31, 34, 36**
Alyssum szovitsianum Fisch. & C.A.Mey. **Th, 1, 9, 15, 22, 35**
Arabis alpina L. subsp. *brevifolia* (DC.) Greuter & Burdet **H, E.Medit., 1**
Arabis aucheri Boiss. **Th, 1, 3, 4, 19, 31, 36**
Arabis montbretiana Boiss. **Th, Ir.-Tur., 22, 31**
Arabis verna (L.) R.Br. **Th, Medit., 5**
Armoracia rusticana P.Gaertn. B.Mey. & Scherb. **H, 5**
Barbarea plantaginea DC. **H, 4, 24, 31**
Biscutella didyma L. **Th, 3, 13, 22, 28, 35**
Brassica elongata Ehrh. **H, 10**
Brassica nigra (L.) W.D.J.Koch **Th, 12**
Brassica tournefortii Gouan **Th, 1, 11, 19**
Calepina irregularis (Asso) Thell. **Th, 1, 3, 5, 36**

- Camelina anomala* Boiss. & Hausskn. **Th, 1**
Camelina hispida Boiss. **Th, 1, 13, 16, 31, 36**
Camelina rumelica Velen. **Th, 4, 7**
Capsella bursa-pastoris (L.) Medik. **Th, 3, 5, 10, 12, 15, 16, 19, 22, 26, 31, 32**
Capsella rubella Reut. **Th, Medit., 12, 19**
Cardamine hirsuta L. **Th, 12, 19**
Chorisporea purpurascens (Banks & Sol.) Eig **Th, Ir.-Tur., 1, 16**
Chrysochamela velutina (DC.) Boiss. **Th, Ir.-Tur., 1, 3, 32**
Clypeola aspera (Grauer) Turrill **Th, Ir.-Tur., 1, 5, 12, 15, 29, 32, 36**
Clypeola jonthlaspi L. **Th, 3, 22, 23, 28, 35**
Clypeola lappacea Boiss. **Th, Ir.-Tur., 1, 13, 22**
Conringia clavata Boiss. **Th, 1, 5, 36**
Crambe tataria Sebeók var. *tataria* **H, Ir.-Tur., 1, 3, 5, 9, 12, 15, 22, 32**
Descurainia sophia (L.) Webb ex Prantl subsp. *sophia* **Th, 1, 7, 16**
Draba bruniifolia Steven subsp. *bruniifolia* **H, 19**
Draba nuda (Bél.) Al-Shehbaz & M.Koch **Th, Ir.-Tur., 4, 22**
Draba minima (C.A.Mey.) Steud. **Th, 1, 5, 36**
Draba verna L. **Th, 3, 4, 9, 10, 22, 28, 32, 34, 35**
Eruca vesicaria (L.) Cav. **Th, 1, 4, 5, 10, 11, 12, 15, 16, 36**
Erucaria hispanica (L.) Druce **Th, 1, 7**
Erysimum hirschfeldioides Boiss. & Hausskn. **H, Ir.-Tur., 1, 3**
Erysimum oleifolium J.Gay **H, Ir.-Tur., 1, 7, 12, 15, 16, 36**
Erysimum repandum L. **Th, 5, 10, 22, 23, 24**
Erysimum scabrum DC. **H, 9, 16**
Erysimum smyrnaeum Boiss. & Balansa **H, 4, 16**
Euclidium syriacum (L.) W.T.Aiton **Th, 1**
Fibigia clypeata (L.) Medik. subsp. *clypeata* var. *eriocarpa* **H, 5, 22, 28, 35**
Fibigia macrocarpa (Boiss.) Boiss. **H, 4, 24**
Glastaria glastifolia (DC.) Kuntze **Th, Ir.-Tur., 1, 3, 4, 22, 32**
Hesperis hedgei P.H.Davis & Kit Tan **H, Ir.-Tur., End., 1**
Hesperis matronalis L. subsp. *matronalis* **H, 5**
Hesperis pendula DC. subsp. *campicarpa* (Boiss.) F.Dvořák **H, Ir.-Tur., 12**
Hesperis pendula DC. subsp. *pendula* **H, 4**
Hesperis syriaca (DC.) F.Dvořák **H, 19**
Hirschfeldia incana (L.) Lagr.-Foss. **H, 1, 7, 12, 13, 15, 16, 22, 31, 32**
Hornungia procumbens (L.) Hayek **Th, 11, 13, 15, 26**
Iberis odorata L. **Th, 1, 3, 5, 9, 10, 12, 15, 16, 22**
Isatis buschiana Schischk. **H, Ir.-Tur., 10**
Isatis cochlearis Boiss. **H, Ir.-Tur., 13**
Isatis lusitanica L. **Th, 1, 3, 4, 5, 9, 10, 11, 15, 16, 22, 28, 29, 32, 35, 36**
Isatis tinctoria L. subsp. *tomentella* (Boiss. & Balansa) P.H.Davis **H, 36**
Lepidium coronopus (L.) Al-Shehbaz **Th, 1, 5**
Lepidium draba L. **H, 4, 9, 15, 16, 26, 31, 32**
Lepidium latifolium L. **H, 3, 9**
Lepidium perfoliatum L. **Th, 26**
Lepidium ruderales L. **Th, 10, 13**
Lepidium sativum L. subsp. *sativum* **Th, 1, 7, 9, 12, 15, 22**
Matthiola longipetala (Vent.) DC. subsp. *bicornis* (Sm.) P.W. Ball **Th, 1, 3, 5, 7, 16, 19, 22, 25, 28, 36**
Matthiola longipetala (Vent.) DC. subsp. *pumilio* (Sm.) P.W. Ball **Th, 11**
Microthlaspi perfoliatum (L.) F.K.Mey. **Th, 4, 9, 11, 13, 15, 16, 22, 24, 31, 32, 36**
Nasturtium officinale (L.) R.Br. **H, 4, 5, 16**
Neotorularia torulosa (Desf.) Hedge & J.Léonard **Th, 1, 3**
Neslia paniculata (L.) Desv. subsp. *paniculata* **Th, 22**
Neslia paniculata (L.) Desv. subsp. *thracica* (Velen.) Bornm. **Th, 5, 10, 16, 22, 26, 31, 32**
Peltaria angustifolia DC. **Th, 1, 4, 15, 23, 24**
Raphanus raphanistrum L. subsp. *raphanistrum* **Th, 1, 5, 16, 22, 36**
Rorippa amphibia (L.) Besser **H, 5, 12**
Rorippa islandica (Oeder) Borbás subsp. *islandica* **H, 5**
Sinapis alba L. subsp. *alba* **Th, 1, 3, 5, 7, 9, 10, 11, 12, 15, 16, 19, 22, 31, 32, 36**
Sinapis arvensis L. **Th, 3, 5, 7, 9, 10, 11, 12, 13, 15, 16, 19, 22, 31, 32, 36**

- Sisymbrium irio* L. **Th, 1, 10, 22, 32, 36**
Sisymbrium altissimum L. **Th, 3**
Sisymbrium officinale (L.) Scop. **Th, 1, 10, 16, 26, 31**
Sisymbrium orientale L. **Th, 1, 5, 16, 22**
Sisymbrium septulatum DC. **Th, 1, 3, 5**
Sterigmostemum sulphureum (Banks & Sol.) Bornm. subsp. *sulphureum* **H, Ir.-Tur., 1, 3**
Strigosella africana (L.) Botsch. **Th, 11,**
Thlaspi arvense L. **Th, 19**
Zuvanda crenulata (DC.) Askerova **Th, Ir.-Tur., 1, 5, 9, 11, 13, 15, 16**
- Butomaceae**
Butomus umbellatus L. **Cr (G), Euro-Sib., 1, 3, 4, 17**
- Campanulaceae**, *Asyneuma filipes* (Nábělek) Damboldt **H, Ir.-Tur., 9**
Campanula erinus L. **Th, Medit., 3**
Campanula retrorsa Labill. **Th, 1**
Campanula reuteriana Boiss. & Balansa **Th, Ir.-Tur., 1, 4, 12**
Campanula rotundifolia L. **H, Euro-Sib., 10**
Campanula saxonorum Gand. **Th, Ir.-Tur., End., 3**
Campanula sclerotricha Boiss. **H, Ir.-Tur., 1, 5**
Campanula strigillosa Boiss. **H, E.Medit., End., 32**
Campanula strigosa Banks & Sol. **Th, E.Medit., 1, 10, 15, 28, 29, 34**
Legousia pentagonia (L.) Druce **Th, E.Medit., 1, 4, 5, 7, 22, 24, 25, 35**
Legousia speculum-veneris (L.) Chaix **Th, Medit., 4, 22, 23, 24, 32, 34, 35**
Michauxia campanuloides L'Hér. **H, E.Medit., 5**
- Cannabaceae**
Celtis australis L. subsp. *australis* **Ph, Medit., 10, 11, 12**
Celtis australis L. subsp. *caucasica* (Willd.) C.C.Towns. **Ph, 1, 5**
Celtis planchoniana K.I.Chr. **Ph, 23**
Celtis tournefortii Lam. **Ph, 1, 4, 5, 7, 10, 16, 19, 36**
- Capparaceae**
Capparis sicula Veill. subsp. *sicula* **Ch, 1, 3, 5, 7, 9, 10, 12, 15, 16, 36**
Capparis spinosa L. **Ch, 5, 15, 16, 22, 32**
- Caprifoliaceae**
Cephalaria setosa Boiss. & Hohen. **Th, Ir.-Tur., 7, 15, 22, 25, 28, 32, 34, 35**
Cephalaria syriaca (L.) Roem. & Schult. **Th, 1, 3, 5, 7, 13, 16**
Knautia integrifolia (L.) Bertol. var. *bidens* (Sm.) Borbás **Th, E.Medit., 13, 19**
Lonicera etrusca Santi var. *etrusca* **Ph, Medit., 1, 5, 19**
Lonicera caprifolium L. **Ph, 19**
Pterocephalus brevis Coult. **Th, 1**
Scabiosa argentea L. **H, 1, 3, 5, 7, 9, 11, 12, 13, 15, 16, 19, 25, 28, 29, 36**
Scabiosa calocephala Boiss. **Th, Ir.-Tur., 1, 3, 5, 11, 12, 13, 15, 19, 32**
Scabiosa columbaria L. subsp. *columbaria* var. *columbaria* **H, 19**
Scabiosa persica Boiss. **Th, Ir.-Tur., 1, 5, 9, 11, 12, 15, 16, 19, 29, 32, 36**
Scabiosa prolifera L. **Th, E.Medit., 7**
Scabiosa rotata M.Bieb. **Th, Ir.-Tur., 3, 4, 7, 9, 11, 15, 22, 23, 24, 25, 31, 35**
Valerianella coronata (L.) DC. **Th, 1, 3, 19**
Valerianella dentata (L.) Pollich **Th, 1, 12**
Valerianella echinata (L.) DC. **Th, Medit., 1, 13**
Valerianella kotschyi Boiss. **Th, Ir.-Tur., 1, 3, 4, 16, 23, 24, 31, 32, 34**
Valerianella lasiocarpa (Steven) Betcke **Th, Ir.-Tur., 1**
Valerianella muricata (Steven ex Roem. & Schult.) W.H.Baxter **Th, 1, 3**
Valerianella pumila (L.) DC. **Th, 1, 3, 13**
Valerianella vesicaria (L.) Moench **Th, 1, 4, 5, 7, 9, 11, 12, 15, 16, 19, 22, 25, 26, 28, 32, 34**
- Caryophyllaceae**
Ankyropetalum gypsophiloides Fenzl **H, Ir.-Tur., 3, 16, 36**
Arenaria sabulinea Griseb. ex Fenzl **Th, Ir.-Tur., End., 1, 5, 10, 16**
Arenaria serpyllifolia L. subsp. *leptoclados* (Rchb.) Nyman **Th, 13**
Bufonia virgata Boiss. **Th, 3**
Cerastium dubium (Bastard) Guépin **Th, 1, 4, 24**
Cerastium dichotomum L. subsp. *dichotomum* **Th, 3, 16, 22, 24, 31, 32, 35, 36**
Cerastium dichotomum L. subsp. *inflatum* (Link) Cullen **Th, 36**

- Cerastium glomeratum* Thuill. **Th, 1, 10**
Cerastium haussknechtii Boiss. **H, Ir.-Tur., End., 1, 12, 32**
Cerastium kotschyi Boiss. **Th, 34**
Cerastium longifolium Willd. **Th, Ir.-Tur., 4**
Cerastium perfoliatum L. **Th, 1, 10**
Cerastium pumilum Curtis **Th, 3**
Dianthus cyri Fisch. & C.A.Mey. **Th, Ir.-Tur., 1, 5**
Dianthus elegans d'Urv var. *actinopetalus* (Fenzl) Reeve **H, E.Medit., End., 36**
Dianthus floribundus Boiss. **H, Ir.-Tur., 16**
Dianthus hymenolepis Boiss. **H, Ir.-Tur., 4, 23, 24**
Dianthus pallens Sm. var. *oxylepis* Boiss. **H, 1, 5, 7, 11, 12, 13**
Dianthus pallens Sm. var. *pallens* **H, 11**
Dianthus strictus Banks & Sol. var. *gracilior* (Boiss.) Reeve **H, 4, 23, 24, 28**
Dianthus strictus Banks & Sol. var. *strictus* **H, 1, 3, 9, 15, 16, 31, 32, 34**
Dianthus zederbaueri Vierh. **H, Ir.-Tur., End., 3**
Dianthus zonatus Fenzl var. *hypochlorus* (Boiss. & Heldr.) Reeve **H, 6, 22, 32, 35**
Dianthus zonatus Fenzl var. *zonatus* **H, 3, 7, 24, 25, 31**
Eremogone acerosa (Boiss.) Ikonn. **H, End., 3**
Eremogone gypsophiloides (L.) Fenzl **H, Ir.-Tur., 4, 24**
Gypsophila antari Post & Beauverd **Th, Saharo-Arabian, 1, 12, 13, 16, 26**
Gypsophila linearifolia (Fisch. & C.A.Mey.) Boiss. **Th, Ir.-Tur., 36**
Gypsophila pilosa Huds. **Th, Ir.-Tur., 1, 3, 16**
Gypsophila ruscifolia Boiss. **H, Ir.-Tur., 5, 16, 25, 36**
Gypsophila venusta Fenzl **H, Ir.-Tur., 1, 5, 12**
Gypsophila viscosa Murray **Th, Ir.-Tur., 1, 5, 9, 15**
Habrosia spinuliflora (Ser.) Fenzl **Th, Ir.-Tur., 1, 3, 7, 22, 23, 24, 32**
Herniaria glabra L. **Th, 1, 4, 5, 13, 24**
Herniaria hirsuta L. **Th, 3, 5**
Holosteum umbellatum L. subsp. *glutinosum* (M.Bieb.) Nyman **Th, 1, 5, 36**
Holosteum umbellatum L. subsp. *umbellatum* **Th, 1, 13, 24, 32, 34**
Loeflingia hispanica L. **Th, 12**
Minuartia decipiens (Fenzl) Bornm. **Th, 1, 9, 11, 15, 16, 29**
Minuartia formosa (Fenzl) Mattf. **Th, 1, 4, 9, 15, 29**
Minuartia hybrida (Vill.) Schischk. subsp. *hybrida* **Th, 5, 12, 15, 16, 19, 32**
Minuartia hybrida (Vill.) Schischk. subsp. *turcica* McNeill **Th, 1, 3, 11, 13, 15**
Minuartia mesogitana (Boiss.) Hand.-Mazz. subsp. *mesogitana* **Th, E.Medit., 36**
Minuartia montana L. subsp. *wiesneri* (Stapf) McNeill **Th, Ir.-Tur., 1, 7, 16**
Minuartia picta (Sibth. & Sm.) Bornm. **Th, 1, 3, 5, 9, 15, 29**
Moenchia mantica (L.) Bartl. subsp. *caerulea* (Boiss.) A.R.Clapham **Th, 4**
Moehringia trinervia (L.) Clairv. **Th, 10**
Paronychia argentea Lam. var. *argentea* **H, End., 1**
Paronychia boissieri Rouy **H, End., 12**
Paronychia kurdica Boiss. subsp. *haussknechtii* Chaudhri **H, End., 5, 15, 16, 28, 29**
Paronychia kurdica Boiss. subsp. *kurdica* var. *kurdica* **H, 22, 32, 34, 35, 36**
Saponaria tridentata Boiss. **Th, Ir.-Tur., 1, 11**
Scleranthus annuus L. subsp. *polycarpus* (L.) Thell. **Th, 12, 19**
Scleranthus annuus L. subsp. *verticillatus* (Tausch) Arcang. **Th, 5, 15, 19**
Scleranthus uncinatus Schur **Th, 19**
Silene chaetodonta Boiss. **Th, Ir.-Tur., 16**
Silene colorata Poir. subsp. *colorata* **Th, 1, 3, 5, 16**
Silene conoidea L. **Th, 3, 22, 32, 36**
Silene coniflora Otth **Th, 1, 3, 5, 7, 9, 13, 15, 16**
Silene crassipes Fenzl **Th, 1, 7, 11, 12**
Silene dichotoma Ehrh. subsp. *dichotoma* **H, 1, 9, 24, 36**
Silene dichotoma Ehrh. subsp. *racemosa* (Otth) Graebn. & P.Graebn. **H, 31**
Silene longipetala Vent. **H, 1, 3, 4, 5, 11, 12, 23, 24**
Silene lydia Boiss. **Th, E.Medit., 16**
Silene stenobotrys Boiss. & Hausskn. **H, Ir.-Tur., 28, 36**
Spergularia diandra (Guss.) Boiss. **Th, 5, 16**
Spergularia marina (L.) Besser **Th, 5**

Stellaria kotschyana Fenzl **Th, 7**

Stellaria media (L.) Vill. subsp. *media* **Th, 5, 10, 16, 26**

Stellaria pallida (Dumort.) Piré **Th, 3, 13, 19**

Telephium imperati L. subsp. *orientale* (Boiss.) Nyman **H, 1, 5**

Telephium oligospermum Steud. ex Boiss. **H, Ir.-Tur., 4, 22, 24, 35**

Vaccaria hispanica (Mill.) Rauschert **Th, 1, 3, 4, 5, 7, 9, 11, 12, 15, 16, 19, 22, 31, 32**

Velezia rigida L. **Th, 3, 13, 15, 24**

Cistaceae

Helianthemum kotschyana Boiss. **H, Ir.-Tur., 1**

Helianthemum lasiocarpum Desf ex Willk. **Th, 3**

Helianthemum ledifolium (L.) Mill. **Th, 1, 4, 16, 22, 23, 24, 36**

Helianthemum microcarpum Coss. ex Boiss. **Th, 3**

Helianthemum salicifolium (L.) Mill. **Th, 3, 5, 7, 9, 12, 15, 16, 29, 36**

Cleomaceae

Cleome ornithopodioides L. **Th, 5, 11, 15, 36**

Colchicaceae

Colchicum cilicicum (Boiss.) Dammer **Cr (G), E.Medit., 7, 17, 25**

Colchicum crocifolium Boiss. **Cr (G), 8, 15, 16, 17, 36**

Colchicum persicum Baker **Cr (G), Ir.-Tur., 1, 17**

Colchicum szovitsii Fisch. & C.A.Mey. subsp. *szovitsii* **Cr (G), Ir.-Tur., 4, 17, 24**

Colchicum trigynum (Steven ex Adam) Stearn **Cr (G), Ir.-Tur., 1, 4, 17, 24**

Convolvulaceae

Convolvulus arvensis L. **H, 1, 5, 7, 9, 10, 12, 13, 15, 16, 26, 31, 32, 36**

Convolvulus assyricus Griseb. **H, Ir.-Tur., End., 1**

Convolvulus aucheri Choisy **H, E.Medit., 5**

Convolvulus betonicifolius Mill. subsp. *betonicifolius* **H, 5, 11, 23**

Convolvulus betonicifolius Mill. subsp. *peduncularis* (Boiss.) Parris **H, Ir.-Tur., 1, 3, 4, 7, 15, 16, 22, 24, 25, 29, 31, 32, 34, 35**

Convolvulus cantabrica L. **Ch, 5, 13**

Convolvulus dorycnium L. subsp. *oxysepalus* (Boiss.) Rech.f. **H, E.Medit., 1, 5, 7, 12, 16, 22, 25, 28, 29, 32, 34, 35, 36**

Convolvulus galaticus Rost. ex Choisy **H, Ir.-Tur., 1, 11, 16**

Convolvulus holosericeus M.Bieb. subsp. *holosericeus* **H, Ir.-Tur., 15, 29**

Convolvulus lanatus Vahl **H, Saharo-Sindian, 36**

Convolvulus pilosellifolius Desr. **H, 1, 3, 10, 11**

Convolvulus reticulatus Choisy subsp. *reticulatus* **H, Ir.-Tur., 1, 3, 16, 22, 28**

Convolvulus scammonia L. **H, E.Medit., 10, 16**

Convolvulus siculus L. subsp. *siculus* **Th, Medit., 7**

Convolvulus stachydifolius Choisy **H, Ir.-Tur., 1, 3, 11, 12, 15, 16, 32**

Cressa cretica L. **H, 26**

Ipomoea imperati (Vahl) Griseb. **H, Medit., 19**

Crassulaceae

Rosularia haussknechtii (Boiss. & Reut.) A.Berger **H, Ir.-Tur., End., 1**

Sedum caespitosum (Cav.) DC. **Th, Medit., 3, 13, 16**

Sedum hispanicum L., **Th, Ir.-Tur., 3, 22**

Sedum microcarpum (Sm.) Schönland **Th, 1, 3, 10, 16, 36**

Sedum nanum Boiss. **Th, Ir.-Tur., 1, 4, 5, 13, 15, 24**

Sedum pallidum M.Bieb. **Th, Euro-Sib., 1, 10, 24**

Sedum rubens L. **Th, Medit., 3**

Sedum steudelii Boiss. **Th, Ir.-Tur., 1**

Umbilicus intermedius Boiss. **H, 1, 3, 5, 7, 9, 15, 17, 32, 34**

Umbilicus luteus (Huds.) Webb & Berthel. **H, 4, 22, 23, 24**

Umbilicus rupestris (Salisb.) Dandy **H, 5**

Cucurbitaceae

Bryonia multiflora Boiss. & Heldr. **H, Ir.-Tur., 4, 5, 12, 23, 24, 31**

Ecballium elaterium (L.) A.Rich. **H, Medit., 5, 7, 32**

Cuscutaceae

Cuscuta approximata Bab. **Th, Medit., 3**

Cuscuta babylonica Choisy var. *elegans* (Boiss. & Ball) Engelm. **Th, Ir.-Tur., 7**

Cuscuta campestris Yunck. **Th, 5, 12, 16**

Cuscuta epithymum (L.) L. var. *epithymum* **Th, E.Medit., 31**

Cuscuta planiflora Ten. **Th, 3**

Cyperaceae

Blysmus compressus (L.) Link subsp. *compressus* **H, 36**

Bolboschoenus maritimus (L.) Palla var. *maritimus* **Cr (He), 16**

Carex diluta M.Bieb. subsp. *diluta* **H, Ir.-Tur., 1, 12**

Carex divisa Huds. **H, Euro-Sib., 1, 5, 10, 15**

Carex divulsa Stokes **H, Euro-Sib., 5**

Carex hordeistichos Vill. **H, 1**

Carex pachystylis J.Gay **H, Ir.-Tur., 1, 12**

Carex pseudocyperus L. subsp. *pseudocyperus* **H, Euro-Sib., 1, 5**

Cyperus fuscus L. **Th, Euro-Sib., 16, 31**

Cyperus longus L. subsp. *longus* **H, 4, 5, 12**

Cyperus rotundus L. **H, 16, 31**

Eleocharis palustris (L.) Roem. & Schult. subsp. *palustris* **Cr (He), 1, 3, 4**

Eleocharis uniglumis (Link) Schult. subsp. *uniglumis* **Cr (He), 1**

Schoenoplectus tabernaemontani (C.C.Gmel.) Palla **Cr (He), 5**

Schoenus nigricans L. **H, 16**

Scirpoides holoschoenus (L.) Soják subsp. *holoschoenus* **Cr (He), 7, 10, 11**

Scirpus sylvaticus L. **H, 5**

Cystopteridaceae

Cystopteris fragilis (L.) Bernh. **Pt, 4**

Elaeagnaceae

Elaeagnus angustifolia L. var. *angustifolia* **Ph, 1, 5, 16**

Ephedraceae

Ephedra foeminea Forssk. **Ph, 5, 12, 15, 16**

Equisetaceae

Equisetum arvense L. **Pt, 16**

Euphorbiaceae

Chrozophora tinctoria (L.) A.Juss. **Th, 1, 3, 5, 12, 15, 16, 19, 22, 36**

Euphorbia aleppica L. **Th, 1, 3, 5, 9, 15, 29**

Euphorbia chamaesyce L. **Th, 3, 4, 5, 12, 16, 22, 35**

Euphorbia characias L. subsp. *wulfenii* (Hoppe ex W.D.J.Koch) Radcl.-Sm. **H, E.Medit., 13**

Euphorbia cheiradenia Boiss. & Hohen. **H, Ir.-Tur., 1, 7, 16, 22**

Euphorbia denticulata Lam. **H, Ir.-Tur., 13**

Euphorbia eriophora Boiss. **Th, Ir.-Tur., 1, 4**

Euphorbia erubescens Boiss. **H, 5, 9, 12, 15**

Euphorbia falcata L. subsp. *falcata* var. *galilaea* (Boiss.) Boiss. **Th, 1, 3, 5, 7, 12, 15, 19, 25**

Euphorbia fistulosa M.S.Khan **Th, Ir.-Tur., 1, 11, 16**

Euphorbia gaillardotii Boiss. & C.I.Blanche **Th, Ir.-Tur., 1, 3, 4**

Euphorbia haussknechtii Boiss. **Th, Ir.-Tur., 1, 3, 16**

Euphorbia helioscopia L. subsp. *helioscopia* **Th, 5**

Euphorbia hirsuta L. **H, 3, 5**

Euphorbia humifusa Willd. **Th, 36**

Euphorbia macroclada Boiss. **H, Ir.-Tur., 1, 3, 5, 9, 11, 12, 15, 16, 19, 25, 29, 32**

Euphorbia microsphaera Boiss. **Th, Ir.-Tur., 1, 9**

Euphorbia orientalis L. **H, Ir.-Tur., 28**

Euphorbia oxydonta Boiss. **Th, E.Medit., 1, 22, 35**

Euphorbia peplus L. var. *minima* DC. **Th, 5, 16**

Euphorbia petiolata Banks & Sol. var. *petiolata* **Th, Ir.-Tur., 1, 3, 11, 15, 22, 28, 29, 32, 34, 35, 36**

Euphorbia phymatosperma Boiss. subsp. *phymatosperma* **Th, Ir.-Tur., 1, 23**

Euphorbia sintenisii Boiss. ex Freyn **Th, 1, 3**

Euphorbia rigida M.Bieb. **H, Medit., 36**

Euphorbia szovitsii Fisch. & C.A.Mey. var. *kharputensis* Azn. ex M.S.Khan **Th, Ir.-Tur., 1, 3**

Euphorbia szovitsii Fisch. & C.A.Mey. var. *szovitsii* **Th, Ir.-Tur., 1, 13**

Euphorbia taurinensis All. **Th, 5**

Euphorbia valerianifolia Lam. **Th, E.Medit., 1**

Ricinus communis L. **Ph, 5**

Fabaceae

Alhagi maurorum Medik. subsp. *graecorum* (Boiss.) Awmack & Lock **H, 3, 26**

- Alhagi maurorum* Medik. subsp. *maurorum* **H, Ir.-Tur., 5, 9, 15, 16, 18, 32**
Anagyris foetida L. **Ph, Medit., 5, 18**
Argyrobolium crotalarioides Jaub. & Spach **Ch, 1, 5, 12, 15, 16, 18, 29**
Astragalus aduncus Willd. **H, Ir.-Tur., 1, 3, 7, 9, 15, 16, 18**
Astragalus aleppicus Boiss. **H, Ir.-Tur., 1, 3, 9, 16, 18, 22, 32, 35**
Astragalus amblolapis Fisch. **Ch, Ir.-Tur., 4, 24**
Astragalus ancistrocarpus Boiss. & Hausskn. **H, Ir.-Tur., 1, 3, 5, 11, 12, 16, 18**
Astragalus angustiflorus K.Koch subsp. *angustiflorus* **Ch, Ir.-Tur., 7, 9, 36**
Astragalus asterias Steven **Th, Ir.-Tur., 1, 3, 5, 11, 13, 15, 16, 18, 31, 32**
Astragalus barba-jovis DC. **Ch, Ir.-Tur., 18**
Astragalus brachystachys DC. **H, Ir.-Tur., 1, 12**
Astragalus caprinus L. subsp. *caprinus* **H, Ir.-Tur., 1, 3, 7, 9, 12, 18, 19**
Astragalus caspicus M.Bieb. subsp. *caspicus* **Ch, Ir.-Tur., 18**
Astragalus cephalotes Banks & Sol. var. *cephalotes* **Ch, 1, 18**
Astragalus cretaceus Boiss. & Kotschy **H, Ir.-Tur., 1, 12, 16, 18**
Astragalus cymbibracteatus Hub.-Mor. & D.F.Chamb. **Ch, Ir.-Tur., End., 5**
Astragalus dactylocarpus Boiss. subsp. *dactylocarpus* **H, Ir.-Tur., 1**
Astragalus diphtherites Fenzl var. *diphtherites* **Ch, Ir.-Tur., 1, 5, 12, 18, 22, 25, 28, 29, 32, 34, 35**
Astragalus dipodurus Bunge **Ch, Ir.-Tur., 18**
Astragalus ekimii Zarre & H.Duman **Ch, E.Medit., End., 18**
Astragalus elongatus Willd. subsp. *nucleiferus* (Boiss.) D.F.Chamb. **H, Ir.-Tur., 1, 5, 9, 16, 31**
Astragalus emarginatus Labill. **H, Ir.-Tur., 1, 15, 18**
Astragalus erythrotaenius Boiss. **H, Ir.-Tur., 4, 24**
Astragalus garaensis Širj. **Ch, Ir.-Tur., 4, 24**
Astragalus gaziantepicus D.F.Chamb. & V.A.Matthews **Ch, 5, 15**
Astragalus gummifer Labill. **Ch, Ir.-Tur., 4, 24**
Astragalus guttatus Banks & Sol. **Th, Ir.-Tur., 5, 18, 22**
Astragalus gymnolobus Fisch. **Ch, Ir.-Tur., End., 1**
Astragalus haarbachii Spruner **H, 18**
Astragalus hamosus L. **Th, 1, 3, 4, 5, 7, 11, 13, 15, 16, 18, 19, 22, 24, 31**
Astragalus lagopoides Lam. **Ch, Ir.-Tur., 4, 12, 24**
Astragalus lamarckii Boiss. **Ch, Ir.-Tur., End., 7, 11, 15, 19**
Astragalus leucomallophorus Bornm. & Širj. **Ch, Ir.-Tur., End., 3**
Astragalus mardinensis Nábelek **H, Ir.-Tur., End., 9**
Astragalus mesites Boiss. & Buhse **H, Ir.-Tur., 23**
Astragalus nervulosus Eig & Reese ex Hub.-Mor. **H, Ir.-Tur., End., 9**
Astragalus neurocarpus Boiss. **H, Ir.-Tur., 1, 4**
Astragalus onobrychis L. **H, 7, 22**
Astragalus ocephalus Boiss. subsp. *ocephalus* **H, Ir.-Tur., 3**
Astragalus ocephalus Boiss. subsp. *stachyophorus* Hub.-Mor. & D.F.Chamb. **H, Ir.-Tur., End., 1**
Astragalus oxyglottis M.Bieb. **Th, 36**
Astragalus pinetorum Boiss. subsp. *declinatus* Podlech **H, Ir.-Tur., 4**
Astragalus plumosus Willd. **Ch, Ir.-Tur., 4, 24**
Astragalus roussaeanus Boiss. **Ch, Ir.-Tur., 1**
Astragalus russelii Banks & Sol. **Ch, Ir.-Tur., 1, 3, 5, 9, 11, 12, 15, 16, 18, 29**
Astragalus scabrifolius Boiss. **H, Ir.-Tur., End., 9**
Astragalus strictifolius Boiss. var. *strictifolius* **Ch, Ir.-Tur., 12, 13**
Astragalus suberosus Banks & Sol. **H, 1, 3, 5, 9, 18, 32, 34**
Astragalus surugensis Boiss. & Hausskn. **H, Ir.-Tur., 1, 18**
Astragalus tigridis Boiss. **H, Ir.-Tur., 1, 5**
Astragalus triradiatus Bunge **Th, Ir.-Tur., 3**
Astragalus vexillaris Boiss. **H, Ir.-Tur., 1, 3, 4, 18**
Astragalus xylobasis Freyn & Bornm. **H, Ir.-Tur., 1, 3, 7, 9, 15, 18, 25**
Bituminaria bituminosa (L.) C.H.Stirt. **H, Medit., 5, 19**
Cercis siliquastrum L. subsp. *hebecarpa* (Bornm.) Yalt. **Ph, 1**
Cicer arietinum L. **Th, 5, 18, 32**
Cicer bijugum Rech.f. **Th, Ir.-Tur., 17, 19**
Cicer echinospermum P.H.Davis **Th, Ir.-Tur., End., 1, 4, 5, 15, 18, 24, 28, 29, 31, 32, 34**
Cicer pinnatifidum Jaub. & Spach **Th, 1, 7, 18, 22, 35, 36**
Coronilla scorpioides (L.) W.D.J.Koch **Th, 3, 4, 5, 7, 9, 11, 12, 15, 16, 18, 22, 28, 31, 32, 34, 36**

- Cullen jaubertianum* (Fenzl) C.H.Stirt. **H, Ir.-Tur., 4, 5**
- Galega officinalis* L. **H, Euro-Sib., 4, 18**
- Glycyrrhiza glabra* L. var. *glabra* **H, 1, 3, 4, 7, 9, 12, 15, 16, 18**
- Glycyrrhiza glabra* L. var. *glandulifera* (Waldst. & Kit.) Regel & Herder **H, 1, 5**
- Hedysarum pannosum* (Boiss.) Boiss. **H, Ir.-Tur., 1, 5, 9, 12, 16, 18**
- Hedysarum varium* Willd. subsp. *syriacum* (Boiss.) C.C.Towns. **H, Ir.-Tur., 15**
- Hedysarum varium* Willd. subsp. *varium* **H, Ir.-Tur., 1, 7, 12, 18, 25**
- Hippocrepis unisiliquosa* L. subsp. *bisiliqua* (Forssk.) Bornm. **Th, 16**
- Hippocrepis unisiliquosa* L. subsp. *unisiliquosa* **Th, 1, 3, 5, 9, 11, 12, 13, 15, 16, 18, 19, 22, 28, 31, 32, 34, 35, 36**
- Hymenocarpus circinnatus* (L.) Savi **Th, Medit., 3, 5, 7, 13, 16, 18, 28, 31**
- Lathyrus annuus* L. **Th, Medit., 4, 18, 36**
- Lathyrus aphaca* L. var. *aphaca* **Th, 24, 31**
- Lathyrus aphaca* L. var. *biflorus* Post **Th, 1, 4, 5, 7, 18, 25**
- Lathyrus aphaca* L. var. *modestus* P.H.Davis **Th, E.Medit., 9, 15, 29, 32**
- Lathyrus blepharicarpus* Boiss. **Th, E.Medit., 3**
- Lathyrus boissieri* Širj. **H, Ir.-Tur., 1, 4, 18**
- Lathyrus cassius* Boiss. **Th, E.Medit., 4, 5, 7, 11, 12, 19**
- Lathyrus chrysanthus* Boiss. **Th, Ir.-Tur., 1, 4, 7**
- Lathyrus cicera* L. **Th, 5, 13, 15, 16, 18, 22, 31, 32**
- Lathyrus inconspicuus* L. var. *inconspicuus* **Th, 1, 3, 7, 18, 23**
- Lathyrus inconspicuus* L. var. *stenophyllus* (Boiss.) Rech.f. **Th, 1, 4, 24**
- Lathyrus nissolia* L. **Th, 5**
- Lathyrus pseudocicera* Pamp. **Th, Ir.-Tur., 1, 3, 4, 11, 18, 32**
- Lathyrus sativus* L. **Th, 1, 3, 5, 7, 9, 15, 16, 18, 26, 32**
- Lathyrus setifolius* L. **Th, Medit., 3, 18**
- Lathyrus trachycarpus* (Boiss.) Boiss. **Th, Ir.-Tur., End., 1, 4, 23**
- Lathyrus vinealis* Boiss. & Noë **Th, Ir.-Tur., 4, 23, 24, 28, 31**
- Lens culinaris* Medik. subsp. *culinaris* **Th, 3, 4, 5, 18**
- Lens culinaris* Medik. subsp. *orientalis* (Boiss.) Ponert **Th, 1, 7, 9, 12, 15, 16, 18, 19, 22, 23, 24, 25, 29, 31, 32, 34, 36**
- Lens ervoides* (Brign.) Grande **Th, Medit., 3**
- Lens montbretii* (Fisch. & C.A.Mey.) P.H.Davis & Plitmann **Th, Ir.-Tur., 1, 4, 24**
- Lotus aegaeus* (Griseb.) Boiss. **H, Ir.-Tur., 1, 3, 4, 5, 15, 18, 28**
- Lotus corniculatus* L. var. *corniculatus* **H, 4, 5, 10**
- Lotus gebelia* Vent. var. *gebelia* **H, 1, 3, 5, 7, 11, 18, 19, 25, 36**
- Lotus gebelia* Vent. var. *hirsutissimus* (Ledeb.) Ponert **H, 1, 4, 18, 22, 24, 35**
- Lotus palustris* Willd. **H, 5**
- Medicago arabica* (L.) Huds. **Th, 13**
- Medicago astroites* (Fisch. & C.A.Mey.) Trautv. **Th, Ir.-Tur., 1, 11, 16, 18, 31**
- Medicago constricta* Durieu **Th, E.Medit., 3, 13**
- Medicago coronata* (L.) Bartal. **Th, Medit., 5, 7, 18, 22, 25, 28, 31, 32, 35**
- Medicago crassipes* (Boiss.) E.Small **Th, Ir.-Tur., 3, 18**
- Medicago falcata* L. **H, 5**
- Medicago granadensis* Willd. **Th, E.Medit., 5, 16**
- Medicago lupulina* L. **H, 5, 7, 10, 15**
- Medicago minima* (L.) L. var. *minima* **Th, 5, 9, 13, 15, 18, 19**
- Medicago monantha* (C.A.Mey.) Trautv. **Th, Ir.-Tur., 1, 3, 5, 7, 9, 11, 12, 15, 16, 18, 25, 31, 32, 34, 36**
- Medicago noeana* Boiss. **Th, Ir.-Tur., 9, 15, 18**
- Medicago orbicularis* (L.) Bartal. **Th, 3, 5, 9, 15, 16, 18, 19**
- Medicago phrygia* (Boiss. & Balansa) E.Small **Th, Ir.-Tur., 1, 5, 11, 18, 23, 36**
- Medicago polymorpha* L. var. *polymorpha* **Th, 3, 5, 16**
- Medicago polymorpha* var. *vulgaris* (Benth.) Shinnars **Th, 3, 5, 9, 16**
- Medicago radiata* L. **Th, Ir.-Tur., 1, 3, 7, 9, 11, 15, 16, 18, 19, 22, 25, 28, 29, 31, 32, 34, 35, 36**
- Medicago rigidula* (L.) All. var. *agrestis* Burniat **Th, 22, 35**
- Medicago rigidula* (L.) All. var. *cinerescens* (Jord.) Rouy **Th, 4, 5, 11**
- Medicago rigidula* (L.) All. var. *rigidula* **Th, 1, 3, 4, 5, 9, 11, 13, 15, 16, 18, 22, 31, 32, 34, 36**
- Medicago rigidula* (L.) All. var. *submitis* (Boiss.) Ponert **Th, 5, 16, 23, 31**
- Medicago rotata* Boiss. var. *eliezeri* Eig **Th, 7**
- Medicago sativa* L. subsp. *sativa* **H, 3, 16, 18**
- Medicago shepardii* Post ex Boiss. **Th, Ir.-Tur., End., 4, 7, 24, 25**

- Medicago truncatula* Gaertn. var. *truncatula* **Th, Medit., 5, 13**
Medicago turbinata (L.) All. var. *chiotica* Urb. **Th, 7**
Melilotus elegans Salz. ex Ser. **Th, Medit., 5**
Melilotus indicus (L.) All. **Th, 5, 18**
Melilotus officinalis (L.) Lam. **Th, 5, 16, 36**
Onobrychis aequidentata (Sm.) d'Urv. **Th, Medit., 5, 7, 18, 22, 25, 32, 34, 35**
Onobrychis altissima Grossh. **H, 9**
Onobrychis caput-galli (L.) Lam. **Th, Medit., 5, 7, 13, 18, 25, 32**
Onobrychis crista-galli (L.) Lam. **Th, Medit., 1, 3, 5, 11, 12, 16, 18, 19, 22, 31, 35, 36**
Onobrychis galegifolia Boiss. **H, Ir.-Tur., 1, 3, 7, 12, 18, 22, 35**
Onobrychis gracilis Besser **H, 5**
Onobrychis kotschyana Fenzl **H, 1, 3, 5, 7, 9, 15, 18, 19, 22, 25, 29, 32, 34, 36**
Onobrychis megataphros Boiss. **H, Ir.-Tur., 1, 4, 9, 11, 16, 18, 24**
Onobrychis montana DC. subsp. *cadmea* (Boiss.) P.W.Ball **H, 5**
Onobrychis oxyodonta Boiss. var. *armena* (Boiss. & A.Huet) Aktoklu **H, 9, 15, 18, 29**
Onobrychis oxyodonta Boiss. var. *oxyodonta* **H, 3**
Onobrychis ptolemaica (Delile) DC. **H, Ir.-Tur., 3**
Ononis adenotricha Boiss. **H, E.Medit., 1, 36**
Ononis biflora Desf. **Th, Medit., 1, 5, 12**
Ononis ornithopodioides L. **Th, Medit., 5**
Ononis pusilla L. **H, Medit., 5**
Ononis reclinata L. **Th, Medit., 3**
Ononis spinosa L. subsp. *antiquorum* (L.) Arcang. **H, Medit., 5**
Ononis spinosa L. subsp. *leiosperma* (Boiss.) Širj. **H, 1, 4, 5, 7, 9, 16, 18, 23, 24, 25, 31**
Ononis viscosa L. subsp. *breviflora* (DC.) Nyman **Th, Medit., 1, 22, 35**
Ononis viscosa L. subsp. *scicula* (Guss.) Hub.-Mor. **Th, Medit., 1, 5, 18**
Pisum fulvum Sm. **Th, E.Medit., 3, 7**
Pisum sativum L. subsp. *elatius* (M.Bieb.) Asch. & Graebn. var. *elatius* **Th, Medit., 4, 5, 22**
Pisum sativum L. subsp. *elatius* (M.Bieb.) Asch. & Graebn. var. *pumilio* Meikle **Th, 4, 5, 9, 15, 18, 19, 22, 32**
Pisum sativum L. subsp. *sativum* var. *arvense* (L.) Poir. **Th, 1, 4, 5, 36**
Prosopis farcta (Banks & Sol.) J.F.Macbr. **H, 3, 5, 7, 10, 12, 16, 18, 26**
Securigera parviflora (Desv.) Lassen **Th, E.Medit., 5**
Securigera securidaca (L.) Degen & Dörfel. **Th, 5**
Scorpiurus subvillosus L. var. *subvillosus* **Th, Medit., 5, 7, 9, 15, 18, 22**
Spartium junceum L. **Ph, Medit., 5**
Trifolium aintabense Boiss. & Hausskn. **Th, E.Medit., End., 4**
Trifolium ambiguum M.Bieb. **H, 4, 24**
Trifolium angustifolium L. **Th, 4, 5, 15**
Trifolium arvense L. var. *arvense* **Th, 4, 23, 24, 31**
Trifolium boissieri Guss. **Th, E.Medit., 1, 5, 13, 15, 18, 22, 28, 32, 34, 35**
Trifolium bullatum Boiss. & Hausskn. **Th, 3, 5, 7, 15, 32**
Trifolium campestre Schreb. subsp. *campestre* var. *campestre* **Th, 1, 3, 4, 5, 7, 9, 11, 13, 16, 18, 19, 22, 23, 24, 25, 31, 32, 34**
Trifolium cherleri L. **Th, Medit., 1, 4, 18, 22, 32, 34, 35**
Trifolium dasyurum C.Presl **Th, E.Medit., 1, 3, 9, 18**
Trifolium echinatum M.Bieb. **Th, E.Medit., 7, 9**
Trifolium fragiferum L. var. *pulchellum* Lange **H, 5**
Trifolium globosum L. **Th, 18**
Trifolium grandiflorum Schreb. **Th, 1, 4, 7, 12, 13, 18, 22, 23, 24, 28, 31, 34, 35**
Trifolium haussknechtii Boiss. var. *candollei* (Post) Hossain **Th, Ir.-Tur., 1, 4, 23, 24**
Trifolium haussknechtii Boiss. var. *haussknechtii* **Th, Ir.-Tur., 1, 4**
Trifolium hirtum All. **Th, Medit., 1, 4, 7, 11, 18, 19, 22, 23, 24**
Trifolium hybridum L. var. *hybridum* **H, 5**
Trifolium infamia-ponertii Greuter **Th, 1, 5, 18**
Trifolium leucanthum M.Bieb. **Th, 3, 7, 9, 11, 15, 16, 19, 22, 24, 28, 35**
Trifolium lucanicum Guss. **Th, Medit., 7, 18**
Trifolium meironense Zohary & Lerner **Th, 1, 4**
Trifolium nigrescens Viv. subsp. *nigrescens* **Th, 24**
Trifolium nigrescens Viv. subsp. *petrisavii* (Clementi) Holmboe **Th, 16, 18, 23**
Trifolium pauciflorum d'Urv. **Th, E.Medit., 1, 7, 18, 22, 23, 24, 25, 31, 32, 34, 35, 36**

- Trifolium phleoides* Willd. **Th, Medit., 3**
Trifolium physodes M.Bieb. var. *psilocalyx* Boiss. **H, E.Medit., 4, 5, 23, 24**
Trifolium pilulare Boiss. **Th, 1, 3, 7, 9, 15, 18, 22, 25, 28, 29, 32, 34**
Trifolium purpureum Loisel. var. *laxiusculum* (Boiss. & C.I.Blanche) Hossain **Th, E.Medit., 5**
Trifolium purpureum Loisel. var. *purpureum* **Th, 1, 3, 4, 18, 22, 31**
Trifolium repens L. var. *giganteum* Lagr.-Foss. **H, 4**
Trifolium repens L. var. *repens* **H, 5, 10**
Trifolium resupinatum L. var. *resupinatum* **Th, 3, 4, 5, 7, 9, 16, 18, 25, 31**
Trifolium retusum L. **Th, 4, 11, 23, 24**
Trifolium scabrum L. **Th, 1, 5, 13, 18, 22, 23, 24, 31, 35, 36**
Trifolium spumosum L. **Th, Medit., 5, 7, 9, 18, 22, 32**
Trifolium stellatum L. var. *stellatum* **Th, 1, 3, 5, 7, 11, 13, 15, 16, 18, 19, 22, 31, 32, 34, 35, 36**
Trifolium subterraneum L. **Th, 5**
Trifolium sylvaticum Gérard **Th, 3, 4, 24**
Trifolium tomentosum L. var. *tomentosum* **Th, 1, 4, 5, 7, 9, 11, 12, 13, 15, 16, 18, 19, 22, 24, 25, 26, 31, 32, 34, 35, 36**
Trigonella coelesyriaca Boiss. **Th, Ir.-Tur., 7, 9, 12, 15, 16, 18, 19, 25, 29, 31, 32, 34, 36**
Trigonella coerulescens (M.Bieb.) Halácsy subsp. *coerulescens* **Th, Ir.-Tur., 1, 18, 26**
Trigonella corniculata (L.) L. **Th, W.Medit., 5**
Trigonella cylindracea Desv. **Th, E.Medit., 22**
Trigonella filipes Boiss. **Th, Ir.-Tur., 1, 3, 7, 9, 11, 15, 18, 22, 25, 29, 32, 35, 36**
Trigonella foenum-graecum L. **Th, 1, 5, 18, 26**
Trigonella mesopotamica Hub.-Mor. **Th, Ir.-Tur., 1, 3, 7, 9, 11, 12, 15, 16, 18, 19, 22, 25, 29, 32, 34, 35**
Trigonella monspeliaca L. **Th, Medit., 1, 5, 9, 11, 13, 16, 18, 22, 26, 32, 34, 35**
Trigonella spicata Sm. **Th, E.Medit., 5, 12, 13, 18**
Trigonella spruneriana Boiss. **Th, Ir.-Tur., 4, 5, 7, , 9, 12, 15, 16, 18, 22, 25, 32, 35, 36**
Trigonella strangulata Boiss. **Th, Ir.-Tur., 18**
Vicia aintabensis Boiss. & Hausskn. **Th, Ir.-Tur., 1, 5, 7, 15, 18, 36**
Vicia anatolica Turrill **Th, Ir.-Tur., 7, 9, 16**
Vicia articulata Hornem. **Th, 4**
Vicia assyriaca Boiss. **Th, Ir.-Tur., 1, 4, 9, 11, 15, 18, 19, 31, 32**
Vicia cracca L. subsp. *cracca* **H, Euro-Sib., 18**
Vicia cracca L. subsp. *stenophylla* Velen. **H, 1, 4, 5, 10, 18, 23, 24, 31**
Vicia cuspidata Boiss. **Th, E.Medit., 9**
Vicia ervilia (L.) Willd. **Th, 5, 9, 15, 18, 29, 32, 36**
Vicia esdraelonensis Warb. & Eig **Th, Ir.-Tur., 1**
Vicia grandiflora Scop. var. *dissecta* Boiss. **Th, 5**
Vicia grandiflora Scop. var. *grandiflora* **Th, 5**
Vicia hirsuta (L.) Gray **Th, 7**
Vicia hybrida L. **Th, 4, 5, 7, 9, 11, 16, 18, 19, 31**
Vicia lathyroides L. **Th, 4, 23, 24**
Vicia lunata (Boiss. & Balansa) Boiss. var. *lunata* **Th, 9, 19**
Vicia mollis Boiss. & Hausskn. **Th, Ir.-Tur., 1, 3, 4, 5, 12, 31, 32**
Vicia narbonensis L. var. *narbonensis* **Th, 1, 3, 4, 5, 7, 15, 16, 18, 26, 31, 32, 36**
Vicia noeana Reuter ex Boiss. var. *noeana* **Th, Ir.-Tur., 4**
Vicia palaestina Reut. ex Boiss. **Th, E.Medit., 1, 4, 9, 11, 12, 15, 16, 19, 22, 28, 29, 35**
Vicia peregrina L. **Th, 1, 3, 4, 5, 12, 13, 15, 16, 18, 19, 31, 32, 36**
Vicia sativa L. subsp. *amphicarpa* (Dorthes) Asch. **Th, 18**
Vicia sativa L. subsp. *macrocarpa* (Moris) Arcang. **Th, 18**
Vicia sativa L. subsp. *nigra* (L.) Ehrh. var. *nigra* **Th, 3, 9, 16, 18, 19, 22, 31, 36**
Vicia sativa L. subsp. *nigra* (L.) Ehrh. var. *segetalis* (Thuill.) Ser. **Th, 9**
Vicia sativa L. subsp. *sativa* **Th, 4, 5, 9, 12, 18, 19, 32**
Vicia seriocarpa Fenzl. var. *seriocarpa* **Th, 4, 18, 22, 24, 31, 32, 35**
Vicia tetrasperma (L.) Schreb. **Th, 11**
Vicia villosa Roth subsp. *eriocarpa* (Hausskn.) P.W.Ball **Th, 36**
Vicia villosa Roth subsp. *villosa* **Th, 13, 15, 18**
- Fagaceae**
Quercus brantii Lindl. **Ph, Ir.-Tur., 1, 4, 5, 7, 23**
Quercus coccifera L. **Ph, Medit., 5**
Quercus infectoria G.Olivier subsp. *veneris* (A.Kern.) Meikle **Ph, 1, 4, 5, 23**

Frankeniaceae

Frankenia pulverulenta L. **Th, 26**

Gentianaceae

Centaurium pulchellum (Sw.) Druce **Th, 12**

Gentiana olivieri Griseb. **H, Ir.-Tur., 1, 3, 12, 16, 22**

Geraniaceae,

Erodium botrys (Cav.) Bertol. **Th, Medit., 22, 26**

Erodium ciconium (L.) L'Hér. **Th, 12, 16, 22, 28, 32, 34**

Erodium cicutarium (L.) L'Hér. subsp. *cutarium* **Th, 3, 7, 9, 11, 12, 13, 15, 16, 19, 22, 24, 25, 26, 28, 29, 31, 32, 35, 36**

Erodium gruinum (L.) L'Hér. **Th, E.Medit., 1, 3, 5, 12, 16, 19, 22, 32, 34**

Geranium columbinum L. **Th, 16**

Geranium dissectum L. **Th, 1, 9, 15, 16**

Geranium libanoticum Schenk **H, 1, 15, 29, 32**

Geranium lucidum L. **Th, 7**

Geranium molle L. **Th, 7, 22, 25, 32**

Geranium rotundifolium L. **Th, 1, 3, 4, 5, 7, 10, 16, 19, 22, 24, 25, 31, 32, 34**

Geranium tuberosum L. **H, Ir.-Tur., 1, 4, 7, 9, 10, 11, 12, 15, 16, 17, 19, 23, 24, 25, 26, 28, 29, 31, 32, 36**

Globulariaceae

Globularia orientalis L. **Ch, Ir.-Tur., 1**

Haloragaceae

Myriophyllum spicatum L. **Cr (Hy), 1**

Hydrocharitaceae

Najas minor All. **Cr (Hy), 5**

Hypericaceae

Hypericum amblysepalum Hochst. **Ch, 1, 4**

Hypericum aviculariifolium Jaub. & Spach **H, E.Medit., End., 7**

Hypericum capitatum Choisy var. *capitatum* **H, Ir.-Tur., 1, 5, 9, 13, 16**

Hypericum capitatum Choisy var. *luteum* N.Robson **H, Ir.-Tur., End., 1, 3, 5, 9, 16, 23**

Hypericum cardiophyllum Boiss. **Ph, 1, 5, 11, 12**

Hypericum helianthemoides (Spach) Boiss. **H, Ir.-Tur., 1, 19**

Hypericum kotschyanum Boiss. **H, End., 36**

Hypericum lydiium Boiss. **H, 5**

Hypericum lysimachioides Boiss. & Noë var. *lysimachioides* **H, Ir.-Tur., 3**

Hypericum olivieri (Spach) Boiss. **H, Ir.-Tur., 1**

Hypericum perforatum L. subsp. *perforatum* **H, 5, 7, 36**

Hypericum retusum Aucher **H, Ir.-Tur., 1, 3, 5, 7, 9, 11, 15, 16, 19, 22, 25, 29, 32, 35**

Hypericum salsolifolium Hand.-Mazz. **H, Ir.-Tur., End., 1, 7**

Hypericum triquetrifolium Turra **H, 1, 3, 5, 6, 7, 9, 12, 15, 19, 22, 28, 36**

Iridaceae

Crocus cancellatus Herb. subsp. *damascenus* (Herb.) B.Mathew **Cr (G), Ir.-Tur., 1, 3, 4, 7, 9, 11, 15, 16, 17, 24, 25, 36**

Crocus leichtlinii (Dewey) Bowles **Cr (G), Ir.-Tur., End., 1, 4, 17, 24**

Crocus pallasii Goldb. subsp. *pallasii* **Cr (G), 15**

Crocus pallasii Goldb. subsp. *turcicus* B.Mathew **Cr (G), 1, 7, 9, 11, 16, 17, 22, 24, 25, 31, 35, 36**

Gladiolus atrovioleaceus Boiss. **Cr (G), Ir.-Tur., 1, 3, 5, 7, 11, 17, 22, 32, 34, 35**

Gladiolus humilis Stapf **Cr (G), Ir.-Tur., End., 17**

Gladiolus illyricus W.D.J.Koch **Cr (G), Medit., 4, 24, 31**

Gladiolus italicus Mill. **Cr (G), 1, 7, 17, 25**

Gladiolus kotschyanus Boiss. **Cr (G), Ir.-Tur., 1**

Gladiolus micranthus Stapf **Cr (G), E.Medit., End., 9, 17**

Gynandrisis sisyrinchium (L.) Parl. **Cr (G), 1, 3, 11, 15, 16, 17, 22, 32, 34**

Iris aucheri (Baker) Sealy **Cr (G), Ir.-Tur., 1, 4, 17**

Iris gatesii Foster **Cr (G), Ir.-Tur., 1, 17**

Iris masiae Foster subsp. *masiae* **Cr (G), Ir.-Tur., 1, 4, 17**

Iris persica L. **Cr (G), Ir.-Tur., 4, 7, 9, 11, 15, 16, 17, 25, 36**

Iris pseudacorus L. **Cr (G), 17**

Iris reticulata M.Bieb. var. *reticulata* **Cr (G), Ir.-Tur., 1, 4, 17**

Ixioliriaceae

Ixiolirion tataricum (Pall.) Schult. & Schult.f. subsp. *tataricum* Cr (G), **Ir.-Tur.**, 1, 3, 4, 7, 9, 12, 15, 16, 17, 19, 22, 24, 31, 32, 34, 35, 36

Juncaceae

Juncus articulatus L. subsp. *articulatus* **H, Euro-Sib.**, 16, 31

Juncus bufonius L. **Th**, 5

Juncus gerardi Loisel. subsp. *gerardi* **H**, 11

Lamiaceae

Ajuga chamaepitys (L.) Schreb. subsp. *chia* (Schreb.) Arcang. **H**, 22, 32, 34, 35

Ajuga chamaepitys (L.) Schreb. subsp. *euphratica* P.H.Davis **H, Ir.-Tur.**, **End.**, 1

Ajuga chamaepitys (L.) Schreb. subsp. *laevigata* (Boiss.) P.H.Davis **H, Ir.-Tur.**, 1, 5, 7, 11, 16, 19, 28, 31, 36

Ajuga chamaepitys (L.) Schreb. subsp. *mesogitana* (Boiss.) Bornm. **H, E.Medit.**, 3

Ballota saxatilis Sieber ex C.Presl subsp. *brachyodonta* (Boiss.) P.H.Davis & Doroszenko **H, E.Medit.**, 22, 25

Ballota saxatilis Sieber ex C.Presl subsp. *saxatilis* **H, E.Medit.**, 5, 9, 10, 22, 28, 35

Clinopodium congestum (Boiss. & Hausskn.) Kuntze **H, Ir.-Tur.**, 1, 3, 15

Clinopodium graveolens (M.Bieb.) Kuntze subsp. *rotundifolium* (Pers.) Govaerts, **Th**, 1

Clinopodium insulare (Candargy) Govaerts **H, E.Medit.**, 1

Clinopodium serpyllifolium (M.Bieb.) Kuntze subsp. *barbatum* (P.H.Davis) Bräuchler **H, E.Medit.**, 36

Cyclotrichium leucotrichum (Stapf ex Rech.f.) Leblebici **H, Ir.-Tur.**, 9, 15

Lallemantia iberica (M.Bieb.) Fisch. & C.A.Mey. **Th, Ir.-Tur.**, 1, 4

Lamium amplexicaule L. var. *allepicum* (Boiss. & Hausskn.) Bornm. **Th, Ir.-Tur.**, 1, 3, 5, 12, 15, 16, 19, 28, 29

Lamium amplexicaule L. subsp. *amplexicaule* **Th, Euro-Sib.**, 3, 4, 7, 9, 15, 22, 24, 25, 31, 32, 34, 36

Lamium macrodon Boiss. & A.Huet **Th, Ir.-Tur.**, 1, 4, 10, 13, 24

Lamium purpureum L. var. *ehrenbergii* (Boiss. & Reut.) Mennema **Th, E.Medit.**, 36

Lycopus europaeus L. **H, Euro-Sib.**, 4

Marrubium cuneatum Banks & Sol. **Ch, Ir.-Tur.**, 1

Marrubium parviflorum Fisch. & C.A.Mey. subsp. *oligodon* (Boiss.) Seybold **H, End.**, 16

Marrubium parviflorum Fisch. & C.A.Mey. subsp. *parviflorum* **H, Ir.-Tur.**, 5, 7, 9, 13, 15, 24, 25, 29, 32, 34

Marrubium vulgare L. **H**, 1, 9, 13, 25

Mentha aquatica L. **H**, 5

Mentha longifolia (L.) L. subsp. *longifolia* **H**, 12

Mentha longifolia (L.) L. subsp. *noeana* (Briq.) Briq. **H**, 12

Mentha longifolia (L.) L. subsp. *typhoides* (Briq.) Harley **H**, 1, 4, 12, 16

Mentha x piperita L. (*M. aquatica* L. x *M. spicata* L.) **H**, 5

Mentha pulegium L. **H**, 5, 10, 12, 16, 19, 31

Micromeria myrtifolia Boiss. & Hohen. **H, E.Medit.**, 32, 34

Moluccella laevis L. **Th, Ir.-Tur.**, 3, 4, 15, 16

Nepeta congesta Fisch. & C.A.Mey. subsp. *cryptantha* (Boiss. & Hausskn.) Dirmenci & Yıldız **H**, 1, 3

Nepeta italica L. **H**, 1, 4, 5, 7, 19, 22, 23, 25, 28, 31

Nepeta nuda L. subsp. *albiflora* (Boiss.) Gams **H**, 4, 5, 23, 24, 31

Nepeta stricta (Banks & Sol.) Hedge & Lamond var. *stricta* **H, Ir.-Tur.**, 1, 5

Nepeta trachonitica Post **H, Ir.-Tur.**, 23

Ocimum basilicum L. **Th**, 5

Phlomis armeniaca Willd. **H, Ir.-Tur.**, 3, 11, 24

Phlomis bruguieri Desf. **H, Ir.-Tur.**, 1, 3, 5, 6, 9, 11, 12, 13, 15, 19, 22, 28, 29, 32, 34, 35

Phlomis kurdica Rech.f. **H, Ir.-Tur.**, 1, 3, 4, 5, 7, 9, 11, 13, 15, 16, 19, 22, 24, 28, 32, 34, 35

Phlomis × *praetervisiva* Rech.f. **H**, 30

Phlomis pungens Willd. var. *pungens* **H**, 1, 4, 5, 16

Phlomis rigida Labill. **H, Ir.-Tur.**, 1, 4, 7, 11, 12

Phlomis syriaca Boiss. **H, Ir.-Tur.**, 3, 16

Phlomoides laciniata (L.) Kamelin & Makhm. **H, Ir.-Tur.**, 23

Salvia brachyantha (Bordz.) Pobed. subsp. *brachyantha* **H, Ir.-Tur.**, 1, 3, 5, 12

Salvia bracteata Banks & Sol. **H, Ir.-Tur.**, 1, 4, 5, 19, 22, 23, 24, 31, 35

Salvia ceratophylla L. **H, Ir.-Tur.**, 1, 3, 16, 19

Salvia montbretii Benth. **H, Ir.-Tur.**, 1, 5

Salvia multicaulis Vahl **Ch, Ir.-Tur.**, 4, 7, 9, 15, 16, 24, 25, 29, 31, 32, 34, 36

Salvia palaestina Benth. **H, Ir.-Tur.**, 1, 3, 5, 7, 22, 25, 28, 34, 35

Salvia pocolata Nábelek **H, Ir.-Tur.**, 4, 16, 24

Salvia russellii Benth. **H, Ir.-Tur.**, 1, 9, 15

Salvia sclarea L. **H**, 3, 13

- Salvia spinosa* L. **H, Ir.-Tur., 1, 3, 5**
Salvia suffruticosa Montbret & Aucher ex Benth. **H, Ir.-Tur., 1, 9**
Salvia syriaca L. **H, Ir.-Tur., 1, 3, 4, 5, 7, 9, 25, 32, 34**
Salvia virgata Jacq. **H, Ir.-Tur., 9, 36**
Salvia viridis L. **Th, Medit., 1, 5, 10, 11, 15, 16, 19, 29, 31, 32**
Satureja aintabensis P.H.Davis **H, Ir.-Tur., End., 5**
Satureja hortensis L. **Th, 13**
Satureja thymbra L. **Ch, E.Medit., 12**
Scutellaria galericulata L. **H, 4, 7, 24**
Scutellaria heterophylla Montbret & Aucher ex Benth. **H, E.Medit., 11**
Scutellaria megalaspis Rech.f. **H, Ir.-Tur., 1, 5**
Scutellaria orientalis L. subsp. *bicolor* (Hochst.) J.R.Edm. **H, Ir.-Tur., End., 4, 24**
Scutellaria orientalis L. subsp. *haussknechtii* (Boiss.) J.R.Edm. **H, Ir.-Tur., End., 22, 25, 28, 35, 36**
Scutellaria orientalis L. subsp. *porphyrostegia* J.R.Edm. **H, Ir.-Tur., End., 16**
Scutellaria tomentosa Bertol. **Ch, Ir.-Tur., 1, 3, 7, 9, 13, 15, 16**
Sideritis libanotica Labill. subsp. *kurdica* (Bornm.) Hub.-Mor. **H, Ir.-Tur., 22, 35, 36**
Sideritis libanotica Labill. subsp. *microchlamys* (Hand.-Mazz.) Hub.-Mor. **H, Ir.-Tur., 5, 16, 25**
Stachys burgsdorffoides (Benth.) Boiss. subsp. *burgsdorffoides* **Th, Ir.-Tur., 1, 4, 7, 9**
Stachys burgsdorffoides (Benth.) Boiss. subsp. *ladanoides* Hand.-Mazz. **Th, Ir.-Tur., End., 1**
Stachys cretica L. subsp. *garana* (Boiss.) Rech.f. **H, Ir.-Tur., 11**
Stachys iberica M.Bieb. subsp. *iberica* var. *iberica* **H, Ir.-Tur., 16**
Stachys iberica M.Bieb. subsp. *stenostachya* (Boiss.) Rech.f. **H, Ir.-Tur., 4**
Stachys longispicata Boiss. & Kotschy **H, Ir.-Tur., 1**
Stachys mardinensis (Post) R.R.Mill **Ch, Ir.-Tur., 5, 15**
Stachys pumila Banks & Sol. **H, E.Medit., 5**
Stachys satirejoides Montbret & Aucher ex Benth. **Th, Ir.-Tur., 1, 3**
Stachys setifera C.A.Mey. subsp. *lycia* (Gand.) R.Bhattacharjee **H, Ir.-Tur., End., 1, 9**
Teucrium multicaule Montbret & Aucher ex Benth. **Ch, Ir.-Tur., 1, 5, 7, 9, 11, 12, 16, 22, 23, 25, 35, 36**
Teucrium orientale L. var. *puberulens* Ekim **H, Ir.-Tur., 36**
Teucrium parviflorum Schreb. **H, Ir.-Tur., 1, 4, 13, 19, 24**
Teucrium polium L. subsp. *polium* **Ch, 1, 4, 5, 7, 9, 10, 11, 12, 13, 15, 16, 19, 22, 24, 25, 28, 29, 31, 32, 34, 35, 36**
Teucrium pruinosum Boiss. **H, Ir.-Tur., 1, 3, 12, 19, 25**
Thymbra sintenisii Bornm. & Azn. subsp. *sintenisii* **Ch, Ir.-Tur., 36**
Thymbra spicata L. subsp. *spicata* **Ch, E.Medit., 5, 12, 13, 15, 16, 22, 25, 28, 29, 32, 34, 35, 36**
Thymus fallax Fisch. & C.A.Mey. **Ch, Ir.-Tur., 7**
Thymus haussknechtii Velen. **Ch, Ir.-Tur., End., 16**
Thymus kotschyanus Boiss. & Hohen. subsp. *kotschyanus* **Ch, Ir.-Tur., 4, 5, 10, 24**
Thymus longicaulis C.Presl subsp. *chaubardii* (Rechb.f.) Jalas **Ch, 4, 24**
Thymus longicaulis C.Presl subsp. *longicaulis* **Ch, 11**
Vitex agnus-castus L. **Ph, Medit., 3, 4, 5, 23**
Ziziphora capitata L. **Th, Ir.-Tur., 1, 3, 4, 7, 9, 11, 12, 13, 15, 16, 19, 22, 23, 24, 25, 28, 29, 31, 32, 34, 35, 36**
Ziziphora taurica M.Bieb. subsp. *taurica* **Th, Ir.-Tur., 1, 2, 8, 34**
Ziziphora tenuior L. **Th, Ir.-Tur., 1, 3, 7, 9, 12, 16, 22, 23, 24, 25, 35**
- Liliaceae**
Fritillaria persica L. **Cr (G), Ir.-Tur., 4, 17**
Gagea bohemica (Zauschn.) Schult. & Schult.f. **Cr (G), 1, 4, 17, 24, 31**
Gagea chlorantha (M.Bieb.) Schult. & Schult.f. **Cr (G), Ir.-Tur., 1, 7, 15, 16, 17, 19, 29**
Gagea chrysantha (Jan) Schult. & Schult.f. **Cr (G), Medit., 17**
Gagea fibrosa (Desf.) Schult. & Schult.f. **Cr (G), 1, 11, 15, 16, 17, 36**
Gagea glacialis K.Koch **Cr (G), Ir.-Tur., 17**
Gagea luteoides Stapf **Cr (G), 1, 13, 15, 17**
Gagea reticulata (Pall.) Schult. & Schult.f. **Cr (G), Ir.-Tur., 1, 7, 9, 11, 12, 15, 16, 17, 19, 22, 25, 28, 29, 32, 34, 35, 36**
Gagea taurica Steven **Cr (G), Ir.-Tur., 19**
Gagea villosa (M.Bieb.) Sweet var. *villosa* **Cr (G), Medit., 1, 17, 19**
Tulipa aleppensis Boiss. ex Regel **Cr (G), Ir.-Tur., 1, 17**
- Linaceae**
Linum catharticum L. **Th, Euro-Sib., 9**
Linum corymbulosum Rchb. **Th, Medit., 5, 10**

- Linum flavum* L. subsp. *flavum* **H, Euro-Sib., 5**
Linum mucronatum Bertol. subsp. *armenum* (Bordz.) P.H.Davis **Ch, Ir.-Tur., 1, 7**
Linum mucronatum Bertol. subsp. *mucronatum* **Ch, Ir.-Tur., 1, 3, 9, 11, 12, 15, 19, 22**
Linum mucronatum Bertol. subsp. *orientale* (Boiss. & Heldr.) P.H.Davis **Ch, 5, 12, 16, 36**
Linum nodiflorum L. **Th, Medit., 1, 5**
Linum peyronii Post **Th, Ir.-Tur., 1, 3, 32**
Linum pubescens Banks & Sol. subsp. *pubescens* **Th, E.Medit., 1, 5, 13**
Linum strictum L. var. *spicatum* (Pers.) Nyman **Th, 1, 3, 16**
Linum strictum L. var. *strictum* **Th, 36**
- Lythraceae**
Lythrum junceum Banks & Sol. **H, Medit., 4**
Lythrum salicaria L. **H, Euro-Sib., 16**
Punica granatum L. **Ph, 12, 16, 36**
- Malvaceae**
Alcea acaulis (Cav.) Alef. **H, Ir.-Tur., 1**
Alcea apterocarpa (Fenzl) Boiss. **H, Ir.-Tur., 9, 16**
Alcea calvertii (Boiss.) Boiss. **H, Ir.-Tur., 4, 24**
Alcea guestii Zohary **H, Ir.-Tur., 1, 7, 10, 19**
Alcea digitata (Boiss.) Alef. **H, Ir.-Tur., 5, 16, 22, 36**
Alcea excubita Iljin **H, Ir.-Tur., 22, 35**
Alcea hohenackeri (Boiss. & A.Huet) Boiss. **H, 3**
Alcea lavateriflora (DC.) Boiss. **H, 10**
Alcea striata (DC.) Alef. subsp. *striata* **H, 1, 4, 5, 7, 15, 16, 22, 24, 29, 32, 35**
Althaea armeniaca Ten. **H, 9**
Althaea cannabina L. **H, 3**
Althaea officinalis L. **H, 11, 13**
Malva neglecta Wallr. **Th, 1, 4, 5, 12, 15, 16, 24, 26, 31, 32, 36**
Malva nicaeensis All. **Th, 3, 22, 32**
Malva sylvestris L. **H, 16**
Malvella sherardiana (L.) Jaub. & Spach **H, 3, 5, 10, 15**
- Moraceae**
Ficus carica L. subsp. *carica* **Ph, 5, 10, 11, 12, 15, 16, 19, 36**
Ficus carica L. subsp. *rupestris* (Hausskn.) Browicz **Ph, Ir.-Tur., 1, 7, 9, 12, 13, 16, 22, 32, 35**
Morus alba L. **Ph, 10, 36**
- Nitrariaceae**
Peganum harmala L. **H, 1, 3, 5, 12, 15, 16, 26, 36**
- Oleaceae**
Olea europaea L. subsp. *europaea* **Ph, Medit., 1, 5, 12**
- Onagraceae**
Epilobium hirsutum L. **H, 1, 10, 16, 26**
Epilobium montanum L. **H, Euro-Sib., 4, 10, 24**
Epilobium parviflorum Schreb. **H, 16**
- Orchidaceae**
Himantoglossum comperianum (Steven) P.Delforge **Cr (G), Ir.-Tur., 1**
Ophrys ferrum-equinum Desf. **Cr (G), E.Medit., 16**
Ophrys umbilicata Desf. subsp. *khuzestanica* Renz & Taubenheim **Cr (G), Ir.-Tur., 1, 17, 36**
Orchis anatolica Boiss. **Cr (G), E.Medit., 1, 5, 12**
Orchis collina Banks & Sol. ex Russell **Cr (G), Medit., 17, 36**
Orchis coriophora L. **Cr (G), 1, 4, 12, 19, 24**
Orchis laxiflora Lam. subsp. *laxiflora* **Cr (G), Medit., 17**
Orchis palustris Jacq. subsp. *palustris* **Cr (G), 1, 17**
- Orobanchaceae**
Euphrasia pectinata Ten. **Th, Euro-Sib., 36**
Melampyrum arvense L. var. *arvense* **Th, Euro-Sib., 12, 22**
Orobanche aegyptiaca Pers. **Th, 1, 3, 4, 5, 11, 12, 16, 24**
Orobanche anatolica Reut. **Th, 16**
Orobanche crenata Forssk. **Th, 1**
Orobanche kurdica Boiss. & Hausskn. **Th, Ir.-Tur., 16**
Orobanche minor Sm. **Th, 16**
Orobanche mutelii F.W.Schultz **Th, 1, 4, 9, 24**

Orobanche nana (Reut.) Beck **Th, 3, 7, 22**

Parentucellia latifolia (L.) Caruel subsp. *flaviflora* (Boiss.) Hand.-Mazz. **Th, 1, 3, 4, 16, 22, 35**

Parentucellia latifolia (L.) Caruel subsp. *latifolia* **Th, Medit., 32**

Oxalidaceae

Oxalis corniculata L. **H, 1, 5, 10**

Oxalis pes-caprae L. **H, 5**

Papaveraceae

Corydalis erdelii Zucc. **Cr (G), 4, 23, 24, 31**

Corydalis oppositifolia DC. subsp. *oppositifolia* **Cr (G), End., 17**

Fumaria asepala Boiss. **Th, Ir.-Tur., 1, 5, 9, 11, 12, 15, 19, 22, 23, 24, 31, 32**

Fumaria densiflora DC. **Th, 3**

Fumaria kralikii Jord. **Th, Medit., 5**

Fumaria officinalis subsp. *cilicica* (Hausskn.) Lidén **Th, 1**

Fumaria officinalis L. subsp. *officinalis* **Th, 16, 36**

Fumaria parviflora Lam. **Th, 1, 3, 5, 26, 32**

Fumaria vaillantii Loisel. **Th, 5, 15**

Glaucium corniculatum (L.) Rudolph subsp. *corniculatum* **Th, 9**

Glaucium grandiflorum Boiss. & A.Huet subsp. *refractum* (Nábělek) Mory var. *refractum* **Th, Ir.-Tur., 7, 25**

Glaucium grandiflorum Boiss. & A.Huet subsp. *grandiflorum* var. *grandiflorum* **H, Ir.-Tur., 3, 5, 7, 9, 12, 15, 16, 19**

Hypecoum pseudograndiflorum Petrovic **Th, 3, 5, 13, 22, 32**

Hypecoum pendulum L. **Th, 1, 5, 9, 11, 12, 13, 15, 19, 26**

Hypecoum procumbens L. subsp. *procumbens* **Th, Medit., 9, 15**

Papaver arenarium M.Bieb. **Th, 9, 15**

Papaver argemone L. subsp. *argemone* **Th, 3, 5, 15, 16, 22, 24**

Papaver clavatum Boiss. & Hausskn. **Th, End., 1, 3, 5, 9, 11, 12, 16**

Papaver dubium L. subsp. *dubium* **Th, 16, 32, 34**

Papaver lacerum Popov **Th, 3**

Papaver fugax Poir. var. *fugax* **H, 4, 24**

Papaver glaucum Boiss. & Hausskn. **Th, Ir.-Tur., 1, 3, 5, 16, 22**

Papaver hybridum L. **Th, 3, 16, 31**

Papaver macrostomum Boiss. & A.Huet **Th, Ir.-Tur., 36**

Papaver rhoeas L. **Th, 3, 5, 7, 12, 16, 22, 24, 25, 31**

Papaver syriacum Boiss. & C.I.Blanche **Th, 5, 12, 16, 22**

Roemeria hybrida (L.) DC. subsp. *hybrida* **Th, 1, 3, 5, 7, 9, 11, 13, 15, 16, 22, 23, 24, 25, 26, 28, 31, 32, 36**

Phyllanthaceae

Andrachne aspera Spreng. **H, 22, 35**

Andrachne telephioides L. **H, 1, 3, 7, 22, 32, 34, 35, 36**

Plantaginaceae

Anarrhinum orientale Benth. **Ch, Ir.-Tur., 1, 5, 16, 22, 24, 35, 36**

Chaenorhinum calycinum (Banks & Sol.) P.H.Davis **Th, Ir.-Tur., 1**

Kickxia elatine (L.) Dumort. subsp. *crinita* (Mabille) Greuter **Th, Medit., 16**

Kickxia lanigera (Desf.) Hand.-Mazz. **Th, Medit., 1, 5**

Linaria armeniaca Chav. **Th, Ir.-Tur., 4, 24**

Linaria chalepensis (L.) Mill. var. *chalepensis* **Th, E.Medit., 4, 22, 24, 35, 36**

Linaria confertiflora Benth. **H, Ir.-Tur., End., 1, 4**

Linaria genistifolia (L.) Mill. subsp. *genistifolia* **H, Euro-Sib., 24**

Linaria genistifolia (L.) Mill. subsp. *linifolia* (Boiss.) P.H.Davis **H, 4**

Linaria genistifolia (L.) Mill. subsp. *praealta* (Boiss.) P.H.Davis **H, E.Medit., End., 4**

Linaria kurdica Boiss. & Hohen. subsp. *araratica* (Tzvelev) P.H.Davis **H, Ir.-Tur., 24**

Linaria simplex Desf. **Th, Medit., 23**

Plantago afra L. **Th, 3, 5, 10, 12**

Plantago atrata Hoppe **H, 16**

Plantago lanceolata L. **H, 4, 16, 26, 31, 36**

Plantago loeflingii L. **Th, 1, 3, 16, 22**

Plantago major L. subsp. *major* **H, 12**

Veronica anagallis-aquatica L. **H, 1, 3, 5, 10, 11, 12, 19, 32**

Veronica anagalloides Guss. subsp. *anagalloides* **Th, 5**

Veronica arvensis L. **Th, Euro-Sib., 1, 3**

Veronica balansae Stroh **Th, E.Medit., End., 1, 36**

- Veronica beccabunga* L. subsp. *beccabunga* **H, 13, 15**
Veronica bozakmanii M.A.Fisch. **Th, Ir.-Tur., 1, 4, 11, 22**
Veronica cymbalaria Bodard **Th, Medit., 3, 9, 10, 15, 19, 32**
Veronica debilis Freyn **Th, E.Medit., 1, 16**
Veronica hederifolia L. **Th, 15, 22, 35**
Veronica hispidula Boiss. & A.Huet subsp. *hispidula* **Th, Ir.-Tur., 3, 12**
Veronica orientalis Mill. subsp. *carduchorum* P.H.Davis ex M.A.Fisch. **H, Ir.-Tur., End., 1**
Veronica orientalis Mill. subsp. *nimrodi* (Stapf) M.A.Fisch. **H, Ir.-Tur., End., 36**
Veronica orientalis Mill. subsp. *orientalis* **H, 1, 4, 7, 9, 10, 15, 16, 24, 25, 29, 31**
Veronica persica Poir. **Th, 16, 36**
Veronica polita Fr. **Th, 3**
Veronica praecox All. **Th, 36**
Veronica reuterana Boiss. **Th, Ir.-Tur., 1, 9, 15, 16, 22, 29**
Veronica syriaca Roem. & Schult. **Th, E.Medit., 1, 3, 9, 12, 16, 19**
Veronica triphyllos L. **Th, 3**
- Platanaceae**
Platanus orientalis L. **Ph, 5**
- Plumbaginaceae**
Acantholimon acerosum (Willd.) Boiss. subsp. *acerosum* var. *acerosum* **Ch, Ir.-Tur., 4, 7, 24**
Acantholimon armenum Boiss. & A.Huet var. *armenum* **Ch, Ir.-Tur., 12**
Plumbago europaea L. **Ch, Euro-Sib., 15, 28**
- Poaceae**
Aegilops biuncialis Vis. **Th, 1, 3, 5, 7, 11, 13, 16**
Aegilops caudata L. **Th, E.Medit., 3, 16**
Aegilops columnaris Zhuk. **Th, Ir.-Tur., 1, 4, 23, 24**
Aegilops crassa Boiss. subsp. *crassa* **Th, Ir.-Tur., 1, 3, 16**
Aegilops cylindrica Host **Th, Ir.-Tur., 13**
Aegilops geniculata Roth **Th, Medit., 13**
Aegilops juvenalis (Thell.) Eig **Th, 20**
Aegilops kotschyi Boiss. **Th, Ir.-Tur., 25**
Aegilops neglecta Reg. ex Bertol. **Th, Medit., 1, 4, 5, 19, 22, 24, 31, 35**
Aegilops speltoides Tausch var. *ligustica* (Savign.) Fiori **Th, 1, 3, 12**
Aegilops speltoides Tausch var. *speltoides* **Th, 1, 3, 4**
Aegilops tauschii Coss. **Th, Ir.-Tur., 3**
Aegilops triuncialis L. subsp. *triuncialis* **Th, 1, 3, 4, 7, 9, 12, 15, 16, 19, 22, 24, 25, 28, 29, 31, 32, 34, 35**
Aegilops umbellulata Zhuk. **Th, Ir.-Tur., 1, 3, 5, 7, 11, 12, 16, 19, 25**
Aeluropus lagopoides (L.) Thwaites var. *lagopoides* **H, 26**
Alopecurus arundinaceus Poir. **H, Euro-Sib., 1**
Alopecurus myosuroides Huds. var. *myosuroides* **Th, Euro-Sib., 1, 5, 13, 23, 31**
Alopecurus utriculatus Sol. subsp. *utriculatus* **Th, Ir.-Tur., 3, 5**
Arrhenatherum kotschyi Boiss. **H, Ir.-Tur., 7, 13**
Arrhenatherum palaestinum Boiss. **H, E.Medit., 1, 10, 12, 19**
Arundo donax L. **H, 5, 16**
Avena barbata Link subsp. *barbata* **Th, Medit., 1, 3, 5, 11, 12, 16**
Avena eriantha Durieu **Th, 1, 3, 7, 13**
Avena sativa L. **Th, 3**
Avena sterilis L. subsp. *ludoviciana* (Durieu) Gillet & Magne **Th, 1, 3, 12, 16, 19**
Avena sterilis L. subsp. *sterilis* **Th, 1, 4, 7, 9, 11, 12, 13, 15, 19, 22, 23, 24, 25, 28, 29, 31, 32, 34, 35**
Avena wiestii Steud. **Th, 3**
Brachypodium distachyon (L.) P.Beauv. **Th, Medit., 1, 3, 11**
Briza humilis M.Bieb. **Th, 1, 5, 22, 23, 24, 31, 36**
Bromus danthoniae Trin. subsp. *danthoniae* **Th, 3, 13, 16, 32, 36**
Bromus gracillimus Bunge **Th, Ir.-Tur., 12**
Bromus japonicus Thunb. subsp. *japonicus* **Th, 1, 7, 9, 10, 11, 12, 13, 15, 16, 22, 23, 24, 25, 28, 29, 31, 32, 34, 35**
Bromus madritensis L. **Th, 3, 11, 16, 19**
Bromus pumilio (Trin.) P.M.Sm. **Th, 1, 3, 11, 12, 16**
Bromus rubens L. **Th, 13**
Bromus scoparius L. **Th, 1, 12, 13, 16**
Bromus squarrosus L. **Th, 3, 11, 12, 13, 16, 19**
Bromus sterilis L. **Th, 1, 7, 9, 11, 12, 13, 16, 19, 25**

- Bromus tectorum* L. **Th, 1, 3, 5, 10, 11, 12, 13, 16, 22, 23, 24, 26, 31, 34, 35**
Bromus tomentellus Boiss. subsp. *tomentellus* **H, Ir.-Tur., 16, 24**
Catabrosa aquatica (L.) P.Beauv. **H, 1, 5, 7, 10**
Catapodium rigidum (L.) C.E.Hubb. subsp. *rigidum* var. *majus* (C.Presl) M.Lainz **Th, 1, 5**
Catapodium rigidum (L.) C.E.Hubb. subsp. *rigidum* var. *rigidum* **Th, 1, 12, 19**
Chrysopogon gryllus (L.) Trin. subsp. *gryllus* **H, 5, 15, 16, 29**
Cornucopiae cucullatum L. **Th, E.Medit., 1, 3, 4**
Crithopsis delileana (Schult.) Roshev. **Th, Ir.-Tur., 1, 3, 12**
Cutandia memphitica (Spreng.) K.Richt. **Th, Ir.-Tur., 1**
Cynodon dactylon (L.) Pers. var. *dactylon* **H, 10, 16, 26, 31**
Cynodon dactylon (L.) Pers. var. *villosus* Regel **H, 5, 7, 13, 15, 25**
Cynosurus echinatus L. **Th, Medit., 13**
Cynosurus effusus Link **Th, Medit., 5, 10, 11, 15**
Dactylis glomerata L. subsp. *glomerata* **H, Euro-Sib., 10, 12, 19, 24, 31**
Dactylis glomerata L. subsp. *hispanica* (Roth) Nyman **H, 12**
Digitaria sanguinalis (L.) Scop. **Th, 5, 16**
Echinaria capitata (L.) Desf. **Th, 1, 3, 4, 5, 7, 10, 12, 13, 15, 16, 22, 24, 25, 28, 29, 31, 32, 34, 35, 36**
Echinochloa colona (L.) Link **Th, 5**
Echinochloa crus-galli (L.) P.Beauv. **Th, 4, 16, 24**
Echinochloa oryzoides (Ard.) R.M.Fritsch **Th, 5**
Elymus longearistatus (Boiss.) Tzvelev subsp. *sintenisii* Melderis **H, Ir.-Tur., End., 12**
Eremopyrum bonaepartis (Spreng.) Nevski subsp. *bonaepartis* **Th, Ir.-Tur., 1, 5, 7, 9, 11, 13, 16**
Eremopyrum distans (K.Koch) Nevski **Th, Ir.-Tur., 3**
Festuca callieri (Hack.) Markgr. subsp. *callieri* **H, 4, 7, 11, 12, 13, 16, 24, 25, 31**
Gastridium ventricosum (Gouan) Schinz & Thell. **Th, Medit., 5**
Gaudiniopsis macra (M.Bieb.) Eig subsp. *macra* **Th, Ir.-Tur., 1**
Glyceria notata Chevall. **H, 1**
Helictotrichon pratense (L.) Pilg. **H, Euro-Sib., 11**
Heterantherium piliferum (Banks & Sol.) Hochst. **Th, Ir.-Tur., 1, 12**
Holcus lanatus L. **H, Euro-Sib., 16**
Hordeum bulbosum L. **H, 1, 4, 7, 9, 10, 11, 12, 13, 15, 16, 17, 19, 22, 23, 24, 25, 28, 29, 31, 32, 34, 35**
Hordeum geniculatum All. **Th, Euro-Sib., 3, 11, 13**
Hordeum marinum Huds. **H, 5, 7, 16**
Hordeum murinum L. subsp. *glaucum* (Steud.) Tzvelev **Th, 1, 3, 5, 7, 11, 12, 13, 15, 19, 22, 25, 26**
Hordeum murinum L. subsp. *leporinum* (Link) Arcang. **Th, 4, 7, 9, 15, 24, 31**
Hordeum murinum L. subsp. *murinum* **Th, 10, 15, 32**
Hordeum spontaneum K.Koch **Th, Ir.-Tur., 1, 3, 5, 7, 9, 10, 13, 16, 19, 22, 25, 32**
Imperata cylindrica (L.) Rausch. **H, 1, 5, 7, 16**
Koeleria cristata (L.) Pers. **H, 1, 2, 24**
Lolium subulatum (Banks & Sol.) Eig **Th, Ir.-Tur., 1, 3**
Lolium multiflorum Lam. **Th, 13**
Lolium persicum Boiss. & Hohen. **Th, Ir.-Tur., 1, 7, 10, 13**
Lolium rigidum Gaudin var. *rigidum* **Th, 1, 3, 5, 7, 10, 11, 13, 16**
Lolium subulatum Vis. **Th, E.Medit., 11, 19**
Lolium temulentum L. var. *temulentum* **Th, 5**
Melica ciliata L. subsp. *ciliata* **H, 9**
Melica persica Kunth subsp. *inaequiglumis* (Boiss.) Bor **H, 4, 5, 16, 22, 24, 31, 32**
Melica persica Kunth subsp. *persica* **H, 7, 25**
Oryza rufipogon Griff. **Th, 1**
Oryzopsis miliacea (L.) Asch. & Schweinf. subsp. *thomasi* (Duby) K.Richt. **H, 5, 15**
Pennisetum orientale Rich. **H, Ir.-Tur., 1, 28**
Phalaris brachystachys Link **Th, Medit., 5**
Phalaris paradoxa L. **Th, Medit., 1, 3, 4, 5, 10, 15, 24**
Phleum alpinum L. **H, Euro-Sib., 5**
Phleum boissieri Bornm. **Th, Ir.-Tur., 5, 16**
Phleum exaratum Griseb. subsp. *exaratum* **Th, 1, 5, 7, 9, 11, 12, 15, 16, 19, 25, 26, 36**
Phleum montanum K.Koch subsp. *montanum* **H, 19**
Phleum phleoides (L.) H.Karst. **H, Euro-Sib., 13**
Phleum pratense L. **H, Euro-Sib., 9**
Phragmites australis (Cav.) Steud. **H, Euro-Sib., 1, 5, 7, 10, 11, 12, 16, 31**

- Poa angustifolia* L. **H, 10, 12, 19**
Poa annua L. **Th, 5, 10**
Poa bulbosa L. **H, 1, 3, 4, 5, 7, 9, 10, 12, 15, 16, 17, 22, 23, 25, 28, 29, 31, 32, 34, 35, 36**
Poa compressa L. **H, 10**
Poa nemoralis L. **H, 10**
Poa timoleontis Heldr. ex Boiss. **H, E.Medit., 3, 10**
Polypogon maritimus Willd. subsp. *maritimus* **Th, Euro-Sib., 26**
Polypogon monspeliensis (L.) Desf. **Th, 3, 16, 26**
Psilurus incurvus (Gouan) Schinz & Thell. **Th, 1, 3**
Rostraria berythea (Boiss. & C.I.Blanche) Holub **Th, E.Medit., 1, 3, 10**
Rostraria cristata (L.) Tzvelev var. *glabriflora* (Trautv.) Dogan **Th, 3**
Saccharum ravennae (L.) L. **H, 5, 36**
Saccharum strictum (Host) Spreng. **H, 1, 5**
Secale cereale L. var. *cerale* **Th, 12**
Secale sylvestre Host **Th, 13**
Sclerochloa dura (L.) P.Beauv. **Th, Euro-Sib., 1, 3, 5**
Setaria glauca (L.) P.Beauv. **Th, 26**
Setaria verticillata (L.) P.Beauv. var. *verticillata* **Th, 5**
Setaria viridis (L.) P.Beauv. **Th, 5, 10**
Sorghum bicolor (L.) Moench **Th, 1, 5**
Sorghum halepense (L.) Pers. var. *halepense* **H, 3, 36**
Sorghum halepense (L.) Pers. var. *muticum* (Hack.) Grossh. **H, 5, 16**
Stipa holosericea Trin. **H, Ir.-Tur., 1, 3, 7, 11, 12, 13, 16, 24, 25**
Taeniatherum caput-medusae (L.) Nevski subsp. *crinitum* (Schreb.) Melderis **Th, Ir.-Tur., 1, 3, 4, 11, 13, 22, 24, 28, 31, 32, 34**
Triticum aestivum L. **Th, 1, 3, 5, 10, 15, 16**
Triticum boeoticum Boiss. **Th, 1**
Triticum dicoccoides (Körn. ex Asch. & Graebn.) Schweinf. **Th, Ir.-Tur., 1, 4, 9, 11, 15**
Triticum dicoccon (Schrank) Schübl. **Th, 3**
Ventenata subenervis Boiss. & Balansa subsp. *subenervis* **Th, E.Medit., End., 1, 24**
Vulpia ciliata Dumort. subsp. *ciliata* **Th, 1, 3, 13**
Vulpia myuros (L.) C.C.Gmel. **Th, 1, 3, 10**
Vulpia persica (Boiss. & Buhse) V.I.Krecz. & Bobrov **Th, Ir.-Tur., 1, 3, 11, 12, 13, 16, 19**
Vulpia unilateralis (L.) Stace **Th, 1, 3**
- Polygalaceae**
Polygala supina Schreb. **H, 15**
- Polygonaceae**
Polygonum arenastrum Boreau **Th, 3, 4**
Polygonum aviculare L. **Th, 3, 4, 5, 26, 36**
Polygonum cognatum Meisn. **H, 3, 5, 7**
Polygonum equisetiforme Sm. **H, 15, 26**
Polygonum hydropiper L. **Th, 19**
Polygonum lapathifolium L. **Th, 5, 11, 19**
Polygonum patulum M.Bieb. subsp. *patulum* **Th, 3**
Polygonum patulum M.Bieb subsp. *pulchellum* (Lois.) Leblebici **Th, 5**
Polygonum salicifolium Brouus. ex Willd. **H, 4, 16, 24, 26**
Polygonum setosum Jacq. **H, Ir.-Tur., 36**
Rumex acetosella L. **H, 4, 24, 31**
Rumex angustifolius Campd. subsp. *angustifolius* **H, Ir.-Tur., 5**
Rumex bucephalophorus L. subsp. *bucephalophorus* **Th, Medit., 13**
Rumex chalepensis Mill. **H, 9**
Rumex conglomeratus Murray **H, 4, 24, 31**
Rumex crispus L. **H, 16, 22**
Rumex dentatus L. subsp. *halacsyi* (Rech.) Rech.f. **Th, 15, 16**
Rumex patientia L. **H, 4, 16, 24, 31**
Rumex pulcher L. subsp. *pulcher* **H, 3**
Rumex sanguineus L. **H, 5, 12**
Rumex scutatus L. **H, 7**
- Polypodiaceae**
Polypodium vulgare L. subsp. *vulgare* **H, 10**

Portulacaceae

Portulaca oleracea L. **Th, 5, 16, 22**

Primulaceae

Anagallis arvensis L. var. *arvensis* **Th, 12, 16, 31**

Anagallis arvensis L. var. *caerulea* (L.) Gouan **Th, 3, 5, 16**

Anagallis arvensis L. var. *parviflora* (Hoffmanns. & Link) Ces., Pass. & Gibelli **Th, Medit., 12**

Anagallis foemina Mill. **Th, Medit., 12**

Androsace maxima L. **Th, 3, 7, 15, 16, 22, 24, 25, 28, 29, 32, 34, 35, 36**

Asterolinon linum-stellatum (L.) Duby **Th, Medit., 1, 3**

Lysimachia dubia Aiton **Th, E.Medit., 1**

Pteridaceae

Adiantum capillus-veneris L. **Pt, 1, 5, 10, 16**

Ranunculaceae

Adonis aestivalis L. subsp. *aestivalis* **Th, 1, 4, 7, 10, 11, 13, 25, 26**

Adonis aestivalis L. subsp. *parviflora* (DC.) N.Busch **Th, 3**

Adonis aleppica Boiss. **Th, Ir.-Tur., 1, 3, 4, 32**

Adonis annua L. **Th, Medit., 1, 5, 10, 11, 19**

Adonis dentata Delile **Th, 1, 3, 7, 12, 22, 26, 28**

Adonis eriocalycina Boiss. **Th, Ir.-Tur., 32, 36**

Adonis flammea Jacq. **Th, 1, 5, 9, 12, 15, 16, 36**

Adonis microcarpa DC. **Th, 1, 3, 5, 11, 16**

Anemone blanda Schott & Kotschy **Cr (G), 3**

Anemone coronaria L. **Cr (G), Medit., 12, 13, 15, 16, 17, 22, 28, 29, 31, 32, 35**

Ceratocephala falcata (L.) Pers. **Th, 4, 5, 9, 12, 15, 16, 23, 24, 26, 31, 32, 34, 36**

Ceratocephala testiculata (Crantz) Roth **Th, 3, 4, 9, 15, 16, 24**

Clematis cirrhosa L. **Ph, Medit., 5**

Consolida axilliflora (DC.) Schrödinger **Th, 1, 3**

Consolida coelesyriaca Mouterde **Th, Ir.-Tur., 1, 36**

Consolida glandulosa (Boiss. & A.Huet) Bornm. **Th, Ir.-Tur., End., 11**

Consolida hellespontica (Boiss.) Chater **Th, 15**

Consolida persica (Boiss.) Schrödinger **Th, 6**

Consolida raveyi (Boiss.) Schrödinger **Th, Ir.-Tur., End., 3**

Consolida scleroclada (Boiss.) Schrödinger var. *rigida* (Freyn & Sint.) P.H.Davis **Th, 6**

Consolida scleroclada (Boiss.) Schrödinger var. *scleroclada* **Th, 1, 3**

Delphinium kurdicum Boiss. & Hohen. **H, Ir.-Tur., 22, 29, 35**

Delphinium macrostachyum Boiss. ex Huth **H, Ir.-Tur., 4, 9, 15, 24**

Delphinium peregrinum L. **Th, 5, 15, 16, 36**

Nigella arvensis L. var. *caudata* Boiss. **Th, 1, 3, 7, 16, 25, 29**

Nigella orientalis L. **Th, 1**

Nigella unguicularis (Poir.) Spenn. **Th, 24, 31**

Ranunculus argyreus Boiss. **H, 1, 3, 19**

Ranunculus arvensis L. **Th, 1, 4, 5, 7, 9, 11, 13, 15, 22, 23, 24, 31, 32**

Ranunculus asiaticus L. **H, 1, 3, 10, 12, 16, 17, 19, 22, 32, 34**

Ranunculus chius DC. **Th, 5**

Ranunculus constantinopolitanus (DC.) d'Urv. **H, 9**

Ranunculus cornutus DC. **Th, 3, 5, 16**

Ranunculus cuneatus Boiss. **H, 4, 22, 24, 31, 32**

Ranunculus damascenus Boiss. & Gaill. **H, Ir.-Tur., 1, 11, 16**

Ranunculus ficaria L. subsp. *ficariiformis* Rouy & Foucaud **H, 16**

Ranunculus illyricus L. subsp. *illyricus*, **H, 1, 4, 11, 19, 24**

Ranunculus kochii Ledeb. **H, Ir.-Tur., 4, 17, 24**

Ranunculus lateriflorus DC. **Th, 1**

Ranunculus macrorhynchus Boiss. subsp. *trigonocarpus* (Boiss.) P.H.Davis **H, Ir.-Tur., 1, 4, 24**

Ranunculus millefolius Banks & Sol. subsp. *millefolius* **H, 1, 3, 5, 11, 16, 19**

Ranunculus muricatus L. **Th, 5**

Ranunculus neapolitanus Ten. **H, 1, 9, 12, 15, 16**

Ranunculus repens L. **H, 36**

Ranunculus sericeus Banks & Sol. **H, Ir.-Tur., 1, 9, 15, 24**

Ranunculus sphaerospermus Boiss. & C.I.Blanche **Cr (He), 1**

Ranunculus trichophyllus Chaix **Cr (He), 3, 11, 16, 19**

Ranunculus unguis-cati P.H.Davis **H, End., 12**

Thalictrum flavum L. **H, 12**

Resedaceae

Reseda alba L. subsp. *alba* **Th, 16**

Reseda lutea L. var. *lutea* **Th, 3, 5, 7, 9, 10, 11, 12, 15, 16, 19, 29, 32**

Reseda odorata L. **H, 5**

Rhamnaceae

Paliurus spina-christi Mill. **Ph, 5, 19**

Rhamnus punctata Boiss. subsp. *punctata* **Ph, E.Medit., 5, 16**

Rosaceae

Amygdalus arabica Olivier **Ph, Ir.-Tur., 1, 5, 12, 15, 16, 19, 36**

Amygdalus communis L. **Ph, 9, 12, 19**

Amygdalus lycioides Spach var. *lycioides* **Ph, 1, 9, 12, 13, 15, 16, 36**

Amygdalus orientalis Mill. **Ph, Ir.-Tur., 5, 19**

Cerasus mahaleb (L.) Mill. var. *mahaleb* **Ph, 9**

Cerasus microcarpa (C.A.Mey.) Boiss. subsp. *tortuosa* (Boiss. & Hausskn.) Browicz **Ph, Ir.-Tur., 1, 4, 5, 22, 23, 32, 35**

Cotoneaster nummularius Fisch. & C.A.Mey. **Ph, 4, 23, 24**

Crataegus azarolus L. var. *azarolus* **Ph, 4, 7, 9, 13, 16, 22, 23, 35**

Crataegus monogyna Jacq. var. *monogyna* **Ph, 1, 5, 9, 12, 13, 15, 16, 19, 23, 24, 36**

Crataegus orientalis M.Bieb. subsp. *orientalis* **Ph, 7, 24**

Crataegus orientalis M.Bieb. subsp. *szovitsii* (Pojark.) K.I.Chr. **Ph, Ir.-Tur., 5**

Geum urbanum L. **H, Euro-Sib., 5, 10**

Potentilla recta L. **H, 4, 24, 31**

Potentilla reptans L. **H, 5, 10, 16**

Potentilla speciosa Willd. **H, 12**

Pyracantha coccinea M.Roem. **Ph, 12**

Pyrus syriaca Boiss. var. *syriaca* **Ph, 4**

Rosa canina L. **Ph, 4, 9, 10, 23, 24, 32**

Rosa gallica L. **Ph, 12**

Rosa vanheuckeriana Crép. var. *vanheuckeriana* **Ph, Ir.-Tur., 24**

Rosa phoenicia Boiss. **Ph, E.Medit., 5, 12**

Rosa pulverulenta M.Bieb. **Ph, 5**

Rubus sanctus Schreb. **Ph, 5, 7, 12, 16, 19, 24**

Sanguisorba minor Scop. subsp. *balearica* (Nyman) Muñoz Garm. & C.Navarro **H, 3, 5**

Sanguisorba minor Scop. subsp. *lasiocarpa* (Boiss. & Hausskn.) Nordborg **H, 1, 3, 11, 13, 16, 19, 22, 24, 31**

Sanguisorba minor Scop. subsp. *minor* **H, 7, 25**

Sanguisorba officinalis L. **H, 36**

Sanguisorba verrucosa (G.Don) Ces. **H, 1, 4, 5, 9, 12, 15, 19, 22, 29, 32, 34, 35**

Rubiaceae

Asperula arvensis L. **Th, Medit., 26**

Asperula orientalis Boiss. & Hohen. **Th, Ir.-Tur., 1, 3, 7, 9, 12, 15, 16, 22, 23, 24, 31, 32, 36**

Asperula tenella Degen **H, 36**

Callipeltis cucullaria (L.) DC. **Th, Ir.-Tur., 1, 3, 7, 9, 15, 22, 23, 24, 28, 29, 31, 32, 35**

Crucianella exasperata Fisch. & C.A.Mey. **Th, Ir.-Tur., 7, 24, 25**

Cruciata articulata (L.) Ehrend. **Th, Ir.-Tur., 1, 5, 12, 15**

Cruciata taurica (Willd.) Ehrend. **Ch, Ir.-Tur., 1, 4, 7, 9, 15, 16, 24, 25, 28, 29, 31, 32, 36**

Galium aparine L. **Th, 7, 9, 10, 16, 22, 24, 31**

Galium bracteatum Boiss. **Th, Ir.-Tur., 1, 9, 15, 29**

Galium canum DC. subsp. *canum* **Ch, E.Medit., 1, 7, 12, 16**

Galium canum DC. subsp. *ovatum* Ehrend. **Ch, E.Medit., 1, 12, 15, 19**

Galium cappadocicum Boiss. **H, End., 15**

Galium cassium Boiss. **Th, E.Medit., 3, 9, 15, 16**

Galium consanguineum Boiss. **H, Ir.-Tur., 4, 23**

Galium haussknechtii Ehrend. **Th, Ir.-Tur., 4**

Galium hierosolymitanum L. **Th, E.Medit., 1**

Galium mite Boiss. & Hohen. **Ch, Ir.-Tur., 1, 10**

Galium murale (L.) All. **Th, Medit., 1**

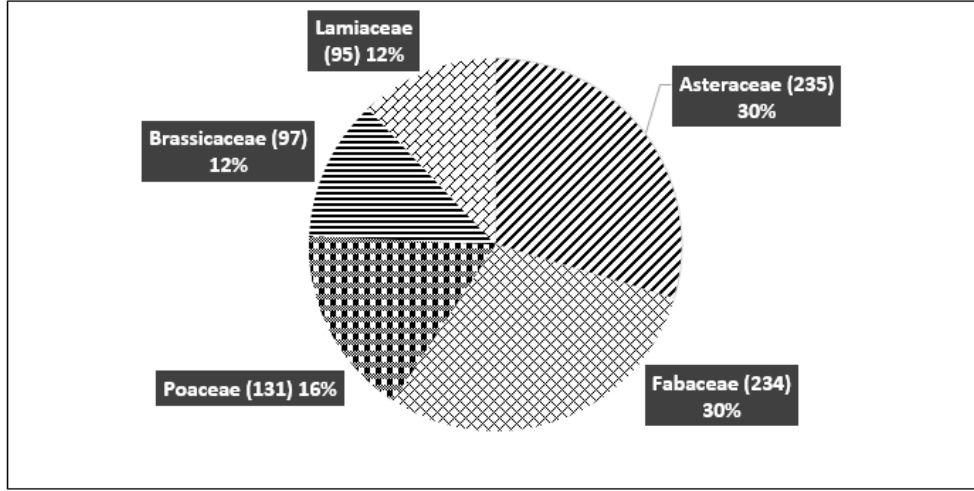
Galium nigricans Boiss. **Th, Ir.-Tur., 1, 5**

Galium penicillatum Boiss. **Th, E.Medit., 1**

- Galium scabrifolium* (Boiss.) Hausskn. **H, E.Medit., End., 13**
Galium scopulorum Schönb.-Tem. **H, Ir.-Tur., End., 1**
Galium setaceum Lam. **Th, 1, 3**
Galium spurium L. subsp. *spurium* **Th, Euro-Sib., 16, 36**
Galium tenuissimum M.Bieb. **Th, 23, 24, 31**
Galium tricornerutum Dandy **Th, Medit., 1, 5, 7, 12, 16, 22, 23, 32, 35**
Galium verticillatum Danthoine ex Lam. **Th, Medit., 3**
Galium verum L. subsp. *verum* **H, Euro-Sib., 1, 5, 11, 15**
Mericarpaea ciliata (Banks & Sol.) Eig **Th, 1, 2, 3**
Plocama calabrica (L.f.) M.Backlund & Thulin **Ch, Medit., 5**
Rubia tenuifolia d'Urv. subsp. *doniittii* (Griseb.) Ehrend. & Schönb.-Tem. **Ph, E.Medit., 1, 5**
Rubia tinctorum L. **H, Ir.-Tur., 5**
Sherardia arvensis L. **Th, Medit., 1, 3, 12, 36**
Theligonum cynocrambe L. **Th, 3**
Valantia hispida L. **Th, Medit., 1, 3, 5**
- Rutaceae**
- Haplophyllum myrtifolium* Boiss. **H, Ir.-Tur., End., 5**
Haplophyllum pilostylum Spach **H, Ir.-Tur., 1**
Haplophyllum telephioides Boiss. **H, Ir.-Tur., End., 36**
Haplophyllum tuberculatum (Forssk.) A.Juss. **H, 1**
Ruta buxbaumii Poir. **H, 3, 4, 5, 7**
Ruta chalepensis L. **Ch, 5**
Ruta thesioides Fisch. ex DC. **H, 22, 35**
- Salicaceae**
- Populus euphratica* Olivier **Ph, 1, 5**
Salix acmophylla Boiss. **Ph, Ir.-Tur., 1, 9, 12**
Salix alba L. subsp. *alba* **Ph, Euro-Sib., 1, 5**
- Santalaceae**
- Chrysothesium stelleroides* (Jaub. & Spach.) Hendrych **H, Ir.-Tur., End., 36**
Osyris alba L. **Ph, Medit., 5**
Thesium humile Vahl **Th, Medit., 5**
Thesium macranthum Fenzl **H, Ir.-Tur., 1, 25**
Thesium procumbens C.A.Mey. **H, 36**
- Scrophulariaceae**
- Scrophularia canina* L. subsp. *bicolor* (Sm.) Greuter **H, E.Medit., 1, 9, 11, 13, 19, 36**
Scrophularia libanotica Boiss. subsp. *armena* R.R.Mill. **H, Ir.-Tur., End., 1, 4, 24**
Scrophularia libanotica Boiss. subsp. *libanotica* var. *libanotica* **H, E.Medit., 22, 28, 31, 35**
Scrophularia mesopotamica Boiss. **H, Ir.-Tur., End., 1, 4, 5, 7, 15, 24, 29**
Scrophularia peyronii Post **Ch, E.Medit., 1, 3**
Scrophularia scariosa Boiss. **H, Ir.-Tur., 5**
Scrophularia striata Boiss. **Ch, Ir.-Tur., 1, 5**
Scrophularia xanthoglossa Boiss. var. *decipiens* (Boiss. & Kotsch.) Boiss. **H, Ir.-Tur., 1, 12**
Scrophularia xylorrhiza Boiss. & Hausskn. **H, Ir.-Tur., 1, 15, 28, 32**
Verbascum agrimoniifolium (C.Koch) Hub.-Mor. subsp. *agrimoniifolium* **H, Ir.-Tur., 1, 16, 36**
Verbascum alepense Benth. **H, Ir.-Tur., 1, 3, 5, 16, 36**
Verbascum anastasii Nábělek **H, Ir.-Tur., End., 3**
Verbascum diversifolium Hochst. **H, Ir.-Tur., End., 1, 3, 5**
Verbascum galilaeum Boiss. **H, E.Medit., 5**
Verbascum geminiflorum Hochst. **H, Ir.-Tur., 1, 3, 4, 19**
Verbascum glomeratum Boiss. **H, Ir.-Tur., 3**
Verbascum kotschyi Boiss. & Hohen. **H, Ir.-Tur., 1, 4, 5, 7, 13, 15, 16, 19, 22, 28, 32, 34, 35**
Verbascum laetum Boiss. & Hausskn. **H, Ir.-Tur., 1**
Verbascum lasianthum Benth. **H, 4, 23, 24, 31**
Verbascum orientale (L.) All. subsp. *orientale* **Th, E.Medit., 1, 5, 9, 11, 15**
Verbascum sinuatum L. subsp. *sinuatum* var. *adenosepalum* Murb. **H, E.Medit., 5**
Verbascum stepporum Hub.-Mor. **H, Ir.-Tur., End., 1, 3, 19**
Verbascum tenue Murb. **H, Ir.-Tur., End., 1, 5, 7, 12, 16, 25, 31**
Verbascum tripolitanum Boiss. **H, E.Medit., 3**
- Solanaceae**
- Datura stramonium* L. **Th, 4, 5, 16**

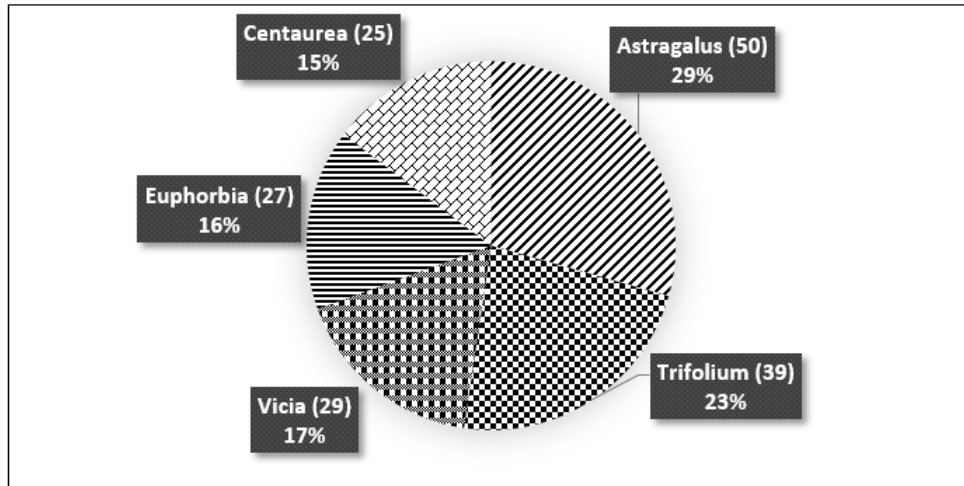
- Hyoscyamus albus* L. **Th, Medit., 5, 10**
Hyoscyamus aureus L. **H, E.Medit., 1, 10, 32**
Hyoscyamus niger L. **H, 1, 9, 10, 12, 15**
Hyoscyamus reticulatus L. **H, Ir.-Tur., 1, 3, 10, 11, 16, 22**
Lycium anatolicum A.Baytop & R.R.Mill **Ph, Ir.-Tur., End., 1, 5, 10, 12**
Lycium depressum Stocks **Ph, Ir.-Tur., 1, 5, 10**
Lycium shawii Roem. & Schweinf. var. *leptophyllum* (Dunal) Täckh. & Boulos **Ph, Ir.-Tur., 5**
Physalis alkekengi L. **H, 15**
Physalis angulata L. **Th, 5**
Physalis philadelphica Lam. **Th, 5**
Solanum alatum Moench **Th, 5, 10**
Solanum americanum Mill. **Th, 5, 15, 16, 26**
- Tamaricaceae**
Tamarix smyrnensis Bunge **Ph, 4, 5, 10, 11, 12, 16, 31**
Tamarix tetrandra M.Bieb. **Ph, 5**
- Typhaceae**
Typha domingensis (Pers.) Steud. **Cr (He), 3, 5, 16, 31**
Typha lugdunensis P.Chabert **Cr (He), Euro-Sib., 5**
- Thymelaeaceae**
Thymelaea gussonei Boreau **Th, Medit., 1, 3**
Thymelaea mesopotamica (C.Jeffrey) B.Peterson **Th, Ir.-Tur., 1**
Thymelaea passerina (L.) Coss. & Germ. **Th, 5**
- Urticaceae**
Parietaria judaica L. **H, 1, 3, 5, 15, 16, 24, 31**
Parietaria lusitanica L. **Th, Medit., 5, 32**
Parietaria officinalis L. **H, Euro-Sib., 7, 22**
Urtica dioica L. subsp. *dioica* **H, Euro-Sib., 3, 4, 5, 10, 15, 16, 24, 31, 36**
Urtica pilulifera L. **Th, Medit., 3, 5, 22, 32**
Urtica urens L. **Th, 5**
- Verbenaceae**
Phyla canescens (Kunth) Greene **H, 1**
Phyla nodiflora (L.) Greene **H, 16**
Verbena officinalis L. var. *officinalis* **H, 1, 5, 12, 16, 36**
Verbena supina L. **Th, 1, 3, 5**
- Violaceae**
Viola alba Besser subsp. *dehnhardtii* (Ten.) W.Becker **H, 3**
Viola arvensis Murray **Th, 36**
Viola modesta Fenzl **Th, 1, 4, 9, 10, 15, 24, 31, 32**
Viola parvula Tineo **Th, 4**
Viola pentadactyla Fenzl **Th, Ir.-Tur., 3**
- Vitaceae**
Vitis vinifera L. **Ph, 12, 15, 19, 36**
- Xanthorrhoeaceae**
Asphodeline brevicaulis (Bertol.) J.Gay ex Baker subsp. *brevicaulis* **Cr (G), E.Medit., 1, 3, 15, 17, 32, 34**
Asphodeline damascena (Boiss.) Baker subsp. *gigantea* Tuzlaci **Cr (G), Ir.-Tur., End., 1, 17, 22, 35**
Asphodelus aestivus Brot. **Cr (G), Medit., 1, 5, 13, 15, 16, 17, 19**
Eremurus spectabilis M.Bieb. **Cr (G), Ir.-Tur., 4, 17, 24**
- Zygophyllaceae**
Fagonia olivieri DC. **Ch, Ir.-Tur., 12**
Tribulus terrestris L. **Th, 3, 5, 16, 22, 31, 36**
Zygophyllum fabago L. **H, Ir.-Tur., 5, 10, 12**

Yapılan tarama sonucunda tespit edilen taksonların ait oldukları familyalara bakıldığında ilk beşi sırasıyla Asteraceae, Fabaceae, Poaceae, Brassicaceae ve Lamiaceae oluşturmaktadır (Şekil 2).



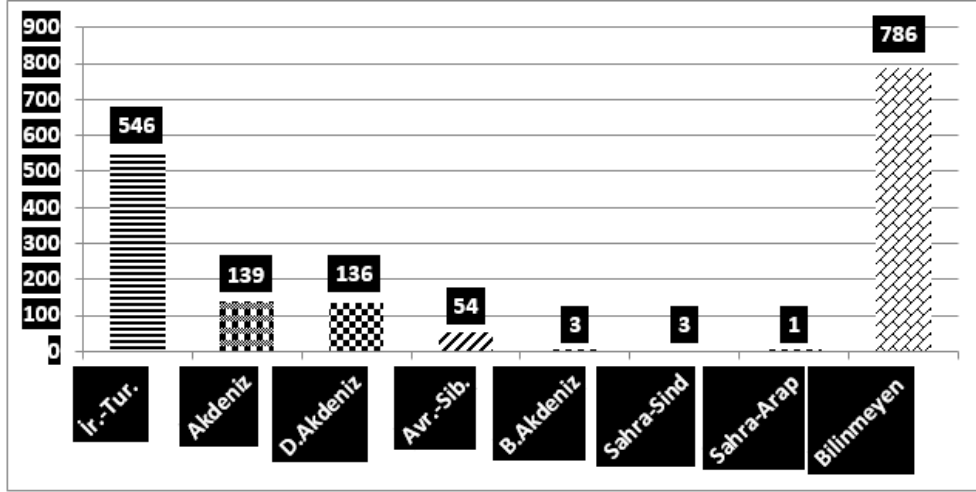
Şekil 2. Şanlıurfa florasında takson sayısına göre ilk beş familya

Çalışma kapsamında tespit edilen cinslerden ilk beş sırayı alan taksonlar ise *Astragalus* L., *Trifolium* L., *Euphorbia* L., *Centaurea* L. ve *Vicia* L.'dir (Şekil 3).



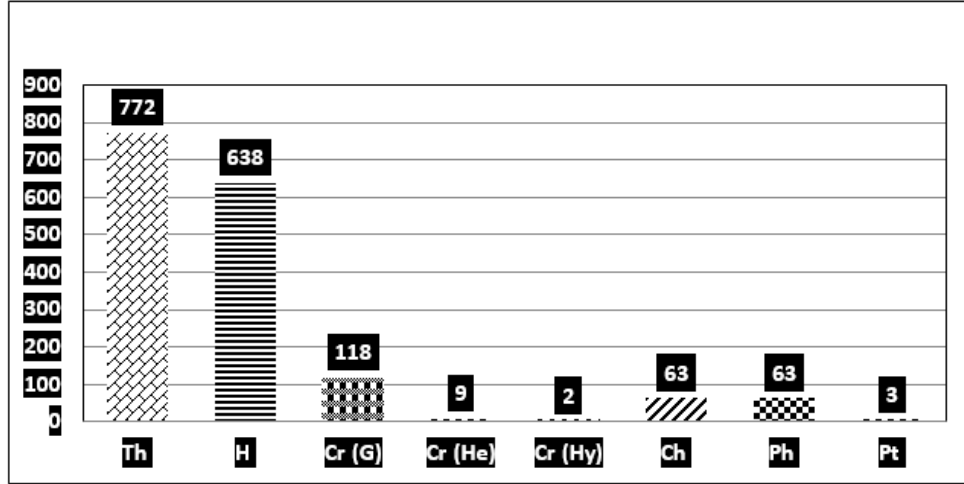
Şekil 3. Şanlıurfa florasında takson sayısına göre ilk beş cins

Tespit edilen taksonların korolojilerine bakıldığında İran-Turan, Akdeniz, Doğu Akdeniz ve Avrupa-Sibirya elementleri şeklinde bir sıralama ortaya çıkmaktadır. Bununla beraber Türkiye coğrafyasında yayılış alanı olmayan ancak Şanlıurfa florasında tespit edilen bazı taksonların Sahra-Sind, Sahra-Arap ile Batı Akdeniz elementi olduğu görülmektedir (Şekil 4).



Şekil 4. Şanlıurfa florasındaki taksonların fitocoğrafik bölgelere dağılımı

Tespit edilen taksonların hayat formları Raunkiær [38]'e göre değerlendirilmiş olup, terofit (Th), hemikriptofit (H), kriptofit (Cr-G, Cr-He, Cr-Hy), kamefit (Ch) ve fanerofit (Ph) şeklinde bir sıralama oluşmuştur. Ayrıca bu taksonlardan 3 tanesi eğrelti (Pt)'dir (Şekil 5).



Şekil 5. Şanlıurfa florasındaki taksonların Raunkiær [38] hayat formları

4. Tartışma ve Sonuç

Bu çalışma ile Şanlıurfa ili sınırları içinde 2000'li yıllarından itibaren giderek artan bir şekilde devam eden botanik çalışmaları (flora, vejetasyon, yeni kayıt) taranarak Şanlıurfa florasını oluşturan taksonlara ait kapsamlı bir liste elde edilmiştir. Bu çalışma kapsamında tespit edilen taksonların korolojileri, hayat formu ve endemizm açısından değerlendirilmeleri yapılmıştır.

Şanlıurfa ilinde Türkiye Florası [1a, 1b, 1c] adlı esere göre 688 takson kayıtlı iken bilimsel yayınların taranması neticesinde bu sayının 1668 olduğu görülmüştür. Yine bu esere [1a, 1b, 1c] göre 47 takson endemik olarak kayıtlı iken bu sayının da taranan bilimsel çalışmalara göre 107 olduğu tespit edilmiştir.

Çalışma kapsamında tespit edilen taksonların ait oldukları familya bakımından sıralamasına bakıldığında ilk beş sırayı Asteraceae, Fabaceae, Poaceae, Brassicaceae ve Lamiaceae familyalarının oluşturduğu tespit edilmiştir. Genel olarak Türkiye Florası [1a, 1b, 1c]'na göre takson sayısı yönünden en zengin familyaların ilk beşi Asteraceae, Fabaceae, Lamiaceae, Brassicaceae ve Poaceae şeklindedir. Burada Poaceae familyasının üçüncü sırada olmasının nedeni olarak çalışma alanı olan Şanlıurfa'nın baklagillerin ve buğdaygillerin gen merkezi olarak kabul edilen bir bölgede yer alması gösterilebilir.

Tespit edilen taksonlar cins bakımından değerlendirildiğinde ilk beş sırayı *Astragalus* L., *Trifolium* L., *Vicia* L., *Euphorbia* L. ve *Centaurea* L. almaktadır. Dikkat edilirse ilk üç sıradaki taksonlar

Fabaceae familyasından olup, bu sonuç yörenin baklagillerin gen merkezi sınırları içerisinde olduğu görüşünü destekler niteliktedir.

Şanlıurfa ili İran-Turan fitocoğrafik bölgesinde yer almaktadır. Tespit edilen taksonların korolojilerine baktığımızda İran-Turan, Akdeniz, Doğu Akdeniz ve Avrupa-Sibiryaya elementleri şeklinde bir sıralama göze çarpmaktadır. Burada İran-Turan elementlerinin ilk sırada oluşu bu görüşü doğrular niteliktedir.

Tespit edilen taksonları hayat formları bakımından bir değerlendirilmesi yapıldığında terofitler hariç hemikriptofitlerin, kriptomfitlerin ve kamefitlerin sayıca öne çıktığı görülmektedir. İran-Turan fitocoğrafik bölgesinde fizyonomiye egemen olan hayat formları hemikriptofit ve kamefitlerdir. Bu durum taksonların hayat formları bakımından da çalışma alanının İran-Turan fitocoğrafik bölgesinin içinde olduğunun diğer bir kanıtı olarak dikkat çekmektedir.

Türkiye'deki toplam endemik takson sayısı 3649'dur ve genel endemizm oranı % 31.8'dir [40]. Bu çalışmada ise tespit edilen endemik takson sayısı 107 olup, endemizm oranı % 6'dır. Bu sonuca göre Şanlıurfa ilindeki endemizm oranı oldukça düşüktür. Bunun başlıca nedenler arasında Şanlıurfa topografik yapısının (özellikle güney kesimleri) sade oluşu ilk sıradadır. Bunun yanında ilin komşu bir ülke ile sınırı olması da endemizm oranının düşük çıkmasında diğer önemli bir etkidir.

Şanlıurfa florasında tespit edilen 23 takson Türkiye Bitkiler Listesi-Damarlı Bitkiler [40]'e göre endemik statüsünü kaybetmiştir. Ayrıca *Onopordum boissierianum*, *O. isaurica*, *Scozonera semicana* ve *Hesperis syriaca* taksonları bu esere [40] göre endemik iken The Euro+Med PlantBase [41]'de başka ülkelerden lokalite kayıtlarının tespit edilmesi nedeniyle endemik statüsünden çıkmışlardır.

Sonuç olarak Şanlıurfa ilinde floristik ve vejetasyon çalışmaları devam etmektedir. Bunun neticesinde de Şanlıurfa ilinin florasına dahil edilebilecek daha çok taksonun olacağı tahmin edilmektedir. Bu çalışma ile Şanlıurfa florasını ilgilendiren yapılmış tüm araştırmalarda tespit edilen taksonlar bir liste halinde sunulmuş olup, bunun konu ile ilgilenen tüm araştırmacılara önemli bir kolaylık ve katkı sağlayacağı ümit edilmektedir.

Teşekkür

Bu çalışmanın gerçekleşmesinde maddi destek sağlayan Harran Üniversitesi Bilimsel Araştırma Komisyonu (Proje No: 13152)'na katkılarından dolayı teşekkür ederiz.

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