

New Floristic Records on Dicotyledones for the Square B9 (Özalp-Van) from Turkey

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ANGIOSPERMAE

DICOTYLEDONES

RANUNCULACEAE

Delphinium peregrinum L.

B9 Van, Özalp, around Emek Village, fallow land, 2000 m, 17.07.1998, F 8542.

Consolida olopetala (Boiss.) Hayek.

B9 Van, Özalp, east of Tepedam Village, meadows, 2150 m, 05.06.1996, F 819, Ir.-Tur. elm.

Ranunculus flammula L.

B9 Van, Özalp, south of Dorutay Village, meadows, 2100 m, 29.07.1998, F 8660 (det: L. Behçet).

PAPAVERACEAE

Papaver glaucum Boiss. & Hausskn.

B9 Van, Özalp, 15 km along the Erçek to Özalp road, wheat field, 2000 m, 05.06.1996, F 810, Ir.-Tur. elm.

BRASSICACEAE (CRUCIFERAE)

Thlaspi orbiculatum Stev.

B9 Van, Özalp, A. Sağmalı Village, around Düzlüktepe, roadside, steppe, 2360 m, 26.06.1997, F 3556 (det: N. Demirkuş).

Alyssum linifolium Steph. ex Willd. var. *teheranicum* Bornm.

B9 Van, Özalp, Ahtadağı, around Gündüztepe, steppe, 2700 m, 13.05.1997, F 2839.

A. meniocoides Boiss.

B9 Van, Özalp, Sugeçer Village, fallow land, 2175 m, 28.06.1997, F 4246.

A. macropodum Boiss. & Bal. var. *heterotrichum* Hub.– Mor.

B9 Van, Özalp, Ahtadağı, around Mevlüttepe, steppe, 2293 m, 26.06.1997, F 3394, END., Ir.-Tur. elm.

Arabidopsis parvula (Schrenk) Schulz

B9 Van, Özalp, Çırak Village, salty steppe, 2180 m, 29.06.1997, F 4391, Ir.-Tur. elm.

CARYOPHYLLACEAE

Arenaria lychnidea M.Bieb.

B9 Van, Özalp, east of Şehittepe Village, Kurrahayal Mountain, stony pile, 2100 m, 10.07.1997, F 4984.

A. ledebouriana Fenzl var. *armeniaca* McNeill

B9 Van, Özalp, A. Sağmalı Village, around Yaylatepe, steppe, 2154 m, 20.07.1997, F 5497, END., Ir.-Tur. elm.

Dianthus inamoenus Schischk.

B9 Van, Özalp, A. Akçagöl Village, around Küldere, steppe, 2450 m, 19.10. 1997, F 1951.

Petrorhagia cretica (L.) Ball. & Heywood

B9 Van, Özalp, Ahtadağı, around Ayıdere, steppe, 2048 m, 15.09.1997, F 5449 b.

Silene eremitica Boiss.

B9 Van, Özalp, north of A. Çavdarlık Village, steppe, 1950 m, 10.08.1996, F 2645, Ir.-Tur. elm.

S. stenobotrys Boiss.& Hausskn.

B9 Van, Özalp, between Savatlı and Boğazkesen Villages, rocky slopes, 2300 m, 05.07.1997, F 5064, Ir.-Tur. elm.

MALVACEAE

Malva parviflora L.

B9 Van, Özalp, A. Ayazca Village, Hasan Stream Valley, 2100 m, 05.07.1997, F 5018.

Alcea setosa (Boiss.) Alef.

B9 Van, Özalp, Emek Village, around Haleptepe, very steep rocks, 2360 m, 25.06.1997, F 4010, E. Medit. elm.

GERANIACEAE

Geranium psilostemon Ledeb.

B9 Van, Özalp, east of Bağrıaçık Village, protected meadow, 2090 m, 29.06.1997, F 2673, Euxine (mt.) elm.

G. pratense L. subsp. *finitimum* (Woronow) Knuth

B9 Van, Özalp, south of Hazine Village, streamside, 2300 m, 23.07.1996, F 2709.

RUTACEAE

Haplopyllum cappadocicum Spach

B9 Van, Özalp, south of Mollahasan Village, steppe, 2010 m, 30.06.1998, F 8168, END., Ir.-Tur. elm.

FABACEAE (LEGUMINOSAE)

Astragalus brachypetalus Trautv.

B9 Van, Özalp, south of Kalecik Village, steppe, 2200 m, 24.05.1997, F 229, Ir.-Tur. elm.

A. woronowii Bornm.

B9 Van, Özalp, Sugeçer Village, Baltepe valley, steppe, 2780 m, 03.07.1997, F 4138.

A. fodinarum Boiss. & Noé

B9 Van, Özalp, south of Y. Sağmalı Village, wet meadow, 2050 m, 05.07.1998, F 8082 (det: L. Behçet). END. Ir.-Tur. elm.

A. viridis Bunge

B9 Van, Özalp, Savatlı Village, around Beyaztaş Hill, steppe, 2200 m, 08.07.1997, F 5820, Ir.-Tur. elm.

Trigonella foenum – graecum L.

B9 Van, Özalp, north of Dağdeviren Village, stony slopes, 2280 m, 16.06.1997, F 2468.

Medicago noeana Boiss.

B9 Van, Özalp, north of Ahtadağı, calcareous area, 2420 m, 28.05.1997, F 2868, Ir.-Tur. elm.

ROSACEAE

Cerasus angustifolia (Spach) Browicz. var. *angustifolia*

B9 Van, Özalp, Yarımkaaya Village, around Tatarkayaları, 2100 m, 29.06.1997, F 4495, Ir.-Tur. elm.

Alchemilla valdehirsuta Buser

B9 Van, Özalp, west of Yarımkaaya Village, steppe, 2300 m, 26.06.1998, F 7173.

APIACEAE (UMBELLIFERAE)

Grammosciadium cornutum (Náb.) Townsend

B9 Van, Özalp, Kalecik Village, around Saltakaya, rocky slopes, 2250 m, 18.04.1996, F 2557, Ir.-Tur. elm.

Pimpinella aromatica M.Bieb.

B9 Van, Özalp, A. Mollahasan Village, meadow, 2030 m, 30.06.1998, F 8174.

P. rhodantha Boiss.

B9 Van, Özalp, 20 km along the Özalp to Van road, around Yeniçavuş Hill, steppe, 2144 m, 05.09.1997, F 1453.

ASTERACEAE (COMPOSITAE)

Tripleurospermum fissurale (Sosn.) E.Hossain

B9 Van, Özalp, south of Yarımkaaya Village, stony slopes, 2187 m, 19.05.1997, F 8506, END.

Artemisia haussknechtii Boiss.

B9 Van, Özalp, east of Kırkçalı Village, steppe, 2200 m, 14.08.1997, F 1690, Ir.-Tur. elm.

Crepis alpina L.

B9 Van, Özalp, A. Sağmalı Village, around Dedeçayı, steppe, 2400 m, 03.07.1997, F 4591.

CAMPANULACEAE

Campanula strigosa Banks & Sol.

B9 Van, Özalp, north of A. Sağmalı Village, fallow land, 2070 m, 25.05.1996, F 2489, E. Med. elm.

Asyneuma limonifolium (L.) Janchen subsp. *pestallozuae* (Boiss.) Damboldt

B9 Van, Özalp, east of Y. Ayazca Village, steppe, 2010 m, 07.07.1997, F 5172, END.

Michauxia laevigata Vent.

B9 Van, Özalp, Dorutay Village, Beyazıt Mountain, road side, 2350 m, 18.07.1996, F 2670 (det: L. Behçet), Ir.-Tur. elm.

BORAGINACEAE

Lappula spinocarpos (Forssk.) Aschers. ex O.Kuntze

B9 Van, Özalp, north of A. Ayazca Village, stony area, 2008 m, 07.07.1997, F 5187, Ir.-Tur. elm.

Cynoglossum holosericeum Steven

B9 Van, Özalp, A. Sağmalı Village, around Düzlıktepe, meadow, 2300 m, 26.06.1997, F 3530, Euxine (mt.) elm.

Onosma orientale (L.) L.

B9 Van, Özalp, A. Akçagöl Village, around Kuldere, roadside, 2289 m, 26.06.1997, F 3461, Ir.-Tur. elm.

O. rechingeri H.Riedl.

B9 Van, Özalp, Çırak Village, around Mezraderesi, stony slopes, 2180 m, 29.06.1997, F 4401, Ir.-Tur. elm.

O. tinctorium M.Bieb.

B9 Van, Özalp, east of Kargalı District, roadside, 2050 m, 09.08.1998, F 8821, Euro-Sib. elm.

O. davisii H.Riedl.

B9 Van, Özalp, east of Kalecik Village, steppe, 2115 m, 24.05.1996, F 235.

SCROPHULARIACEAE

Verbascum oreodoxum Hub.-Mor.

B9 Van, Özalp, A. Ayazca Village, around Değirmen Hill, steppe, 2500 m, 05.07.1997, F 5024, END., Ir.-Tur. elm.

Scrophularia nodosa L.

B9 Van, Özalp, east of Kargalı District, stream side, 2200 m, 09.08.1998, F 8798, Euro.-Sib. elm.

S. libanotica Boiss. var. *cappadocica* R.R. Mill

B9 Van, Özalp, south of Kargalı District, rocky slopes, 2150 m, 09.08.1998, F 8802, END. Ir.-Tur. elm.

S. variegata M.Bieb.

B9 Van, Özalp, A. Sağmalı Village, around Mezarlıktepe, rocky area, 2110 m, 22.05.1996, F 2475, Ir.-Tur. elm.

S. striata Boiss.

B9 Van, Özalp, Kalecik Village, around Kındırğa, steppe, 2108 m, 25.06.1997, F 2994, Ir.-Tur. elm.

Parentucellia viscosa (L.) Caruel

B9 Van, Özalp, Kalecik Village, around Sivritepe, wet area, 2100 m, 05.08.1996, F 2558a, Med. elm.

OROBANCHACEAE

Orobanche caesia Rchb.

B9 Van, Özalp, between Savatlı and Boğazkesen Villages, on the Artemisia sp., steppe, 2350 m, 05.07.1997, F 5132.

LAMIACEAE (LABIATAE)

Lamium galactophyllum Boiss. & Reuter

B9 Van, Özalp, Sugeçer Village, around Kelharabe Hill, steppe, 2253 m, 14.06.1996, F 896, END., Ir.-Tur. elm.

Stachys melampyroides Hand.-Mazz.

B9 Van, Özalp, east of Seydibey Village, around Ömertepe, steppe, 2050 m, 29.06.1997, F 4434, Ir.-Tur. elm.

Prunella orientalis Bornm.

B9 Van, Özalp, south of Y. Ayazca Village, damp meadow, 2080 m, 07.07.1997, F 5156.