A new record for the flora of Turkey: *Lathyrus atropatanus* (Leguminosae)

Fatma GüNEŞ1,*, Ali Hikmet ÇIRPICI2

1Department of Biology, Faculty of Arts and Sciences, Kafkas University, 36100, Kars - TURKEY
2Department of Biology, Faculty of Arts and Sciences, Marmara University, 34722 Göztepe, İstanbul - TURKEY

Received: 11.05.2011 • Accepted: 09.12.2011


≡ *Lathyrus nivalis* Hand.-Mazz. identified in Nakhichevan, Southern Transcaucasia, are very similar to each other; they are even thought to be synonyms (Davis, 1970). It was collected from Van Province in 2008. *Lathyrus atropatanus* is different from *L. nivalis* mainly in its dense adpressed indumentum. First attempts were made to identify the collected samples using *Flora of Turkey* (Davis, 1970; Davis et al., 1988; Güneş & Özhatay, 2000). According to the identification based on the *Flora of Russia* (Komarov, 1948), it was concluded that it is *L. atropatanus*, recorded for the flora of Turkey for the first time. New records and new taxa of articles have increased with revision studies recently (Aytaç & Duman, 2010; Kürşat et al., 2011, Özhatay et al., 2011).

*Lathyrus atropatanus* is closely related to *Lathyrus nivalis*. It differs from the latter in having the leaflets (5-)11-28 × 1-4 mm (not 15-63 × 1-5), stipules 5-15(-20) × (0.5-)1-3 mm (not 5-25(-27) × 0.5-5), peduncle 3.3-10 mm (not 4.1-20.6), flower length (15-)20-63 × 1-5 (not P × E = 39.00 × 34.84), chromosome number and types 2n = 14, m,m,m,m,m,m,m,m,m (not 2n = 14, m,m,m,m,m,m,m,m,m,m).

**Specimens examined:** B9 Van: Mount Pirreşit, above Gündüzlü village, steppe, 2350 m, 26.06.1997, F.Güneş (VANF 3363); Mount Pirreşit, north slopes, steppe, 2000 m, 30.06.1998, M.Unal (VANF 2265); Between Güzelsu and Başkale, Gündere pass, 2600 m, 10.06.2001, M.Armagan (VANF 1297); Gürpınar, above Sapakonak village, rocky slopes, steppe, 2400 m, 03.07.2001, M.Unal (VANF 5161); Mount Pirreşit slopes, above Gündüzlie village, 2704 m, 38°90'941"N; 43°91'527"E, 12.06.2008, F.Güneş 1836; Van–Hakkari road, Güzeldere pass, behind the military care building, 2370 m, 14.06.2008, 38°11'334"N; 43°54'387"E, F.Güneş 1848 & M.Armagan; Gürpınar–Kırkçeçit road, Sapakonak village, slopes above village, 2653 m, 38°20'715"N; 43°60'980"E, 14.06.2008, F.Güneş 1849 & M.Armagan.

**Habitat and conservation status**

It grows on mountain slopes, steppes, usually on limestone, unproductive slopes, and Highlands, 2000-2704 m. Its natural habitat is under threat due to over-grazing. Therefore, it is recommended to be classified as Critically Endangered (CR) (IUCN, 2001).

**Acknowledgement**

The authors express their thanks to TÜBİTAK for its financial support (Project number TBAG-107T127).

**References**


* E-mail: drgunes@gmail.com