A New Record for the Flora of Turkey: *Crambe hispanica* L.  
(Brasssicaceae)

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Abstract: *Crambe hispanica* L., collected during the floristic study of Anamurium Antique City (Anamur, Mersin province), is reported as a new record for the flora of Turkey. The new record is described and illustrated, and a distribution map is presented.

Key Words: Cruciferae, *Crambe hispanica*, new record, Anamur, Turkey

Türkiye Florası için Yeni Bir Kayıt: *Crambe hispanica* L. (Brasssicaceae)

Özet: *Crambe hispanica* L., Anamurium Antik Kentinde (Mersin–Anamur) yapılan floristik çalışma sırasında Türkiye Florası için yeni bir kayıt olarak bildirilmiştir. Yeni kaydın (*Crambe hispanica*) tanıtıcı özellikleri, resmi ve bunun yanı sıra yayılış haritası verilmiştir.

Anahtar Sözcükler: Cruciferae, *Crambe hispanica*, yeni kayıt, Anamur, Türkiye

Introduction

Specimens of *Crambe* L. were collected during the floristic study of Anamurium (Anamur, Mersin province). At first, we were not able to identify these specimens using the *Flora of Turkey* (Hedge 1965, Davis et al., 1988, Güner et al., 2000). Subsequently, the plant specimens were identified as *Crambe hispanica* L. according to *Flora Europaea* (Ball, 1964), *Flora Iranica* (Hedge, 1968), *Flora Palaestina* (Zohary, 1966), *Flora Iberica* (Gomez Campo, 1993), and *Flora Hellenica* (Tan, 2002). After thorough examinations of all the specimens and the relevant literature (Greuter et al., 1986; Khalilov, 1993; Özhatay et al., 1999; Özhatay & Kültür, 2006; Prina, 2000; Yıldırımli, 2001; Tan, 2002; Donner, 2007), it was decided that this species is a new record for Turkey.

*Crambe hispanica* L., Sp. Pl. 2: 671 (1753).  
Syn.: *Crambe glabrata* DC., Prodr. 1: 226 (1824).  
*C. hispanica* L. var. major Moris, Fl. Sard. 1: 110 (1837).  

Lectotype: Herb. Linn. No. 849.5 (LINN)

Provenance: Habitat in Hispania.

Annual herbs, 25-70 cm Stem erect, ribbed, densely hispid at base, sparsely hairy and branched on the upper half. Basal and lower leaves with petiolate, lyrate-pinnatisect, terminal lobe reniform to heart-shaped, irregularly crenata, and 1-2 pairs of lateral lobes. Upper leaves frequently undivided, sessile to petiolate. All

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leaves densely hispid on both surfaces. Sepals 1.5-2 mm. Petals white, spathulate, 3-3.5 mm long, shortly clawed. Fruiting pedicels 5-7 mm, slender, glabrous. Inner filaments with teeth near apex, anthers c. 0.5 mm. Lower segments of silicula c. 1 mm; upper segment 2-2.5 mm, globose (Figure 1).

C4 Mersin; Anamur District, Anamurium Antique City, stony place and roadside, 0-5 m, 17.05.2007, E.Yıldıztugay 1230. The plant specimens are deposited in KNYA Herbarium.

Discussion

The genus *Crambe* L. is represented in Turkey by five taxa (Hedge, 1965; Davis et al., 1988). The total number of *Crambe* taxa rises to six with the addition of *Crambe hispanica*.

The plant grows in the Mediterranean region of South Europe and North-west Africa (Portugal and Morocco to West Syria) (Tan, 2002). *C. hispanica* grows in a very limited area (in Turkey), where it is under high grazing pressure (Figure 2).

Figure 1. *Crambe hispanica*: A- Flower, B- Petal, C- Stamen (inner filament with teeth), D- Fruit.
Taxonomically *C. hispanica* is the closest taxon to *C. orientalis* var. *orientalis* distributed in Turkey. It differs from *C. orientalis* var. *orientalis* as indicated in the Table.

The plant grows on rocky and stony places at the seaside. Taxa distributed along with *Crambe hispanica* are as follows: *Sarcopoterium spinosum* (L.) Spach, *Cistus laurifolius* L., *Lupinus varius* L., *Allium neopolitanum* Cyr., *Malcolmia chia* (L.) DC., *Muscari comosum* (L.) Mill., *Verbascum levanticum* I.K.Ferguson, and *Ononis variegata* L.

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**References**


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