

TWO NEW TAXA FOR THE FLORA OF TURKEY

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SUMMARY

Hyssopus officinalis L. subsp. *officinalis* (Lamiaceae) and *Allium hymenorrhizum* Ledeb. (Liliaceae) are given as taxa new to Turkey. The specimens were collected from the province of Kars in Eastern Anatolia, square A9.

Key Words: *Hyssopus*, *Allium*.

TÜRKİYE FLORASI İÇİN YENİ TAKSONLAR

ÖZET

Hyssopus officinalis L. subsp. *officinalis* (Lamiaceae) ve *Allium hymenorrhizum* Ledeb. (Liliaceae) Türkiye için yeni taksonlar olarak verilmektedir. Örnekler Doğu Anadolu'nun A9 karesinden , Kars ilinden toplanmıştır.

Anahtar Kelimeler: *Hyssopus*, *Allium*.

INTRODUCTION

The research area from which the plant material was collected, is interesting and the richest place from floristic point of view. The taxa were checked from related references [7,8]. These plants were collected in 1981-1986 during our floristic study in province of Kars. The specimens are kept in the Herbarium of Hacettepe University, at the Department of Biology (HUB).

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RESULTS

LAMIACEAE (LABIATAE)

Hyssopus officinalis L. subsp. *officinalis* Sp. pi. (1753) 569. Table 1, Figure 1. A new subspecies for the Flora of Turkey. Differs from *H. officinalis* subsp. *angustifolius* (Bieb). Arcangeli by its terete stem and larger cauline leaves [2,4,5,8].

Habitat; Cultivated in gardens, sometimes escaped, occurring as a weed and mountains.

Flowering time; July, September.

Type; In London, described from South Europe.

A9 Kars: Posof, Between Al, Yeniköy and Türkgözü Villages, 1400-1700 m., 10.28, 1986, Demirkuş, 3873.

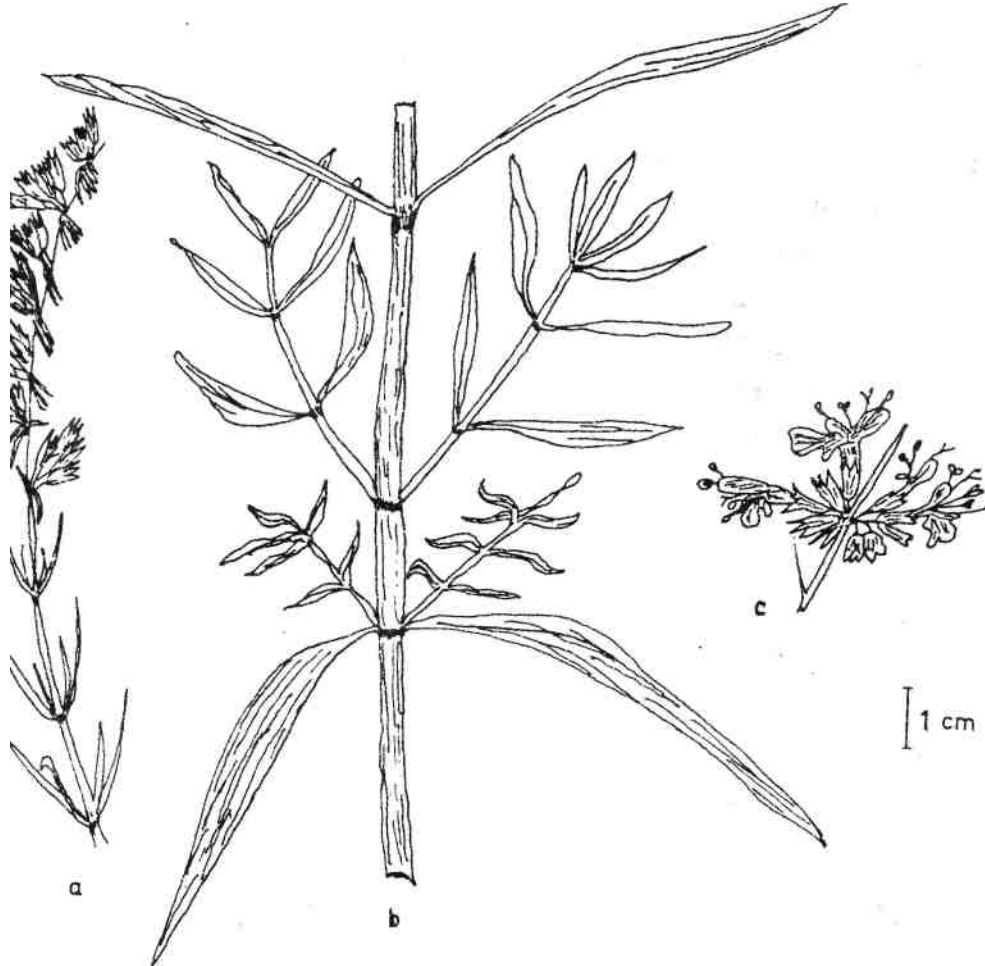
Geographical distribution; South Europe, Estonia, Crimea, N.E. Turkey.

Table 1. Comparison of Diagnostic Characters of *Hyssopus officinalis* subsp. *officinalis* and subsp. *angustifolius*

Species	subsp. <i>officinalis</i>	subsp. <i>angustifolius</i>
Stem	terete	4 angled
Median leaves	20-40 X 5-10 mm	15-20X1-3 mm
Verticillasters	2-15 flowered	2-6 flowered

Figure 1. *Hyssopus officinalis* subsp. *officinalis*

a. inflorescence b. median stem leaves c. verticillaster



LILIACEAE

Allium hymenorrhizum Ledeb., Fl. Alt. 2:2 (1830). Table 2, Figure 2. A new species for the Flora of Turkey. Differs from *Allium albidum* Fischer ex Bieb. subsp. *caucasicum* (Regel) Stearn by its stamens longer than perianth segments, outer tunics dark red to brownish and spathe 1 valved [1,6,7,9].

Habitat; wet pasture.

Flowering time; July.

Type; In Leningrad.

A9 Kars: Göle, Karlıyazı Meadows, 1250 m., 7.7.1981.

N. Demirkuş, 1020 (İSTE), 1186a (HUB).

Det. M. Koyuncu, 1981.

Geographical distribution; Western and Middle Asia, Iran, Southern Aural Mountains, Northeast Turkey.

Table 2. Comparison of Diagnostic Characters of *Allium hymenorrhizum* and *A. albidum* subsp. *caucasicum*.

Species	<i>A.hymenorrhizum</i>	<i>A.albidum</i> sbsp. <i>caucasicum</i>
Outer tunics	from dark red to brownish and coriaceous	from greyish to yellow and membranous
Stamens length	1.5-2 X perianth	equaling or scarcely exceeding perianth
Spathe	1 valved, not persistent	2 valved, persistent

in our plant specimens; spathe not persistent, outer perianth oblong-lanceolate, carinate, subacute. Inner ones oblong-elliptic, upper part denticulate. These characters have not been given in the Flora USSR [6].

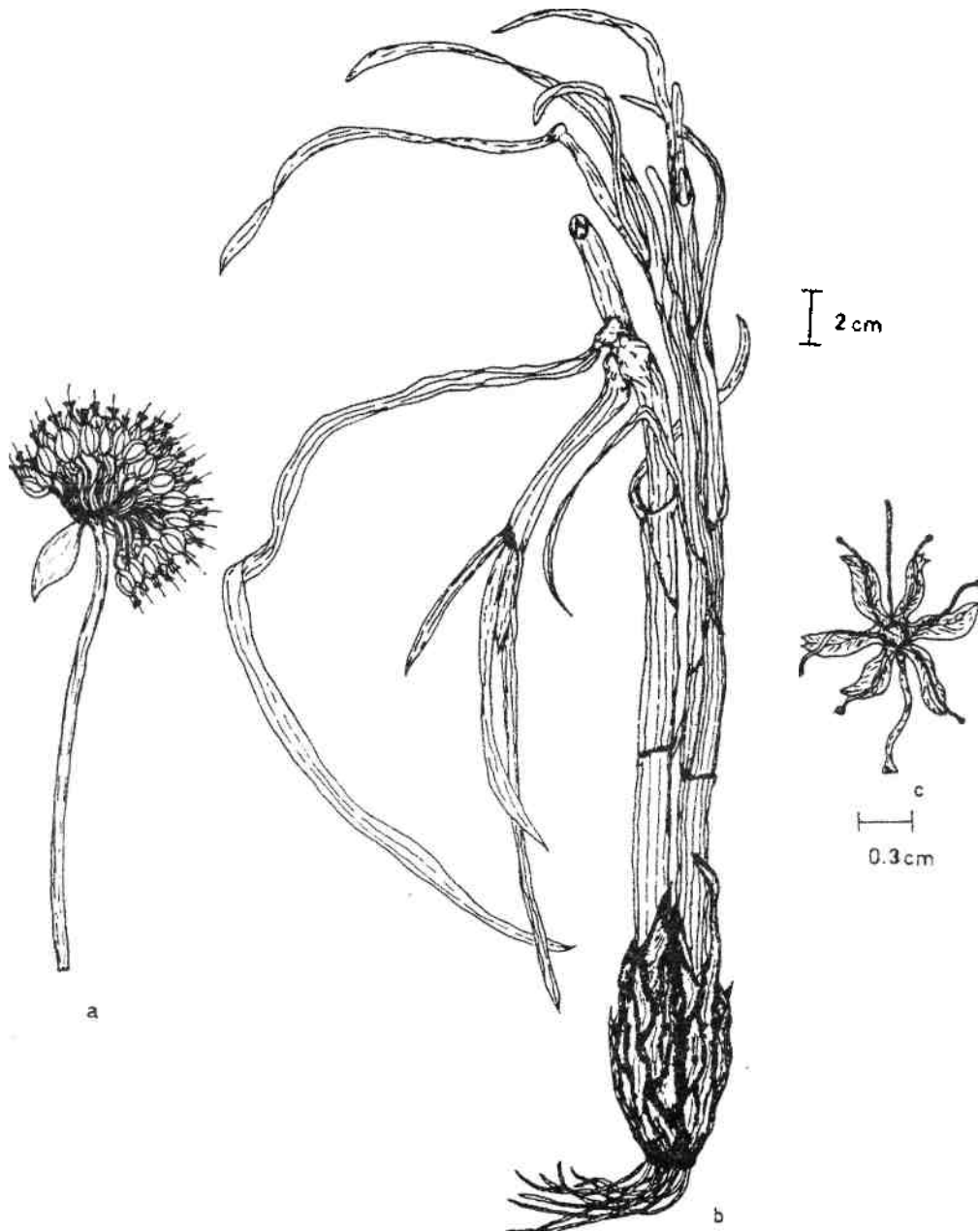


Figure 2. *Allium hymenorrhizum*
a. inflorescence b. lower leaves c. flower segments
and bulb

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