

## NEW SPECIES AND INTERESTING PLANT RECORDS FROM IRAN

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Mozaffarian, V. 1992.12.1: New species and interesting plant records from Iran. - Iran. Journ. Bot. 5(2): 83-90. Tehran.

*Centaurea khuzistanica* is described as new species from south Iran. *Centaurea dimirezii* Wagenitz, *Ehretia obtusifolia* Hochst. et DC., *Nigella nigellastrum* (L.) Willk, *Peucedanum officinale* L., *Saccharum spontaneum* L., and *Serratula erucifolia* (L.) Boriss. are reported from Iran.

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### گونه جدید و گزارش گونه‌های جالبی از ایران ولی‌اله مظفریان

گونه *Centaurea khuzistanica* به‌عنوان گونه جدید نامگذاری و شرح داده می‌شود. گونه‌های زیر برای اولین بار از ایران گزارش می‌گردند. *Centaurea dimirezii*, *Ehretia obtusifolia*, *Nigella nigellastrum*, *Serratula erucifolia* و *Peucedanum officinale* وجود گونه‌های *Saccharum spontaneum* و *Peucedanum officinale* که در برخی فلورها از ایران گزارش شده بودند، تأیید می‌گردد.

## INTRODUCTION

The author during collecting trips to the Iranian provinces have come across to a number of interesting plants. Some of these are new species or new records for Iran. Herbarium materials of all collections are preserved at TARI.

## NEW SPECIES

### ***Centaurea khuzistanica* Mozaffarian, sp. nov.**

Herbae perennes. Caulis c. 50 cm altus, erectus, ultra medium ramosus, sulcatus, crispate lanatus, ad supra medium circiter foliatus, superne subnudus. Folia basalia in vivo fere carnosa in sicco crasse rigide coriacea, breviter petiolata, magna, petiolo incluso 20-25 cm longo, pinnatisecta, segmenta lateralia utrinque 4-6, irregulariter dentata, segmenta terminalis segmentis lateralibus majores. Folia caulina sessilia, foliis basalibus similia sed paulo minora. Involucrum subglobosum in statu fructifera turbinatum, 4.5 x 5 cm. Phylla multiseriata, floccoso-lanata, mucronata, mucrone glabro, deflexo, phylla interiora ca. 10 mm longa, integra. Flores valde

numerosi, tubulosi, flavi, 4 cm longi, tubo quam limbo longiore in tertiam partem superiores dilatati, in partem inferiores filiformi, laciniae limbi ca. 6 mm longae. Achenia matura  $\pm$  quadrangularia, striata, laevia 8-10 mm longa, pappus ca. 8-16 mm longus, multiseriatus, setae seriei internae longissimae. Setae omnes plumosae.

*Typus:* Khusiztan: Dezful to Shahion, after Bishebozan, Bazargah, ca. 500 m, 17.4.1990, V. Mozaffarian 70181 (holotypus TARI).

The new species is related to *Centaurea paradoxa* but apparently quite distinct by yellow flowers (not purple rose), floccose phyllaries (not glabrous), racemose stem in upper part (not simple), and pluricephalous stem (not unicephalous).

Perennial, stems several, erect ca. 50 cm tall, with several usually simple branches in upper half, sulcate, crispate-lanate, only with basal and upper median stem leaves, upper part naked. Basal leaves in living state fleshy and in dry state leathery, shortly petiolate, big, including petiole 20-25 cm long, pinnatisect, with about 4-6 irregular dentate lateral segments, terminal segment bigger than the laterals, upper stem leaves sessile, similar to basals but smaller.



Fig. 1. *Centaurea khuzistanica* (x 0.44; involucre x 0.48; achene x 0.88)



Fig. 2. *Centaurea dimirezii* (x 0.7; flower x 2.2)

Involucre subglobose, in fruting state turbinate, 4.5 x 5 cm. Phyllaries multiseriate, floccose-lanate, mucronate mucro glabrous, deflexed, entire, inner one up to 10 mm long. Flowers numerous, tubular, yellow, 4 cm long, filiform in 3/4 of their length, dilated in remainder part, corolla limbs  $\pm$  6 mm long. Achenes  $\pm$  4-angled, striate, smooth, shiny white, ca. 8-10 mm long, pappus ca. 8-16 mm long, inner rows longer than outer; plumose.

**INTERESTING AND NEW PLANT RECORDS**

***Centaurea dimirezii* Wagenitz**

Azarbaiejan: N.W. of Khoy, Boundary of Turkey, from Zourabad, Ghezleje, Kelisa to Dizaje Aland, 2750 m 10.7.1991, V. Mozaffarian 69992; Siahcheshme, Baron village around Zorzor church (Kelisa) 1720 m, 17.7.1991 V. Mozaffarian 71126.

A new species record for Iran.

According to Wagentiz (1975, P. 524) it is an endemic and Ir. - Tur. element in Turkey.

***Ehretia obtusifolia* Hochst. et DC.**

Baluchestan: Iranshahr, Sarbaz road, ca. 26 km from main road to Kahnuk, Pichan and Chanf, around Ahuran river, 1000 m, 19.4.1991 V. Mozaffarian 70154.

New genus and species record for Iran.

According to H. Riedl 1967 P. 7 General distribution of the species is Afghanistan, Pakistan, India, Africa tropica.

***Nigella nigellastrum* (L.) Willk.**

Azarbaiejan: Urumieh, Sero, 1650 m, 6.7.1991 V. Mozaffarian 69882.

New species record for Iran.

According to P.H. Davis 1965 P. 104, the species was described from S. France with general distribution of Spain, Crete, Crimea, Caucasia, N. Iraq and Cyprus.

***Peucedanum officinale* L.**

Tehran: Arak, Kuh-e Rasband from Hesar and Morvaridar Vallies 2000-2500 m, 4.9.1984 V. Mozaffarian 63716.

A. Parsa (1948, P. 826) mentions this species from Iran; Silakhor, but it was not

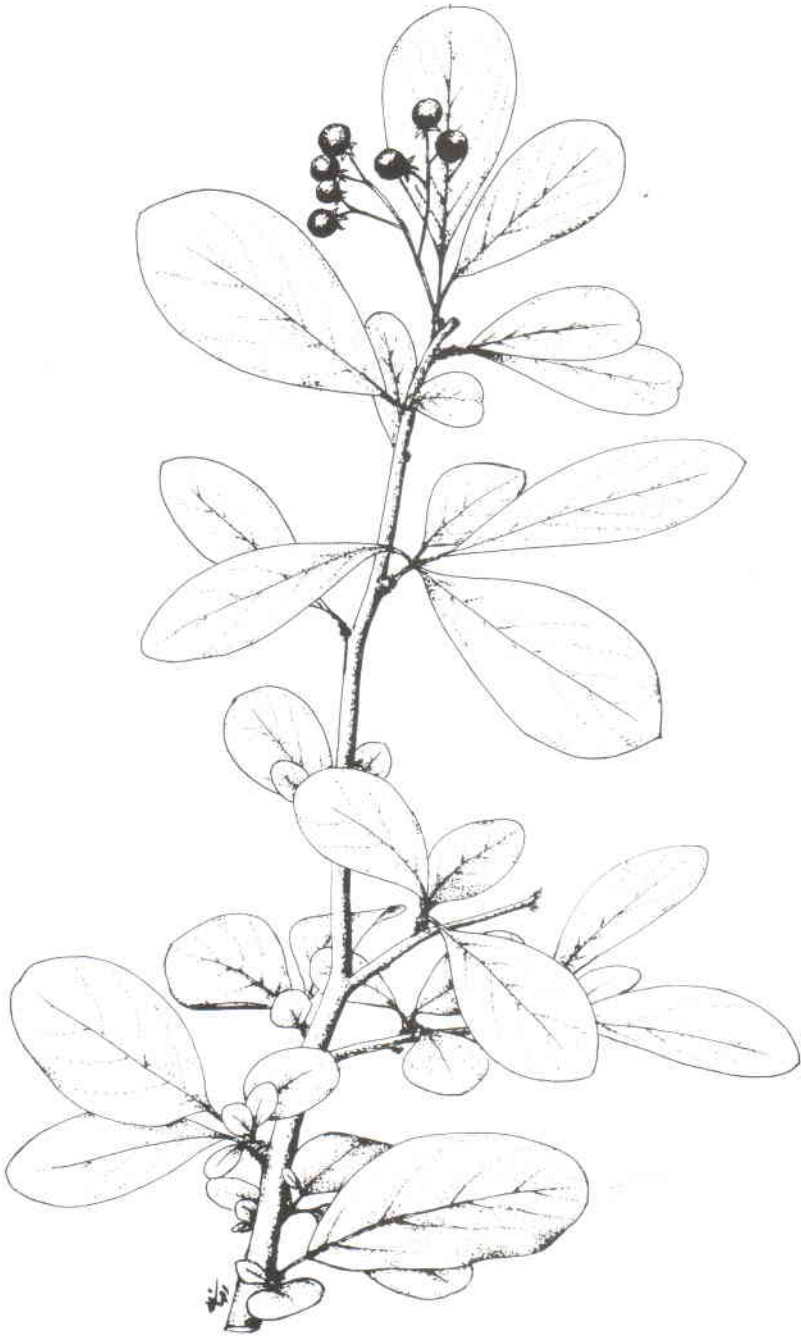


Fig. 3. *Ehretia obtusifolia* (x 0.68)

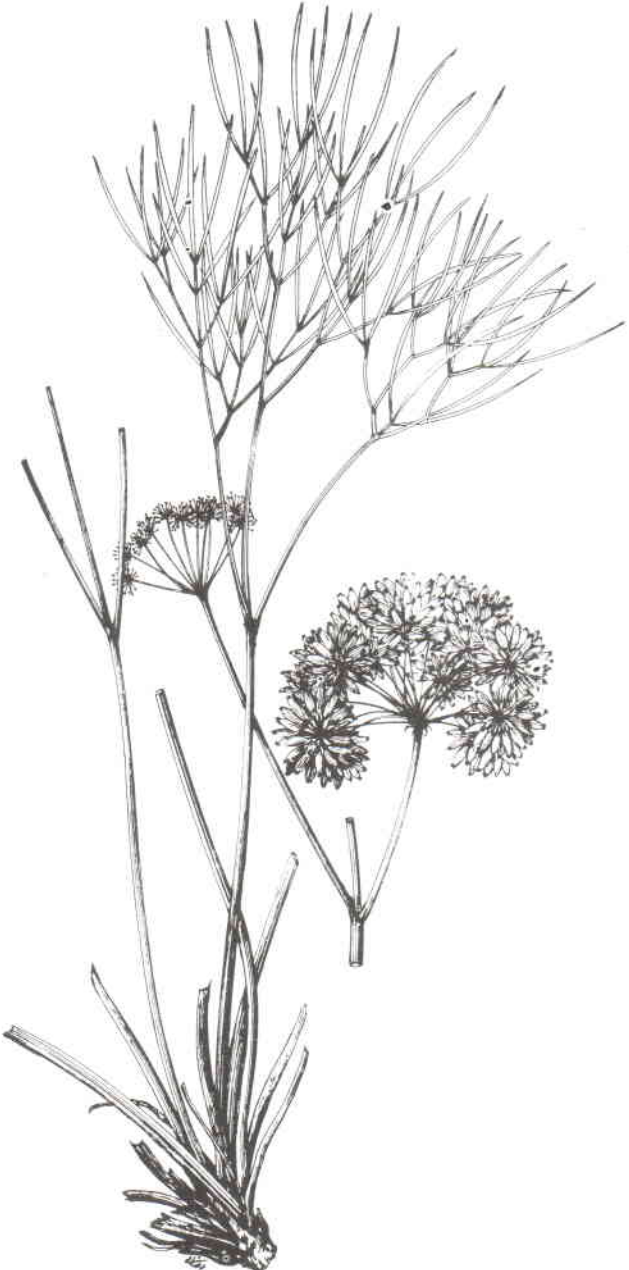


Fig. 4. *Peucedanum officinale* (x 0.41)

included in Rechinger Flora Iranica 1987.

According to T.G. Tutin 1968, P. 361, it is an European species with C. & S. Europe distribution.

New species record for Iran.

According to Ph. Davis and F. K. Kupicha 1975, P. 460. general distribution of the species is W. Russia. Crimea, Caucasia, Transcaspica.

### **Saccharum spontaneum L.**

Mazandaran: Amol, Mahmud-abad, Fereidun-Kenar, sand dunes margin of Caspian sea, ca. -10 m 4.9.1991, A. Ghahreman & V. Mozaffarian 71208.

This species was only mentioned from Iran by Roshevits (1934, P. 8). Even if it is a common wide spreading species in Mazandaran but Bor 1970 in K.H. Rechinger Flora Iranica vol. 70 does not mention it from Iran.

### **Serratula erucifolia (L.) Boriss.**

Azarbaiejan: Between Khoy and Siah-Chesme, Mahlamlu, Boundary of Turkey, 1950m, 10.7.1991 V. Mozaffarian 69994.

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