ADDITION TO THE FLORA OF IRAN

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Abstract

KAVOUSI K., DUMAN H., NAZARI Z., JOUHARCHI R. M. (2010): Addition to the Flora of Iran. – Kanitzia 17: 29-31.

Alyssum filiforme Nyár. and A. anatolicum Hausskn. ex Nyár. from genus Alyssum section Odontarhena subsection Inflata are reported from NE Iran. These two species have only known from Turkey.

Key words: Alyssum, Hezar-masjed, Inflata, Irano-Turanian elements, Odontarrhena

Introduction

Genus *Alyssum* L. has been known with up to 230 species in the world with most of species originated from Turkey. Based on Rechinger's Flora Iranica (DUDLEY 1968), 31 species of *Alyssum* have been known from Iran, the list has improved with *A. condensatum* Boiss., *A. callichroum* Boiss., *A. argenteum* All., *A. obtusifolium* Steven ex DC., *A. penjwinense* T. R. Dudley, *A. sibiricum* Willd., *A. singarense* Boiss., *A. stipitatum* Kavousi et T. R. Dudley, *A. mozaffarianii* Kavousi, by Kavousi in 2001. Based on our recent field investigations and herbarium studies two species of *Alyssum* have been recorded from NE Iran.

Material and Methods

The specimens have been collected from NE Iran in Bojnourd, Mt Misino and Bardanlou by the members of Mashhad University Herbarium (FUMH). Determination of plant species have done by the Flora of Turkey (Dudley 1965) and after that for assu-rance have compared with the type material in the Natural History Museum of Vienna and Ghazi University Herbarium in Turkey.

Results and Discussion

Comparison of Iranian specimens with the type material resulted in two new records for the flora of Iran. It seems that more studies and field investigations are compulsory for finding the distribution gaps and understanding the reason of disjunction of distribution between Iranian localities with the type locality in Turkey.

Alyssum filiforme Nyár. (Fig. 1. and Fig. 3.) was determined by E. NYÁRÁDY in 1929 from Armenia Turcica region in Turkey as a new species, and DUDLEY (1965) regarded it as an Irano-Turanian element. This species is distributed from NE Turkey to Lake Van and are found in the Ankara region too, this perennial species is distinguishable from the other relative species in section *Odontarrhena* with the quadrangular cross section in silicule, it is recognised from wide elevations 900–2,000 m in Turkey and with very constricted height, 1,800–2,000 m in Iran.

Alyssum anatolicum Hausskn. ex Nyár (Fig. 2. and Fig. 3.) was known by Haussknecht and E. Nyárády in 1929 from Szanduk-baschi of Turkey, it is close to A. sin-

garense, which was known from Iraq. This species is distinguished from the other relative species in the section *Odontarrhena* by the rectangular cross section in silicule.

These two restricted species might be extended in Iran with more field investigations in the future.

Acknowledgements

Most of the success about new *Alyssum* records, valuable data, and our information about distribution of *Alyssum* in Iran are due to the exact and extensive gathering of herbarium personnel of Mashhad University.



Fig. 1. Alyssum filiforme Nyár. (10×)

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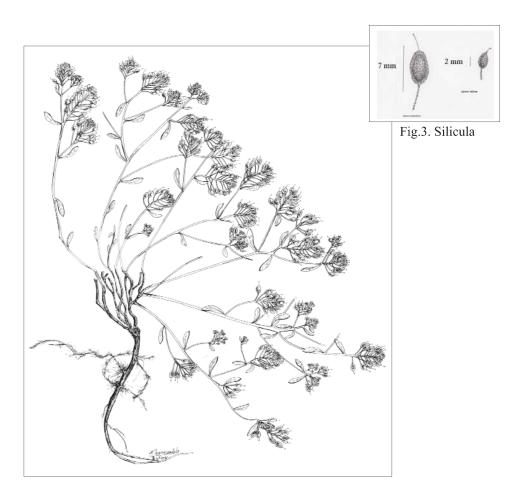


Fig. 2. Alyssum anatolicum Hausskn. ex Nyár. (10×)