

TWO NEW RECORDS OF LINARIA (SCROPHULARIACEAE) FROM IRAN

S. M. M. Hamdi, M. Assadi, A. A. Maassoumi & M. R. Joharchi

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Linaria leptoceras and *L. bamianica* are recorded as new to Iran. These species have been collected from Khorasan province in NE. of Iran. Characteristics, exact localities, habitat, geographical distribution and the last state of nomenclature are explained.

Seyed Mohammad Mehdi Hamdi, Islamic Azad University, Garmsar branch, Garmsar, Iran. -Mostafa Assadi & Ali Asghar Maassoumi, Research Institute of Forests and Rangelands, P. O. Box: 13185-116, Tehran, Iran. -Mohammad Reza Joharchi, Research Center of Plant Science, the Herbarium, Ferdowsi University.

Keyword. *Scrophulariaceae*, *Linaria*, Khorasan, Iran, new records.

گزارش دو گونه جدید از جنس *Linaria* از ایران

سید محمد مهدی حمدی، مصطفی اسدی، علی اصغر معصومی و محمد رضا جوهرچی

گونه‌های *Linaria leptoceras* و *Linaria bamianica* برای اولین بار از ایران گزارش می‌گردند. این گونه‌ها از خراسان جمع‌آوری شده‌اند. ویژگیها، محل دقیق جمع‌آوری، رویشگاه، پراکنش جغرافیایی و آخرین وضعیت نامگذاری گونه‌ها توضیح داده می‌شود.

Introduction

For the revision and biosystematic studies of the genus *Linaria* in Iran, herbarium specimens from the area were collected. After naming plants in the herbarium of Research Institute of Forests and Rangelands (TARI), *Linaria leptoceras* & *Linaria bamianica* are reported as new records for the flora of Iran.

Linaria bamianica Patzak in Koie & Rech. f., Kong. Denske Vid. Selsk. Skr. 10(3):92, tab. 33 (1958).

Khorasan: Torbate-Jam, North of Torbate-Jam, 10 km to Bani-Tak, 1050 m, M. R. Jouharchi 30649 (TARI).

General distribution. Afghanistan and Iran.

Linaria bamianica was described from Afghanistan. This species belongs to the section *Linaria*. Although type specimen was not seen, but details of its description were compared with monograph of *Antirrhineae* (Sutton 1988). According to the descriptions given in monograph of *Antirrhineae* it is a taxon of stony steppes and gravel river beds between 2700-3000 m in central Afghanistan. Specimens from central Afghanistan identified as *L. melanogramma* by Patzak (1958) are partially indistinguishable from *L.*

bamianica. However, *L. bamianica* is very similar to *L. striatella*. One of the few characters that seems to distinguish *L. bamianica* from Iranian specimens of *L. striatella* (= *L. melanogramma*) is the relative length of the bracts and pedicels, the former taxon having bracts which are 2-3 times shorter than the pedicels, not more or less equaling the pedicels. The flowers of the *L. bamianica* apparently lack the characteristic purple veins of *L. striatella*.

Linaria leptoceras Kuprian., Acta Inst. Bot. Sci. URSS ser. 1 2: 299, tab 2 (1963).

Khorasan: Shirvan, Koosheh, mountains Alkhas, 1900-2100 m, Termeh, Moosavi & Tehrani s. n.; Ghoochan, East of Ghoochan, Kokanloo mountains, 1650 m, Faghihnia & Zangouii 27499.

General distribution. Kazakhstan SSR; Peninsula Mangyshlak, in montibus cretaceis Aktau.

Apparently restricted to calcareous hills in the vicinity of the Mangyshlak peninsula on the north-eastern coast of the Caspian Sea in Central Asia (Kuprianova, 1950). *L. leptoceras* resembles *L. odora* but has densely glandular-puberulent lower

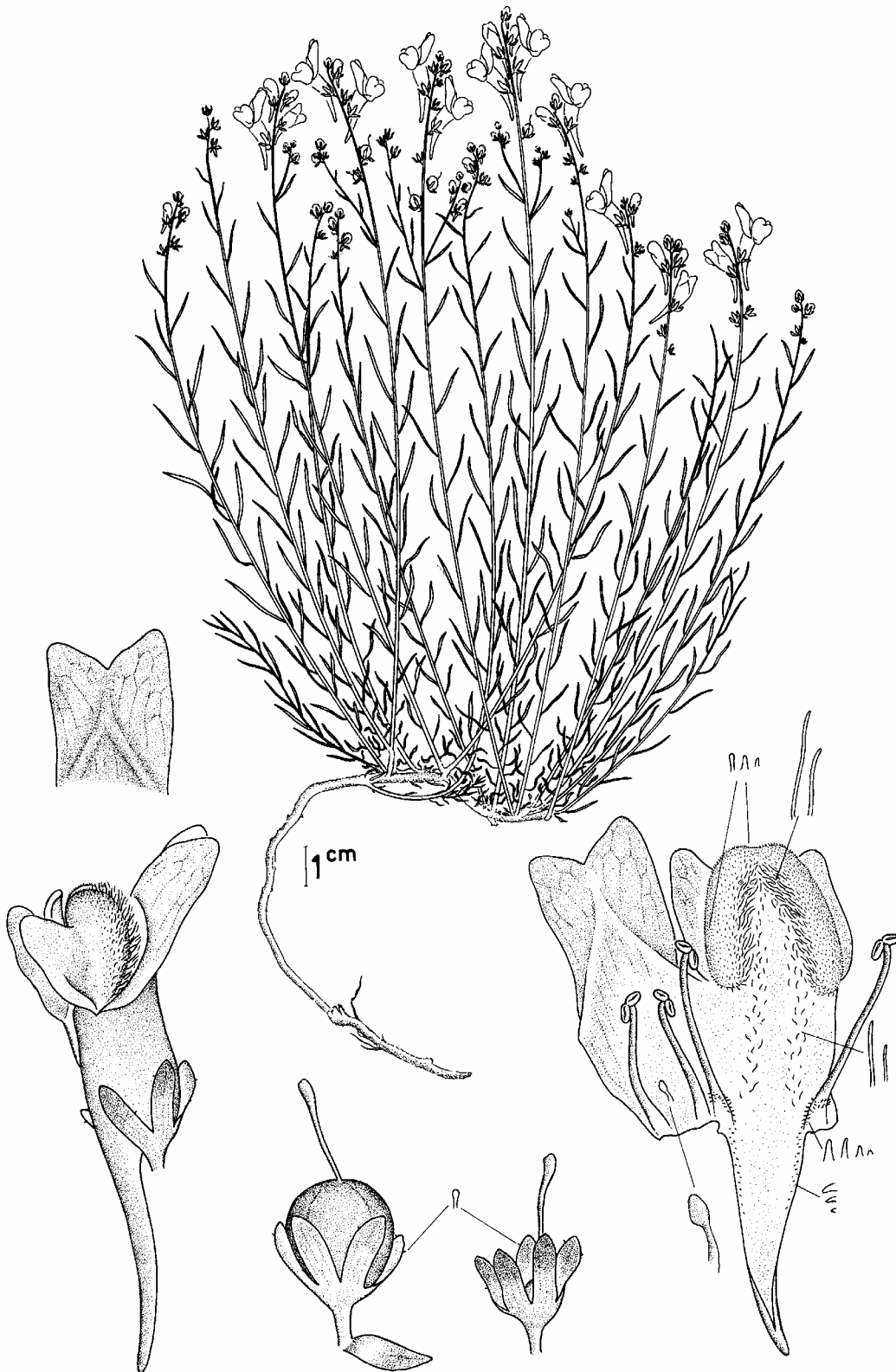


Fig. 1. *Linaria bamianica*; details (x3.6).

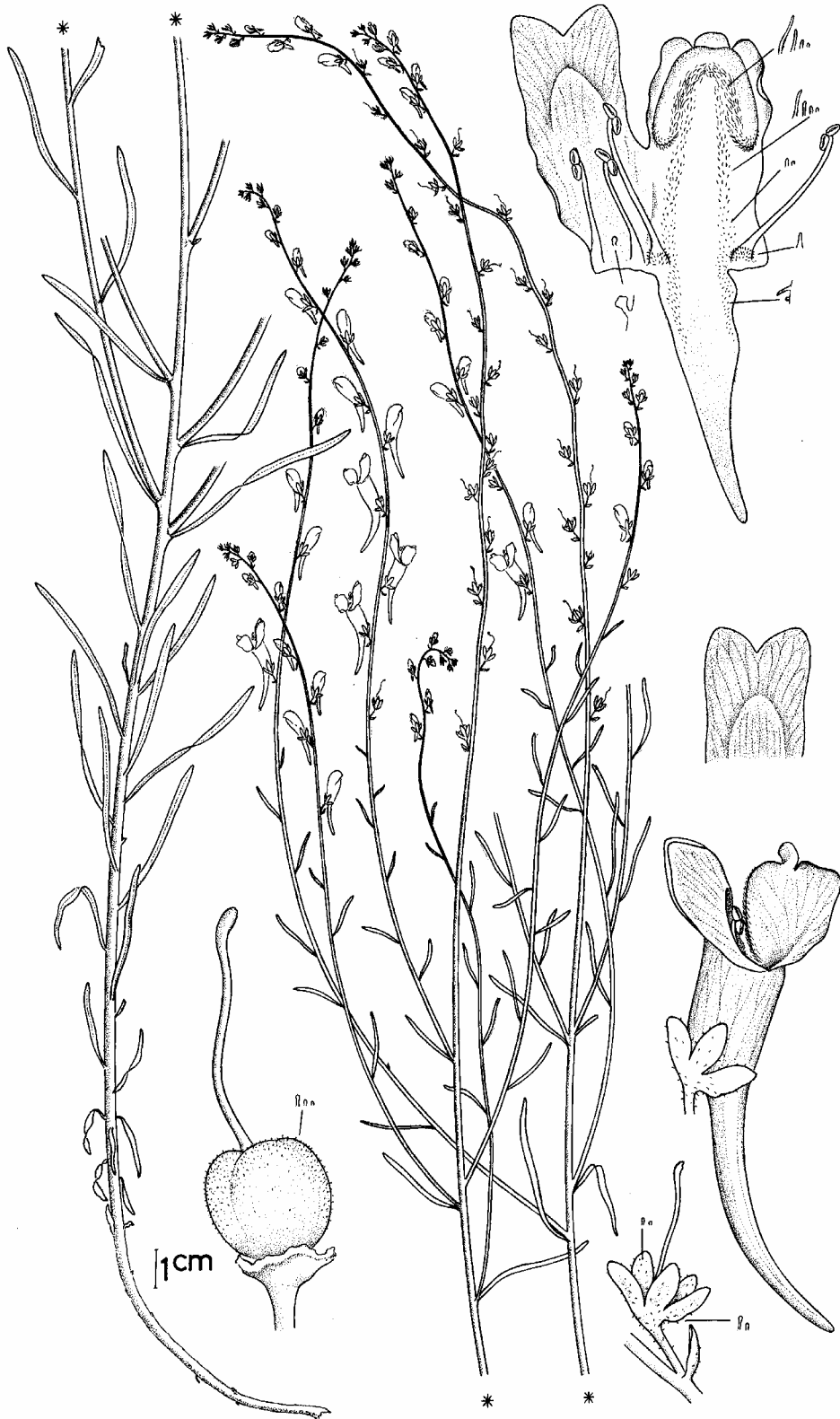


Fig. 2. *Linaria leptoceras* (x 0.5); details (x3).

leaves and at the base of stem, appressed uppermost leaves and leaves and flowers with a longer spur.

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