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## Studies on the flora of Jordan

### 9. *Kickxia azraqensis* (Scrophulariaceae), species nova

LOUTFY BOULOS & JAMIL LAHHAM

#### Résumé

Boulos, L. & J. Lahham (1977). Etude de la flore de Jordanie 9. *Kickxia azraqensis* (Scrophulariaceae), species nova. *Candollea* 32: 277-280. En anglais.

Description et illustration d'une espèce nouvelle de la région désertique de Jordanie centrale, avec une carte de répartition.

#### Abstract

Boulos, L. & J. Lahham (1977). Studies on the flora of Jordan 9. *Kickxia azraqensis* (Scrophulariaceae), species nova. *Candollea* 32: 277-280. French abstract.

A description and illustration of a new species from the desert region of Central Jordan, with a distribution map.

#### *Kickxia azraqensis* Boulos & Lahham, spec. nova

Herba perennis, glanduloso-pilosa; caules decumbentes multiramosi, parte basali lignosâ; folia longe petiolata, ovata ad late elliptica; inflorescentia racemosa, ramosa, multiflora, bracteis hastatis vel subdeltoideis foliaceis flores subtendentibus; flores citrini bilabiati,  $\pm 1$  cm longi; calcar flavescens, 7-8 mm longum, ad apicem curvatum; sepala 5 subaequalia,  $\pm$  deltoidea, persistentia, ad basim connata; stylus  $\pm 3$  mm longus, persistens; fructus subglobosus usque late conicus, circiter 4 mm diametro, rugulosus; semina brunnescentia, reniformia,  $0.3 \times 0.5$  mm, verrucosa.

Wadi, 35 km W. of Azraq Oasis, 14.5.1976, *Täckholm, Hadidi, Lahham & Boulos 8981* (Herb. Univ. Jord. Amman, Holotype! BM! CAI! G! K! LD! S!, Isotypes).

Perennial glandular-hairy herb. Stems decumbent, richly branched; the short basal part woody and bearing leaves, the whole of the rest forming the inflorescence with leaf-like bracts subtending the flowers. Basal leaves few, alternate, petiolate, ovate to broadly elliptic, petiole 1-2 cm long, blade 3-6  $\times$  5-10 mm, margins entire, apex acute. Lower and middle bracts hastate to almost deltoid, petiole 2-5 mm long; upper  $\pm$  deltoid, minute, shortly petiolate to  $\pm$  sessile. Inflorescence racemose, branched, many-flowered. Flowering pedicel  $\pm 1$  cm long, upcurved. Flowers lemon-yellow,  $\pm 1$  cm long excluding the conspicuous whitish-yellow spur. Sepals 5, subequal  $\pm$  triangular, persistent, united at the base, densely glandular hairy outside, glabrous inside, 1-1.5  $\times$  c. 4 mm, margins broadly scarious towards the base, apex acuminate. Corolla spurred, two-lipped, upper 2-lobed, lower 3-lobed, apex of petals

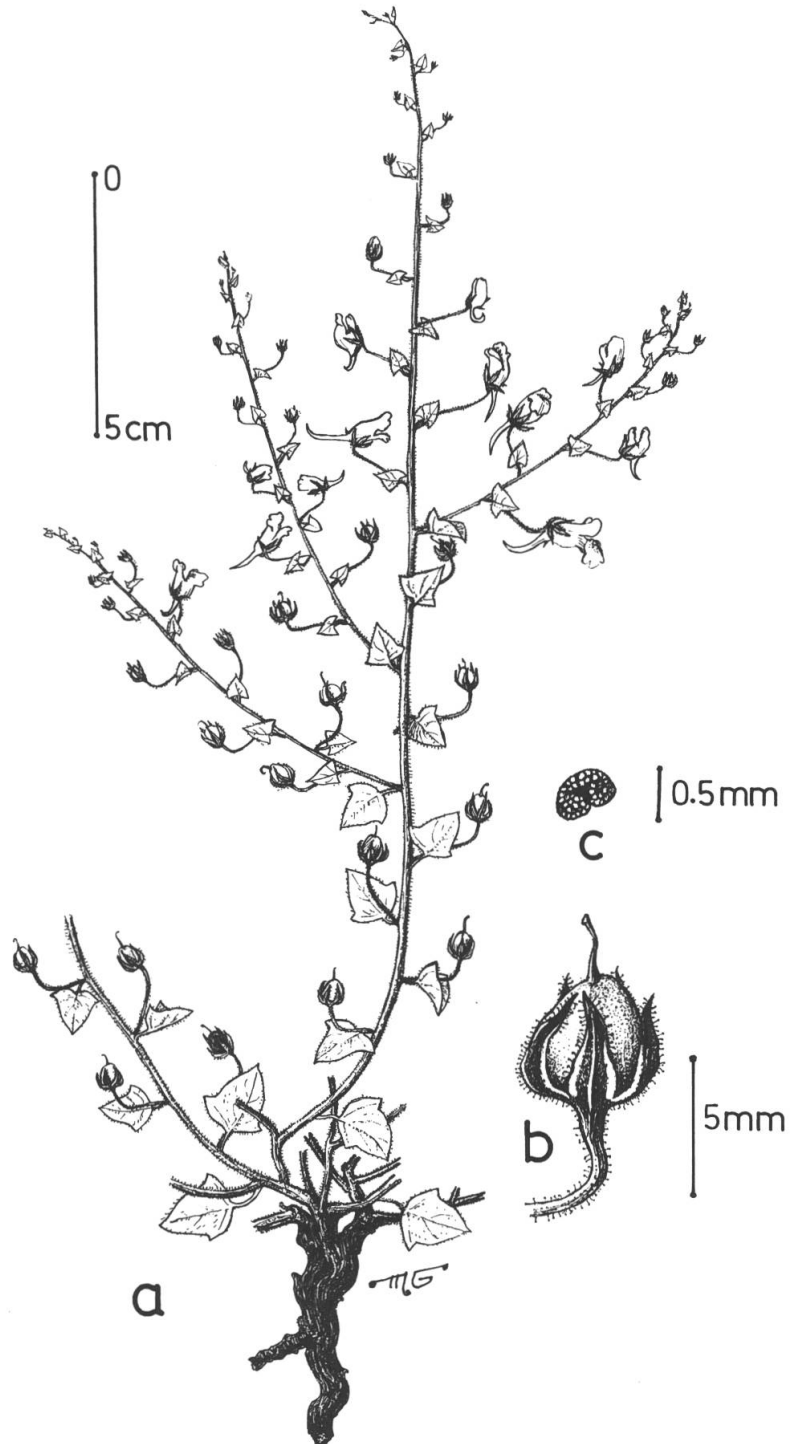


Fig. 1. — *Kickxia azraqensis*.  
a: habit; b: fruit; c: seed.

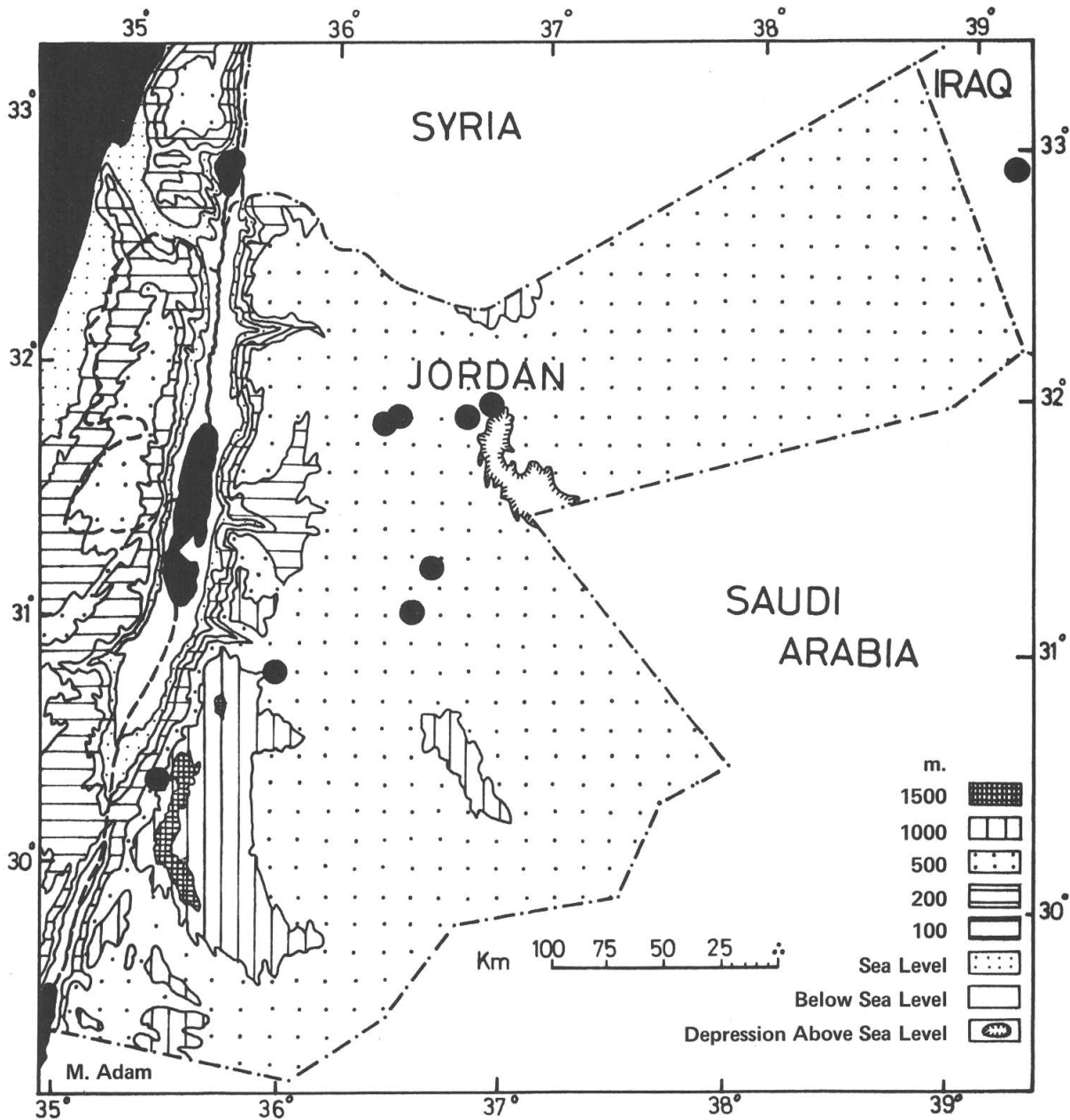


Fig. 2. — Distribution of *Kickxia azraqensis* in Jordan and Iraq.

rounded; spur 7-8 mm long, sparingly hairy, curved through  $\pm 90^\circ$  towards its tip. Stamens didynamous, filaments of long stamens  $\pm 6$  mm long, of short stamens  $\pm 3.5$  mm long, all hairy towards the base; anthers  $\pm$  kidney-shaped,  $\pm 1$  mm long; style  $\pm 3$  mm long, persistent. Fruiting pedicel 1-1.5 cm long, upcurved. Fruit subglobose to broadly conical, c. 4 mm diameter, rugulose. Seeds brownish, reniform, 0.3 x 0.5 mm, verrucose.

*Distribution*

Jordan and Iraq (see map, fig. 2).

**Jordan.** 12 km W. of Azraq police post on road to Qasr Amra, 600 m, 18.4.1963 (fl., fr.) *Gillett 15680* (K!); Azraq Druz, 23.4.1965 (fl., fr.) *Townsend 65/222* (K!); Azraq Druz, Wadi about 2 miles E. of the village on the road to Ain Beida, 4.5.1965 (fl., fr.) *Townsend 65/383* (K!); 10 km W. of Azraq Oasis, 25.4.1974 (fl., fr.) *Boulos, Jallad, Lahham & Ismail* (Herb. Univ. Jordan Amman! BM! K!); Wadi, 35 km west of Azraq Oasis, 14.5.1976 (fl., fr.) *Täckholm, El Hadidi, Lahham & Boulos 8981* (Herb. Univ. Jordan Amman! Holotype, BM! CAI! G! K! LD! S! isotypes); c. 40 km N.E. of El Jafr, 9.4.1975, *Boulos & Jallad 7995* (fl.); Wadi Bayir, 1 km below Bayir Police Station, 900 m, 2.5.1976 (fl., fr.) *Boulos, Addiss & Qumsiyeh 8712* (Herb. Univ. Jordan Amman!); Jebel Oneizi (Edom) on basalt, 22.4.1945 (fl., fr.) *Davis 9218* (K!); Desert, 40 km W. of Azraq, 600 m, 17.4.1936 (fl., fr.) *Dinsmore 10160* (K!); Petra, rocky places, 17.4.1937 (fl., fr.) *Dinsmore 12160* (K!). **Iraq.** Wadi Al Walaj, about 75 km S.W. of Rutba, 8.6.1957 (fl., fr.) *Rechinger 9935* (Herb. Univ. Jordan Amman!).

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