ASTRAGALUS HOTKANENSIS (FABACEAE, SECT. MICROPHYSA), A NEW SPECIES FROM IRAN
A. A. Maassoumi & M. Mirtadzadini


Astragalus hotkanensis is described as a new species from south east Iran. This species belongs to the sect. Microphya Bunge. The related species are A. meimandicus, and A. reuterianus.

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�ونه جدید (Fabaceae, sect. Microphya) از ایران

على اصغر معصوم و سيد منصور ميرناج الدين

گونه جدید Aastragalus hotkanensis Massoumi & Mirtadzadini


Description. Foliolis obovatis vel oblongo-ellipticis. Inflorescentiae laxae, deflexae. Legumen dense pilosum, basi ± c. 1.5 mm stipitatum, dorso-ventro compresum.

Differt ab A. meimandicus Maassoumi & Vakili, bracteis ovatae-triangularibus (nec linearius); ab A. reuterianus Bunge, foliolis planlanatis (nec complicatis), apicis retusis, emarginatis (nec rotundatis), corollis c. 15.5 mm longis (sec 10 mm), legumine c. 1.5 mm stipitatatis (nec sessilli).

Description. Small spiny shrub, 10-18 cm high; densely covered with white hairs. Stem divided at the base. Stipules membranous, lanceolate, 3-4 mm long, at the base c. 2-2.5 mm adnate to the petioles. Leaves 4-11 cm long, spiny, densely covered with spreading hairs; rachis ± erect, rigid and hairy; petiole 1-5 cm long; leaflets 7-10 pairs, often obovate, c. 2-5 mm long and 3.5-6 mm wide, on the both sides densely covered with spreading hairs, apex truncate or emarginate, rarely rounded, shortly mucronulate; macro c. 0.7 mm long. Inflorescence a loose raceme, slightly flexuose, 3-6 cm long, with 3-7 flowers; peduncle 1.5-3 cm long, densely covered with short spreading hairs. Bracts ovate-triangular, acuminate, hairy, 2-4 mm long. Bracteoles linear, hairy, 1.5-2 mm long. Calyx tubular in young stage, later inflated, c. 11 mm long, at fruiting time elongated to 13-15 mm long and 6-8 mm in diameter, densely covered with spreading hairs, reddish or pale yellow beneath. Corolla cream at the base and red on the limb. Standard c. 15 mm long; the limb late ovate or orbicular, rounded at apex, c. 6 mm long and 6.5 mm wide, at the base abruptly constricted. Wings c. 15 mm long; limb elliptic, c. 4 mm long. Keels c. 14 mm long; limb shortly curved. Ovary hairy. Pods ellipsoid, c. 7 mm long and 3-4 mm wide, densely hairy, compressed dorso-ventrally, ventral side carinate and dorsally briefly sulcate, at the base with a stipe c. 1.5 mm long. Seed single, brown, c. 3.5-4 mm long.

Type. Iran, Kerman, Zarand, Hotkan village, 2420 m, 4.6.2004, Mirtadzadini s.n. (holo. TARI).

Other specimen. Iran, Kerman, Zarand, Khanuk village, c. 2100 m, Assadi & Bazgosha 56350 (TARI).
Fig. 1. *Astragalus hotkanensis*. – A: habit, B: bract (left) and bracteole (right), C: wings, D: keel, E: standard, F: seed, G: pod.