

## A NEW SPECIES OF THE GENUS ASTRAGALUS L. SECT. HYMENOSTEGIS FROM KURDISTAN, IRAN

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Maassoumi, A. A. & Maroofi, H. 2006 08 01: A new species of the genus *Astragalus* L. sect. *Hymenostegis* from Kurdistan, Iran. –*Iran. Journ. Bot.* 12 (1): 92-93. Tehran.

*Astragalus montis-nacarouzii* is described from the sect. *Hymenostegis*. It has been collected from Kurdistan province, Kuhe Nacarouz where it has been under collection. The new species is related to *A. glumaceus* and *A. pediculariformis*.

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**Key words.** Taxonomy, *Astragalus*, sect. *Hymenostegis*, new species, Iran, Kurdistan.

علی اصغر معصومی و حسین معروفی

گونه جدیدی از جنس *Astragalus* در کردستان

گونه جدید *A. montis-nacarouzii* Maassoumi & Maroofi بعنوان گونه جدید متعلق به بخش *Hymenostegis* از کردستان، کوه نکروز شرح داده می شود. گونه جدید از منطقه‌ای معرفی می‌گردد که تاکنون جمع‌آوری چندانی صورت نگرفته است و این گونه در بسیاری از صفات با گونه‌های خویشاوند خود چون *A. glumaceus* Boiss. و *A. pediculariformis* Maassoumi تفاوت‌های چشمگیری دارد.

### Introduction

Based on new collection during the few last years from Kurdistan province, a new species *A. montis-nacarouzii* from sect. *Hymenostegis* is described. The new species is compared with the nearest related e.g. *A. glumaceus* Boiss. and *A. pediculariformis* Maassoumi.

***Astragalus montis-nacarouzii* Maassoumi & Maroofi, sp. nov.**

Similis *A. glumaceus* Boiss. sed differt foliolis anguste ellipticis c. 3-4 mm latis (nec 3-12 mm), pilis in part vegetatio brevissimis et patentibus (nec longissimis et subappressis); bracteis ovatis, c. 14 mm latis, glabrescentibus (nec 3-9 mm latis, glabris); calycis breviter inflatis, c. 4 mm latis (nec 8-16 mm). Differt ab *A. pediculariformis* Maassoumi, bracteis ovatis c. 14 mm latis (nec 3-6 mm); calycis pilis longis obtectis (nec longis et brevissimis immixitis).

Plant suffruticose, densely caespitose, c. 25-30 cm tall, spiny. Stem c. 15 cm long, thick and lignose at the base, branched, with dark brown to blackish bark, often covered with remnants of old petioles, part of current

year 1-3 cm long, often branched, covered by stipules, rather densely covered with spreading hairs. Stipules chartaceous, whitish to pale yellowish, c. 18-20 mm long, at the base adnate to the petiole c. 10 mm, vaginate, connate behind the stem for 8 mm, the free portion narrowly triangular, acuminate, very sparsely hairy, at the margin remotely ciliate with the hairs c. 0.4-0.6 mm. Leaves 6-7 cm long; petiole 2-3.5 cm long, rather often rigid, c. 1 mm thick, densely covered with spreading different sized hairs, c. 0.4-0.6 mm long. Leaflets 6-7 pairs, narrowly elliptic, acuminate, c. 10-15 mm long and 3-4 mm wide, with a pungent yellowish cusp c. 1 mm long, both sides sparsely covered with spreading hairs c. 0.3-1 mm long. Peduncle c. 4-6 cm long, densely covered with spreading hairs c. 0.3-1 mm long. Racemes ovoid to cylindrical, c. 2-5 cm long and 2.5-3 cm in diameter, many flowered. Bracts persistent, thickly membranous, pale brown to purplish, c. 17 mm long and 14 mm wide, widely ovate-acuminate, sparsely hairy, very soon glabrous, remotely ciliate at the margin with hairs up to 1 mm long. Calyx at the beginning tubular, later shortly inflated, c. 15 mm long and 4 mm wide, mostly

with purplish teeth, rather densely covered with ascending hairs 2-2.5 mm long, inner side glabrous; teeth subulate, c. 8 mm long, inner side sparsely hairy. Corolla purplish. Standard 20 mm long; limb c. 8 mm long, oblong-panduriform, constricted below the middle, shortly obtusely auriculate-hastate at the base, with broadly cuneate claw. Wings c. 19 mm long; limb narrowly oblong at the apex, obtuse, 8.5 mm long and 2.5 mm wide; auricle very short; claw c 11 mm long. Keel c. 15 mm long; limb obliquely obovate, obtuse at apex, c. 6 mm long and 3 mm wide; claw c. 10 mm long. Ovary sessile, densely hairy; style glabrous at the

base. Legumes sessile (immature), 2.5 mm long and 1.5 mm wide, densely appressed hairy.

*Typus.* Kurdistan, Saghes to Baneh, Piromaran village, Nacarouz mountain, 2500 m, 21.06.2005, Maroofi & Moradi 7219 (holotypus TARI; isotypus Kurdistan Research Center). *Other specimens seen.* Kurdistan, Saghes to Baneh, Piromaran village, Nacarouz mountain, 2500 m, 21.06.2005, Maroofi & Yosefi 1162; North of Sanandaj, Saral area, 2300 m, 23.06.1993, Maroof & Nikoo 2850.