

TWO NEW SPECIES OF THE GENUS ASTRAGALUS (PAPILIONACEAE) FROM IRAN

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Maassoumi, A. A. & Ranjbar M. M. 1994.12.25: Two new species of the genus *Astragalus* (*Papilionaceae*) from Iran -*Iran. Journ. Bot.* 6 (2): 251-253. Tehran.

Astragalus leucocerciformis and *A. pseudo-orthocarpus* are described as new species from Iran. They belong to the sections *Astragalus* and *Anthylloidei* respectively. Differences of the new species with their closest relatives are described.

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دو گونه جدید از جنس گون (*Astragalus* L.) از ایران

علی اصغر معصومی و مسعود رنجبر مبارکه

گونه‌های *A. leucocerciformis*, *Astragalus pseudo-orthocarpus* به عنوان گونه‌های جدید نامگذاری و شرح داده می‌شوند. گونه‌های فوق به ترتیب متعلق به بخش‌های *Anthylloidei*, *Astragalus* هستند. تفاوت‌های این گونه‌ها با نزدیک‌ترین خویشاوندان آنها توضیح داده می‌شود.

Astragalus leucocerciformis Ranjbar & Maassoumi, **sp. nov.** e sect. *Anthylloidei* DC.

Differs from *A. lalesarensis* Bornm. in having the leaflets obovate, retuse, emarginate (not oblong, obtuse); calyx campanulate, ca. 8-9 mm long (not tubular, ca. 14 mm long); corolla greenish white (not purplish); standard ca. 14 mm long, the limb attenuated toward the base (not 19 mm, subangulate at the base); wing-petals longer than the standard (not shorter).

Perennis, acaulis, laxe caespitosus, 15-20 cm altus, pilis basifixis 0.5-1 mm longis, sparsis adpressimis brevibus obtectis. Caudice lignoso, 1-2 cm longo, internodia lanata. Stipulae chartaceae, 3 mm longae, 2-3 mm latae, triangulares, apice acutae, petiolo adnatae, pilosae vel ciliatae. Folia 5-7 cm longa, petiolo 2-3 cm longo. Foliola 6-8 juga, 3-5 mm longa et 2-3 mm lata, obcordata, utrinque laxe vel dense appresse hirsuta, apice truncata, mucronulata; mucrone ca. 0.5 mm longae. Racemus brevissimus laxus, 3-5 florus; pedunculus 1.5-2 cm longus, a foliis brevioribus, pilis dense albo tomentosis. Bractae minutae, 3 mm longae, 1 mm latae, lanceolato-ovatae, pilis adpressis

albis obsitis. Bracteolae ca. 1.5 mm longae, lineares. Calyces floriferi tubulusi, rubro-striati, 10 mm longi et 4 mm lati, deinde inflati, 5-6 mm lati, campanulati, glabrescentes, pilis sparsis mollibus albis. Paralleliter 12-15 nervosi; laciniae 4 mm longae, subulatae, dimidio tubo breviores. Corolla glabra. Vexillum 15 mm longum; lamina elliptico-orbicularis, 9 mm longa et 7 mm lata, apice emarginata. Alae ca. 16 mm longae; laminae oblongae, antice rotundatae, 8-9 mm longae, ca. 3 mm latae, basi auriculatae; auriculae 1 mm longae. Carina 12 mm longa; lamina oblique obovato-triangularis, ca. 5 mm longa, 3-3.5 mm lata, ungue 7 mm longo. Ovarium 5-6 mm longum, laxe pilosum. Stylo glabro. Legumen ignotum.

Typus. Iran, Prov. Esfahan, Kashan, Verkan, 1600 m, 28.4.1974, Dini & Bazargan 7993 (hol. TARI).

Astragalus pseudo-orthocarpus Ranjbar & Maassoumi, **sp. nov.** e sect. *Astragalus* Differs from *A. bassineri* Trautv. in having only black hairs on the calyx (not mixed black and white hairs); from *A. orthocarpoides* Sirj. & Rech. f. with calyx teeth ca. 3 mm long (not 6-8 mm), leaflets 10-13 pairs (not 20-26 Pairs).

Plantae perennes, erectae, in partibus inferioribus saepe lignescentes, ca. 60 cm altae, densissime foliatae. Caulis ramosus, dilute viridis, ca. 5 mm crassus, sparse pilis albis nigrisque patentibus obtectus. Stipulae viridulae, pilis laxe patule nigri- et albi- villosae et ciliatae, ca. 4-6 mm longae, triangulares. Folia imparipinnata, 10-15 cm longa, erecta, petiolo 8-12 mm longo, sparse pilis albis et nigris immixtis obtectis. Rhachides viridulae, pilis albis nigrisque patentibus obtectis. Foliola 10-13 juga, 10-13 mm longa et 5 mm lata, obovata vel orbiculata, apice retusa. Racemus brevis, laxis, 7 florus; pedunculi 5 mm longi, sparse pilis nigris patentibus obtectus. Bractae minutae, 2 mm longae, lanceolato-ovatae, pilis adpressis albis et nigris obsitae. Calyx 7-9 mm longus, late tubulosi-campanulatus, sparse pilis nigris patentibus obtectus; laciniae 2 mm longae, triangulo-subulatae, tubo triplo breviores.

Corolla glabra, in vivo alba, in sicco flava. Vexillum 15 mm longum; lamina orbicularis, 8-9 mm lata, apice obtusa. Alae 14-15 mm longae, vexillis aequantes; laminae late oblongae, antice rotundatae, 7-8 mm longae, ca. 3 mm latae, basi auriculatae; auriculae 2 mm longae. Carina 10-13 mm longa; lamina triangularis, 6-8 mm longa, 3-3.5 mm lata, ungue 5-7 mm longo. Ovarium 15 mm longum, pilis sparsis mollibus albis. Legumen ovoideo-oblongum, dilute ochraceum vel flavidum, 5-7 mm longum et 4 mm latum, calyce aequilongo, plus minusve dense pilis brevissimis et longis sericeis divaricatisque albis obtectum, sulcatum, bilocularis; rostellum rectum, ca. 1 mm longum. Semina ochracea, reniformia, 5-7 mm longa, 4 mm lata.

Typus. Prov. Semnan, ca. 69 km N. Semnan, 4, Jul, 1972, Karimi 15154 (hol. TARI).