

**I. G. AREVSCHATIAN****ASTRAGALUS CAROLYNMUGARAE (FABACEAE)  
A NEW ENDMIC SPECIES FROM ARMENIA**

A new to science species *Astragalus carolynmugarae* (sect. *Incani* DC.) from Sevan floristic region of Armenia is described and illustrated.

Արեվշատյան Ի. Գ. *Astragalus carolynmugarae* (Fabaceae) նոր գրանցման հայագիտական նշանակությունը: Նկարագրված է զիգուբայան համար նոր գրանցման *Astragalus carolynmugarae* (սեկցիա *Incani* DC.) Սևանի ֆլորիստիկ շրջանից: Թուրքման և հունդիսի նկարը:

Արեվշատյան Ի. Գ. *Astragalus carolynmugarae* (Fabaceae) – новый вид из Армении. Описывается новый для науки вид *Astragalus carolynmugarae* (секция *Incani* DC.) из Севанского флористического района Армении. Приводится иллюстрация голотипа.

The described species of *Astragalus* belongs to the Mediterranean section *Incani* DC. that was represented in South Transcaucasia by 14 species (Arevschatian, 2007). The new species was collected for the first time in 1989 in Vardenis region of Armenia (Sevan floristic region). Further collections took place in 2009 in other places of the same region.

***Astragalus carolynmugarae* Arevschatian, sp. nova**

Perennial, stemless, dark green plant sparsely covered with bifurcate appressed hairs. Caudex polycephalous, branched, covered with congested leaves and stipules, forming dense tuft. Stipules pubescent, 5–6 mm long, at 1/3 connate with petiole, in the free part widely triangular, imbricate, the old ones remaining. Leaves imparipinnate, numerous, 2–5 cm long; rachis thin, slender, straight or curved, sparsely pubescent; lamina longer than petiole; leaflets in 7–15 pairs, 1.5–4 mm long, 1–2 mm wide, rounded-elliptic or elliptic, obtuse, not emarginate, glabrous from above, sparsely appressed pilose from below. Peduncle shorter than leaves, thin, slender, procumbent or ascending, 17–35 mm long, sparsely appressed pubescent; raceme 2–5 (9)-flowered. Bracts widely lanceolate, equal to the pedicels or twice shorter, 2.5–3.5 mm long; bracteoles 2, membranaceous, 1.5 mm long. Pedicells 3–6 mm long. Calyx 8–12 mm long, tubular, sparsely, black and white, adpressed, minute pilose, slightly oblique, teeth linear-subulate, unequal, 2–2.5 mm long. Corolla whitish, top of the carina violet; vexillum oblong, 22–24 mm long, in the widest part 6–6.5 mm wide, not narrowing at the apex, slightly emarginate, lamina 9–10 mm long, claw widely cuneate, 13–14 mm long; wings 18 mm long, bilobate, lamina oblong, 9 mm long, 2 mm wide, with curved auricule at the base, claw filiform, almost equal to the lamina; carina 16 mm long, lamina 1.5 times shorter than claw. Ovary linear, on the pedicel 2.5 mm long, sparsely pilose; style 10 mm long, glabrous. Legume on short pedicels, linear, slightly compressed-cylindrical, slightly curved, bilocular, with numerous seeds, 17–25 mm long, 3–3.5 mm wide, upward or horizontally oriented, on ventral side finely carinate, on dorsal side at apex with slightly expressed suture, in the lower part sparsely adpressed minute pilose, sulcate, immatures reddish-brown spotted, mature ones light-brown. Seeds angular-reniform, brownish-black, shining, 2.5 mm long, 1.5–2 mm wide. Fl. VI, fr. VII. (Photo on p. 53)

**Holotype:** Armenia, Gegharkunik region, Vardenis districtis, vicinity of Sotk vil., near Sotk river, subalpine meadow, 2300 m a. s. l., 29.VII.2009, I. Arevschatian (ERE 170011).

**Paratypi:** Armenia, Vardenis region, in 2–3 km from v. Sotk towards mine, S-W eroded slope, 2100 m a.s.l., 3.VI.1989, I. Gabrielyan (ERE 170013); Armenia, Vardenis region, v. Sotk, near the office of minecompany, down along the

river Sotk, near bridge, subalpine meadow, 2300 m a.s.l., 5.V.2009, G. Oganezova (ERE 170012).

**Habitats:** In subalpine meadows, 2100–2300 m a. s. l.

**Area geographica:** Endemic of Armenia: Vardenis mountain range. Sevan floristic region.

**Affinity:** The taxon differs from the close species *Astragalus montis-aquili* Grossh. by dark-green (not glaucous) leaves, by leaflets always glabrous from the upper surface (not pubescent), obtuse near apex (not emarginate), roundish-elliptic or elliptic (not obovate), in 7–15 pairs (not in 5–10 pairs), 1.5–4 mm long, 1–2 mm wide (not 2–6 mm long, 2–4 mm wide). From *A. sanguinolentus* M. Bieb. differs by peduncles 1.7–3.5 cm long (not 5–15 cm long); by claw almost equal the lamina (not 3 times shorter than lamina); by linear, slightly compressed-cylindrical (not broadly lanceolate, compressed) legumes; by slightly expressed suture on the dorsal side (not thickened dorsal and ventral sutures). From *A. czorochensis* Charadze differs by leaflets in 7–15 pairs (not in 5–8 pairs); by peduncles 1.5–3.5 (not 5–10) cm long; by calyx 8–12 (not 12–15) mm long; by whitish (not purple) corolla; by broadly cuneate (not narrowly cuneate) claw; by linear-cylindrical (not lanceolate, slightly flattened) legumes.

**Affinitas:** Differentia a speciebus proximis: a *Astragalo montis-aquali* Grossh. – folia atro-virida (non glauca), foliola rotundate-elliptica vel elliptica (non obovata), 7–15 (non 5–10) juga, 1.5–4 (non 2–6) mm lg. et 1–2 (non 2–4) mm lt., supra glabra (non pubescens), apex foliorum obtusa (non emarginata); a *A. sanguinolento* M. Bieb. – pedunculi 1.7–3.5 (non 5–15) cm lg., unguis vexilli quam lamina vix longior (non triplo brevior), legumina lineari-cylindracea, leviter compressa (non compressa, late lanceolata), sutura tenuis, solum dorsalis (non incrassatis dorsalis et ventralis); *A. czorochensi* Charadze – foliola 7–15 (non 5–8) juga, pedunculi 1.7–3.5 (non 5–10) cm lg., calyx 8–12 (non 12–15) mm lg., corolla albida (non purpurea), unguis vexilli late (non anguste) cuneatia, legumina lineari-cylindrica (non lanceolata, planiuscula).

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