

A new species of the genus *Diaphorus* from Tajikistan (Diptera: Dolichopodidae)

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Diaphorus tadjikorum sp. n., is described from Tajikistan (Dekhkonaabad, Parkhar Distr.).

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Revisions of Palaearctic species of the genus *Diaphorus* were carried out by Becker (1918) and Parent (1925). A significant material from Asian part of the Palaearctic Region allowed Stackelberg (1928) to fulfill a new revision of this genus in three years after the Parent's work with the description of new species from the Far East, *D. ussuriensis* Stackelberg and *D. parenti* Stackelberg.

Two new species have been described from the Amur Region and Sakhalin, *D. anatoli* Negrobov (1986) and *D. zlobini* Negrobov & Dukhanina (1987). Recently, 20 new *Diaphorus* species have been described from China (Yang & Grootaert, 1999; Yang, 2002).

Keys to the genus *Diaphorus* for the Palaearctic Region are contained in works of Becker (1918), Parent (1925, 1938) and Stackelberg (1928). Nowadays, about 40 Palaearctic species of *Diaphorus* are known; most of them are described from Central and Southern Europe. The world fauna numbers 246 species of this genus.

***Diaphorus tadjikorum* sp. n.** (Figs 1-4)

Holotype. ♂, **Tajikistan**, Kzyl-su River, Dekhkonaabad, Parkhar Distr., 15.V.1981 (leg. Grichanov).

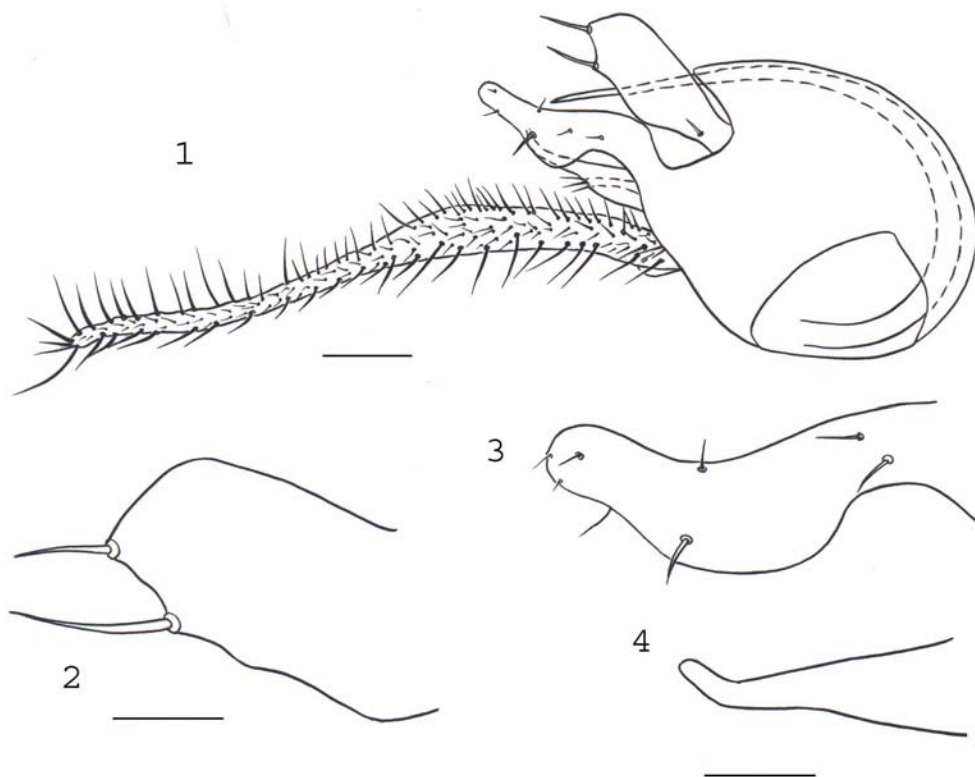
Paratypes. 6 ♂, 2 ♀, the same data as in holotype, deposited at Zoological Institute, St.Petersburg.

Description. **Male**. Frons metallic-green, densely white pollinose. Eyes separated on frons by strip narrower than distance between ocellar setae. Face densely white pollinose. Ratio of face length to width 3.0 : 1.6. Palps yellow, with black hairs. Proboscis brown. Antenna dark brown. Postpedicel transversely ovate, rounded at apex. Ratio of antennal stylus to length of postpedicel to its width 5.7 : 0.5 : 0.9. Postocular setae white.

Thorax shining green, grey pollinose. Propleura with black setae. Five dorsocentral setae. Scutellum with two strong and two weak setae. Legs yellow. Coxae covered with black setae. Middle and hind coxae metallic green, with brownish tint. Apices of posterior fore tarsi barely darkened; pulvilli white. Fore femur with anteroventral row of black setae not longer than diameter of femur. Fore tibia without strong setae, with posteroventral row of short erect setae. Segments of fore tarsus with posteroventral row of short erect setae. Pulvilli on fore tarsus longer than 5th tarsomere. Length ratio of fore tibia to tarsus (segments from 1st to 5th) to pulvilli 8.4 : 4.5 : 2.2 : 1.7 : 1.4 : 1.1 : 1.4. Middle femur with several black posteroventral subapical short setae. Middle tibia with one anterodorsal and three posterodorsal short setae. Middle tarsus with two claws. Length ratio of middle tibia to tarsus (segments from 1st to 5th) 9.3 : 5.6 : 2.7 : 2.0 : 1.2 : 1.0. Hind femur with several black posteroventral subapical short setae. Hind tibia with one anterodorsal, 7-9 posterodorsal setae and with posterior row of short erect setae. Hind tarsus with two claws. Length ratio of hind tibia to tarsus (segments from 1st to 5th) 12.0 : 3.9 : 3.4 : 2.6 : 1.4 : 1.0.

Wings with yellow setulae. Ratio of parts of costa from R_{2+3} to M_{1+2} 3.1 : 2.2. R_{4+5} and M_{1+2} parallel at wing apex. Ratio of crossvein *m-cu* to apical part of CuA_1 2.6 : 6.1. Haltere yellow. Lower calypter with brown cilia.

Abdomen mostly metallic green; 2nd segment mostly yellow, with dark distodorsal stripe; 3rd segment mostly yellow, except distal half of tergite; 1st and partly 4th sternites yellow. 8th segment with four strong setae. Cercus yellow, long, bandlike.



Figs 1-4. *Diaphorus tadzhikorum*, sp. n., male. 1, hypopygium, lateral view; 2, epandrial lobe; 3, ventral lobe of surstylus; 4, dorsal lobe of surstylus. Scales: 0.1 mm (1), 0.05 mm (2-4).

Female differs in wider face and broad large palps. All tarsi with claws; anterior pulvilli short. Femora without long hairs. Fore and hind tibiae without erect hairs. Fore tibia with 1 anterodorsal seta. Middle tibia with one anterodorsal, two posterodorsal and one ventral setae. Hind tibia with two anterodorsal and 5-6 posterodorsal setae.

Length (mm): body 3.7, wing 3.6.

Etymology. The species is named after the country of origin.

Comparison. The new species keys out to *Diaphorus hoffmanseggii* Mg. (Stackelberg, 1928; Parent, 1938) as follows.

- 0. Hind femur with brown spot in distal half; fore tibia with long cilia ***D. hoffmanseggii*** Mg.
- Hind femur without dark spot; fore tibia without long cilia ***D. tadzhikorum*** sp. n.

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