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A new species of the genus *Schenkia* FÖRSTER from China (Hymenoptera, Ichneumonidae, Cryptinae)

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Abstract

A new species of Cryptinae (Ichneumonidae) is described from Heilongjiang Province, the Palearctic part of China: *Schenkia tuberculata* SHENG sp. nov.

Key words: Hymenoptera, Ichneumonidae, *Schenkia*, new species, China.

Zusammenfassung

Es wird eine neue Cryptinae-Art (Ichneumonidae) aus der Provinz Heilongjiang, dem paläarktischen Teil von China, beschrieben: *Schenkia tuberculata* SHENG sp. nov.

Introduction

Schenkia FÖRSTER, 1869 belongs to the subfamily Cryptinae in the Family Ichneumonidae with 22 species. 4 of them are known from the Eastern Palearctic Region, 13 from the Western Palearctic Region and 6 from the Nearctic Region. In the present study, a new species belonging to the Eastern Palearctic fauna was found and is described below. The holotype is deposited in the Insect Museum, General Station of Forest Pest Management (GSFPM), State Forestry Administration, Shenyang, Liaoning, P. R. China.

Schenkia tuberculata SHENG, sp.nov. (Figs 1-2)

♀: Body about 6.8 mm long. Fore wing about 6.0 mm long. Ovipositor sheath about 2.0

mm long.

Head: Face 2.4 times wider than long, strongly convex centrally (fig. 1), its upper end reaching to lower margin of antennal sockets, slightly glossy, with fine and unclear punctures. Sublateral side below antennal sockets concave with fine leathery texture. Clypeal suture distinct. Clypeus evenly convex, smooth, with very sparse, shallow and fine punctures, its median section of front margin truncated, lateral section weakly fringed. Mandibles with fine punctures and short hairs. Upper tooth of mandible equal to lower tooth. Cheek with fine granulose texture. Malar space about 1.3 times as long as basal width of mandible. Temple glossy, with very sparse and fine punctures, straightly convergent backwards. Vertex nearly glossy, with fine granulose texture and very sparse and fine punctures, hind portion above occipital carina weakly concave. Postocellar line about 0.85 times as long as ocular-ocellar line. Frons weakly concave, with the same texture as vertex. Antenna relatively short, with 25 flagellomeres, median portion weakly thick and flattened ventrally. Occipital carina complete.

Mesosoma: Front margin of pronotum smooth, lateral concave with short dense transverse wrinkles, hind portion slightly rough, hind margin with indistinct transverse wrinkles. Epomia indistinct. Mesoscutum glossy, with sparse, shallow and fine punctures. Notaulus unclear, only front portion with vestige. Scutellum glossy, with very sparse and fine punctures. Postscutellum smooth, transverse, its anterolateral portion deeply concave. Mesopleuron glossy, very sparsely and finely punctate, central and lower hind portion slightly rough. Prepectal carina reaching to subtegular ridge. Speculum small. Mesopleural fovea consisting of a distinct horizontal groove. Anterior half of sternaulus distinct, hind half very weak. Metapleuron glossy, with relative sparse fine punctures, lower hind portion slightly coarse. Submetapleural carina distinct. Wings hyaline, slightly brownish. Nervulus opposite basal vein. Areolet pentagonal, receiving second recurrent vein at its center. Second intercubitus very weak. Postnervulus intercepted below its middle. Apical half of mediella arched. Nervellus approximately vertical, intercepted at lower 0.15. Legs relatively strong. Outer apical portion of coxa concave. Propodeum nearly glossy, anterior portion with weakly leathery texture, hind portion slightly coarse. Without basal transverse carina. Median longitudinal carinae approximately parallel (fig. 2). Median section of apical transverse carina strongly arched forward. Propodeal spiracle elliptic.

Metasoma: Tergites almost glossy except postpetiole, and second tergite with fine leathery texture. Median portion of first tergite arched. Median dorsal carina very weakly present at basal portion. Dorsolateral carina complete. Spiracle very small, at apical 0.3 of tergite. Second tergite 0.7 times as long as apical width, strongly widening backwards, its apical width 1.75 times as wide as basal width. Subapex of ovipositor thick. Apical portion of ventral valve with 2 distinct vertical ridges.

Colour black. Base of flagellum 1, apex of 5 and 6 to 9 ivory-white ventrally. Basal end of femora red. Apexes of front and middle femora, middle tibiae and tarsi more or less blackish brown. Front tarsi puce. 3 to 4 of middle and hind tarsi whitish yellow. Hind half of tergite 1 and tergites 2 to 3 red. Stigmata brown. Veins darkish brown.

Holotype ♀: China, Heilongjiang Province, Daxing'anling, Aug.20.2001, D. HAO.

Etymology: Specific name derived from the face being strongly convex centrally.

Diagnosis: This new species is similar to *S. opacula* (THOMSON, 1883), but it can be

distinguished from the latter by the mesopleuron with very sparse and fine punctures, the tergites without wrinkles, tergite 4 black, hind tarsi 3 to 4 whitish yellow. *S. opacula* with mesopleuron and tergites with fine wrinkles, tergite 4 red, hind tarsi usually swarthy.

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Figs 1-2 *Schenkia tuberculata* SHENG sp. nov. - 1: face; 2: Propodeum.

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