

SHORT COMMUNICATION

N. Samin¹⁾, N. Bagriacik²⁾, M. Shojai¹⁾. TRIGONALYIDAE (HYMENOPTERA) IS NEWLY RECORDED FAMILY FROM IRAN. – Far Eastern Entomologist. 2010. N 219: 9–10.

Summary. The family Trigonalidae with two species: *Pseudogonalos hahnii* (Spinola, 1840) and *Taeniogonalos fasciata* (Strand, 1913) is newly recorded from Iran.

Key words: Hymenoptera, Trigonalidae, Iran.

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Резюме. Семейство Trigonalidae с двумя видами: *Pseudogonalos hahnii* (Spinola, 1840) и *Taeniogonalos fasciata* (Strand, 1913) впервые указывается для Ирана.

INTRODUCTION

Trigonalidae are the parasitic wasp with 88 species in 16 genera distributed worldwide, except arctic and alpine zones, but most abundant in the tropics (Weinstein & Austin, 1991; Carmean & Kimsey, 1998). Twelve species in five genera are known from Palaearctic region (Lelej, 2003). The female lays the eggs on foliage, and for the hatching the eggs must be consumed by herbivorous caterpillar or sawfly larva (Lelej, 2003). Yamane (1973) and Weinstein & Austin (1991) gave the review of the trigonalids biology. The phylogeny and reclassification of the family based on world material has been made by Carmean & Kimsey (1998). Before no the family was unknown from Iran.

MATERIALS AND METHODS

The specimens of this research were collected by Malaise trap established in Arasbaran (East Azerbaijan) and by sweeping in Sistan & Baluchestan province. The identification of material has been confirmed by the second author.

Genus *Pseudogonalos* Schulz, 1906

Pseudogonalos hahnii (Spinola, 1840)

Trigonalis (!) *hahnii* Spinola, 1840: 1.

Pseudogonalos hahnii: Marshakov, 1981: 104; Tsuneki, 1991: 3; Lelej, 1995: 12; Carmean & Kimsey, 1998: 72.

MATERIAL. East Azerbaijan prov.: Arasbaran, 839 m, Malaise trap, 2 ♀, 24.VIII 2007.

DISTRIBUTION. Kazakhstan, Mongolia, North-East China, Russia (European part, Altai, Irkutsk oblast, Transbaikalian krai, Amurskaya oblast, Primorskii krai), Ukraine, Western Europe (Lelej, 2003).

Genus *Taeniogonalos* Schulz, 1906

Taeniogonalos fasciata (Strand, 1913)

Poecilogonalos fasciata Strand, 1913: 97; Lelej, 1995: 14.

Poecilogonalos magnifica Teranishi, 1929: 144; Marshakov, 1981: 105; Tsuneki, 1991: 50; Lelej, 1995: 14. Synonymized by Carmean & Kimsey, 1998.

Taeniogonalos fasciata: Carmean and Kimsey, 1998: 67; Lelej, 2003: 5.

MATERIAL. Sistan & Baluchestan prov.: Saravan, 1155 m, sweeping, 1 ♀, 6.X 2006.

DISTRIBUTION. Russia (Primorskii krai), China (Anhui, Zhejiang, Taiwan), Japan (Honshu, Kyushu), Korea, Malaysia, Indonesia (Lelej, 2003).

DISCUSSION

In relation to the taxonomy of Trigonalidae, there are ambiguities in some genera in the Trigonalidae, including *Pseudogonalos* Schulz, 1906 and *Mimelogonalos* Schulz, 1907. This approach was taken because they do not possess the apomorphies defining the two tribes and, further, they have no characters uniting them beyond those of the subfamily (Carmean & Kimsey, 1998). More work on the Asian fauna is required to develop a more satisfactory understanding of the basal relationships within the Trigonalidae.

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