The new record for *Teratolytta flavipes* of blister beetles (Coleoptera: Meloidae) from Iran

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**Abstract:** During the investigation in spring 2010 (April to June) while collecting blister beetles from Namak koor, at Arak county, a few specimens of *Teratolytta* were collected among the other species, which is closely agree with *Teratolytta flavipes*. This is the first record of this species of *Teratolytta flavipes* from Iran.

**Key words:** Meloidae, Blister beetles, *Teratolytta flavipes*, new record, Iran

**Introduction**

According to the taxonomic novelties belong, they are 17 species recognized and reported from genus *Teratolytta*. One of which is the *Teratolytta flavipes* reported from Turkey, Lebanon and Syria (Bologna and Andrea, 2006). During the faunistical study of Meloidea in Arak county in one of the sampling points called Namak koor region (spring 2010) among the collected Lyttni tribe, one new species from genus Tratolytta was identified which is closely agree with *Teratolytta flavipes* (Pinto and Bologna, 1999; Bologna and Pinto, 2002). It is the first even report for this species from Iran (Mirzayans, 1969).

**Materials and Methods**

Namak koor region is located 37° 69′ North latitude and 36° 25′ East longitude, approximately 30 km far from west Arak (Fig. 1). The samples were collected between 10am to 15pm (April).
by Forceps and hands covered with gloves, the collected blister beetles kept in label Wide mouth glass and freezes in -5°C. For feature taxonomical study used Stereo microscope in Arak University laboratory. To preserving the collections used the methods suggested by Borror et al. (1989), and to study the genitalia as identification key used the methods suggested by Gupta (1971).

Observation and results:

The description of collected new species in males is as under:
- Body length 12-14 mm.
- Green metallic body covered with gold long hairs.
- Elytra Monochromatic metallic green with golden short hairs.
- Pronotum and head with gold short hair.
- Legs yellowish orange in color.
- Head small.
- Maxillary with four segments
- Galea unmodified.
- Labrum longer, and extended beyond basal half of mandibles.
- Eyes small, antenna close to eyes placed above frontal suture.
- Elytra completed and convex.
- Mesosternum unmodified without scutum.
- Mesepisterna with furrowed and anteriorly border.
- Male metatrochanters depressed and with a central carina, with a great laminar appendix apically bearing a tuft of setae (Fig. 2 B).
- Metasternal tubercles oval and elongate.
- Male’s mesotarsomere I, basally not very big.
- Aedeagus with two subequal hooks (Fig. 2 A).
- Endophallic hook rarity angulated and curved at apex (Fig. 2 A).

Female description:
- Body length 14-15 mm.
- Green metallic body covered with gold long hairs
- Elytra Monochromatic metallic green
- Female valvifer and stylus with nearly straight and long hairs (Fig. 2C).

Discussion

The above description is closely agrees with Teratolytta flavipes (Bologna and Andrea, 2006). As Teratolytta flavipes is already reported from Turkey by (Bologna and Andrea, 2006), and that country is situated on the north west of Iran and both countries have 486 km common border with each other the presence of this species is justified in the west of Iran.

References