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New records for Turkish Tachinidae (Diptera) fauna

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Abstract: Nine Tachinidae species were recorded for the first time in Turkey. These are *Medina melania* (Meigen), *Acemya acuticornis* (Meigen), *Allophorocera ferruginea* (Meigen), *Graphogaster vestita* Rondani, *Phasia pandellei* (Dupuis), *Xysta holosericea* (Fabricius), *Leucostoma tetraptera* (Meigen), *Cylindromyia interrupta* (Meigen), and *Besseria lateritia* (Meigen).

Key words: Tachinidae, new records, Turkey

Türkiye Tachinidae (Diptera) familyası için yeni kayıtlar

Özet: Türkiye faunası için yeni olan 9 Tachinidae (Diptera) türü saptanmıştır. Bunlar: *Medina melania* (Meigen), *Acemya acuticornis* (Meigen), *Allophorocera ferruginea* (Meigen), *Graphogaster vestita* Rondani, *Phasia pandellei* (Dupuis), *Xysta holosericea* (Fabricius), *Leucostoma tetraptera* (Meigen), *Cylindromyia interrupta* (Meigen) ve *Besseria lateritia* (Meigen)'dir.

Anahtar sözcükler: Tachinidae, yeni kayıtlar, Türkiye

The Tachinidae is the largest family of Diptera (among the suborder Brachycera) with 10,000 described species in the world (Irwin et al., 2003). They are parasitoids on various species of Lepidoptera, Hymenoptera, Coleoptera, Heteroptera, Orthoptera, and a few others (Tschorsnig and Herting, 1994). However, centipedes, spiders (Vincent, 1985), and scorpions are also parasitized by some Tachinidae species (Wood, 1987; Williams et al., 1990). Before this study, nearly 200 Tachinidae species were known in Turkey (Kara and Aksu, 2008; Özbek et al., 2009; Tunca et al., 2009). The treated species are mostly mentioned in Tschorsnig and Herting (1994).

Summarized information on hosts, habitats, and phenology in Central Europe can be found in this paper. Detailed studies should be carried out on this family because tachinids in many of localities of Turkey have not studied so far. The Tachinidae samples were collected by the third author from western Black Sea region of Turkey. The materials were obtained from grass-type plants using a sweeping net. The arrangement of subfamilies, tribes, and species follows the systematic catalogue of Herting and Dely-Draskovits (1993). The species were identified by the first and second authors by using Mesnil (1944-1975), Tschorsnig and Herting (1994),

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and Tschorsnig and Richter (1998). The specimens were deposited at the Entomology Laboratory in Gaziosmanpaşa University, Agricultural Faculty, Plant Protection Department, Tokat, Turkey.

Subfamily: Exoristinae

Tribe: Blondeliini

Medina melania (Meigen)

Material examined: Bartın (Safranbolu – Abdipaşa, 19.07.2004, 1♀).

Distribution: Andorra, Austria, Belarus, Czech Republic, French mainland, Germany, Hungary, Italian mainland, Poland, Russia Central, Russia Northwest, Slovenia, Spanish mainland, Switzerland (Tschorsnig et al., 2004).

Tribe: Acemyini

Acemya acuticornis (Meigen)

Material examined: Zonguldak (Göbü, 13.06.2005, 1♂).

Hosts: Numerous species of Acrididae (Orthoptera) (Tschorsnig and Herting, 1994).

Distribution: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Finland, French mainland, Germany, Greek mainland, Hungary, Italian mainland, Macedonia, the Netherlands, Poland, Romania, Russia Central, Russia Northwest, Slovakia, Slovenia, Spanish mainland, Sweden, Switzerland, Ukraine (Tschorsnig et al., 2004).

Tribe: Goniini

Allophorocera [syn. *Erycilla*] *ferruginea* (Meigen)

Material examined: Zonguldak (Emirköy, 13.06.2005, 1♂).

Distribution: Austria, Belgium, Britain I., Bulgaria, Channel Is., Czech Republic, Danish mainland, Estonia, Finland, French mainland, Germany, Hungary, Italian mainland, the Netherlands, Norwegian mainland, Poland, Romania, Russia East, Russia North, Russia Northwest, Slovakia, Sweden, Switzerland, Ukraine (Tschorsnig et al., 2004).

Subfamily: Tachininae

Tribe: Neaerini

Graphogaster vestita Rondani

Material examined: Bartın (Güzelcehisar – Merkez, 17.07.2004, 1♀)

Distribution: Bulgaria, Croatia, Greek mainland, Italian mainland, Sicily, Spanish mainland, Ukraine (Tschorsnig et al., 2004).

Subfamily: Phasiinae

Tribe: Phasiini

Phasia pandellei (Dupuis)

Material examined: Zonguldak (Muslu 15.06.05, 1♂; Emirköy, 13.06.05, 1♀; Karabük (Yığınot – Ovacık, 07.08.2004, 1♂); Kastamonu (Cide, 26.06.05, 1♂); Bartın (Aşağıköy – Ulus, 20.07.2004, 1♀; Amasra, 17.06.05, 1♀).

Distribution: Bulgaria, Croatia, French mainland, Germany, Greek mainland, Hungary, Italian mainland, Portuguese mainland, Slovakia, Spanish mainland, Switzerland (Tschorsnig et al., 2004).

Xysta holosericea (Fabricius)

Material examined: Karabük-Kapucular (Eskipazar, 08.08.2004, 1♂), Zonguldak (Ereğli, 28.06.2005, 1♂); Karabük (Çilekli – Eflani, 05.08.2004, 1♂).

Distribution: Balearic Is., Bulgaria, Croatia, Czech Republic, Dodecanese Is., French mainland, Hungary, Italian mainland, Malta, Moldova, Portuguese mainland, Romania, Russia South, Sardinia, Sicily, Slovakia, Spanish mainland, Ukraine, Yugoslavia (Tschorsnig et al., 2004).

Tribe: Leucostomatini

Leucostoma tetraptera (Meigen)

Material examined: Karabük (Kapucular – Eskipazar, 08.08.2004, 1♂).

Distribution: Andorra, Austria, Bulgaria, Czech Republic, French mainland, Germany, Greek mainland, Hungary, Italian mainland, Poland, Portuguese mainland, Russia Central, Russia East, Russia South, Sardinia, Slovakia, Spanish mainland, Ukraine, Yugoslavia (Tschorsnig et al., 2004).

Tribe: Cylindromyiini

Cylindromyia interrupta (Meigen)

Material examined: Kastamonu (Şenova – Araç, 11.08.04, 1♂).

Distribution: Austria, Belgium, Bosnia and Herzegovina, Britain I., Bulgaria, Corsica, Croatia, Czech Republic, Danish mainland, Estonia, Finland,

French mainland, Germany, Hungary, Italian mainland, Lithuania, the Netherlands, Norwegian mainland, Poland, Romania, Russia Central, Russia East, Russia Northwest, Slovakia, Slovenia, Spanish mainland, Sweden, Switzerland, Ukraine, Yugoslavia (Tschorsnig et al., 2004).

Besseria lateritia (Meigen)

Material examined: Kastamonu (Gökçevre - İnebolu 25.09.2004, 1♂).

Hosts: *Psacasta exanthematica* Scop. (Het.: Pentatomidae) (Tschorsnig and Herting, 1994).

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- Distribution: Austria, Bulgaria, Croatia, Czech Republic, French mainland, Greek mainland, Hungary, Italian mainland, Poland, Portuguese mainland, Romania, Russia Central, Russia East, Sicily, Spanish mainland, Ukraine (Tschorsnig et al., 2004).

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