

New records for Turkish Tachinidae (Diptera) fauna from Erciyes Mountain, Kayseri

Turgut ATAY^{1*}, Kenan KARA¹, Mustafa ÖZDEMİR²

¹Department of Plant Protection, Faculty of Agriculture, Gaziosmanpaşa University, Tokat, Turkey

²Plant Protection Central Research Institute, Ankara, Turkey

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Abstract: Four Tachinidae species were recorded for the first time in Turkey. They are *Aphria longirostris*, *Belida angelicae*, *Winthemia quadripustulata*, and *Nowickia rondanii*.

Key words: Tachinidae, new records, Erciyes Mountain, Turkey

Tachinidae is one of the most diverse dipteran families, with more than 8000 species (Ziegler, 1998). Overall, the Tachinidae are considered beneficial, as most species are primary parasitoids of plant pests. Many tachinids have been used successfully in biological control programs (Grenier, 1988; Stireman et al., 2006). Although the history of studies on Tachinidae fauna is not very long in Turkey, there have been a number of detailed studies about the family (Doğanlar, 1982a, 1982b; Kara, 1999a, 1999b, 2001a, 2001b, 2002; Kara and Alaoglu, 2002; Kara and Tschorsnig, 2003; Kara et al., 2010; Atay and Kara, 2014). However, very considerable research still needs to be done to describe the complete diversity and distribution of Tachinidae species in Turkey.

Erciyes is the highest mountain in central Anatolia and ranks as the fifth highest in Turkey. It is located 25 km south of Kayseri. Only a few Tachinidae species have been reported from there (Herting and Del-Draskowits, 1993).

This current study was carried out on Erciyes Mountain near Kayseri, Turkey, from 2013 to 2014. The specimens were collected with an insect collection net from forests, weeds, and ornamental plants. The tachinids were identified by using the keys of Mesnil (1944–1965), Tschorsnig and Herting (1994), and Tschorsnig and Richter (1998). Nomenclature and arrangement of the tachinids followed Herting and Dely-Draskovits (1993). The specimens were deposited at the Entomology Laboratory of Gaziosmanpaşa University, Agriculture Faculty, Plant Protection Department, Tokat, Turkey.

Four species belonging to 4 genera of the Tachinidae were identified and are listed, along with their world distribution.

Subfamily: Exoristinae

Tribe: Blondeliini

Belida angelicae (Meigen, 1824)

Material examined: Kayseri: Hacilar, Erciyes Mountain, 38°35'43"N, 35°29'46"E, 1868 m, 10. VIII. 2013, 1♂.

Distribution: East and West Asia, Siberia (Herting and Dely-Draskovits, 1993); East, North, South, and West Europe (Tschorsnig et al., 2004).

Tribe: Winthemiini

Winthemia quadripustulata (Fabricius, 1794)

Material examined: Kayseri: Hacilar, Erciyes Mountain, 38°36'26"N, 35°30'28"E, 1861 m, 10. VIII. 2013, 2♂♂.

Distribution: Central, East, and West Asia, Siberia (Herting and Dely-Draskovits, 1993); East, North, South, and West Europe (Tschorsnig et al., 2004).

Subfamily: Tachininae

Tribe: Tachinini

Nowickia rondanii (Giglio-Tos, 1890)

Material examined: Kayseri: Hacilar, Erciyes Mountain, 38°35'42"N, 35°29'46"E, 1861 m, 15. VIII. 2014, 1♂1♀.

Distribution: Central and West Asia, Siberia (Herting and Dely-Draskovits, 1993); East, South, and West Europe (Tschorsnig et al., 2004).

Tribe: Leskiini

Aphria longirostris (Meigen, 1824)

Material examined: Kayseri: Hacilar, Erciyes Mountain, 38°34'27"N, 35°21'02"E, 1936 m, 5. IX. 2013, 2♀♀.

* Correspondence: turgut.atay@gop.edu.tr

Distribution: East and West Asia, Siberia (Herting and Dely-Draskovits, 1993); East, North, South, and West Europe (Tschorsnig et al., 2004).

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