

Checklist of Turkish Tachinidae (Insecta, Diptera) with New Records

Kenan KARA¹

Hans-Peter TSCHORSNIG²

Turgut ATAY^{3*}

^{1,3}Plant Protection Department, Faculty of Agriculture, Tokat Gaziosmanpaşa University, 60100 Tokat/Taşlıçiftlik, TURKEY

²Department of Entomology, State Museum of Natural History, Stuttgart, 70191, GERMANY
e-mails: ¹kenan.kara@gop.edu.tr, ²hanspeter.tschorsnig@smns-bw.de,
^{3*}turgut.atay@gop.edu.tr

ORCID IDs: ¹0000-0003-0439-5639, ³0000-0002-9074-0816

ABSTRACT

A checklist of the Turkish Tachinidae, with a total of 341 species is presented for the first time. The subfamily Exoristinae, with 139 species, has the highest representativeness, while the other subfamilies, Tachininae, Phasiinae and Dexiinae, with 91, 63 and 48 species, respectively. Among them, eight species are newly recorded for the Turkish Tachinidae fauna. These species are *Exorista deligata* Pandellé, 1896, *Lecanipa leucomelas* (Meigen, 1824), *Lomachantha rufitarsis* Villeneuve, 1912, *Nowickia ferox* (Panzer, 1809), *Germaria ruficeps* (Fallén, 1820), *Solieria vacua* (Rondani, 1861), *Eriothrix argyreata* (Meigen, 1824) and *Opesia grandis* (Egger, 1860). The informative label data of newly recorded species was also provided.

Key words: Diptera, Tachinidae, checklist, new records, Turkey

INTRODUCTION

The Tachinidae are among the largest families of Diptera with currently about 8540 known valid species worldwide and more than 2100 described species in the Palaearctic region (O'Hara, Henderson, & Wood, 2019). The family Tachinidae, comprising important biological control agents, has ecologic and economic importance in agriculture and forestry because all the species in this family act as parasitoids of insects and several other arthropods (Mellini, 1990; Stireman, O'Hara, & Wood, 2006). The most common hosts are larvae of Lepidoptera that feed on foliage, but tachinids also attack a range of other insect orders, especially Heteroptera (adults and nymphs), Coleoptera (larvae and adults) and Hymenoptera (Symphyta larvae) (Wood, 1987). However, the hosts of many tachinid species are still unknown. Herting (1960) provided details on the biology of West Palaearctic species. Other detailed information on West Palaearctic hosts can be found in Tschorsnig and Herting (1994), Kara & Tschorsnig (2003), Vaňhara, Tschorsnig, Herting, Mückstein, & Michalková (2009), and Cerretti and Tschorsnig (2010). Recently, the most comprehensive catalogue about Palaearctic hosts was prepared by Tschorsnig (2017). It comprises 827 tachinid species reared from 2672 arthropod hosts belonging to eleven insect orders and one chilopod order.

A few detailed researches have been carried out on determining hosts of tachinids in Turkey. The studies which have the largest scope are Doğanlar (1975), Kara (1998) and Atay (2011). In addition, Öncüer (1991) has prepared a parasite and predator catalogue of plant pests in Turkey and gives a separate chapter for tachinids. Kara & Tschorsnig (2003) and Kara, Atay, & Balkan (2014) have prepared a comprehensive catalogue containing tachinid/hosts couples identified in Turkey.

The Turkish tachinid fauna is not known in detail. The majority of the regions have not yet been studied. However, some important studies were provided (Doğanlar, 1982a; 1982b; Kara, 1999a; 1999b; 2001a; 2001b; Kara, 2002; Kara & Alaoğlu, 2002; Korkmaz, 2007; Kara, Korkmaz, & Kırkoğlu, 2010; Atay & Kara 2014; Balkan, Kara, & Atay, 2015; Lakin, Kara, & Atay, 2016b; Atay, 2017). Finally, Lutovinovas et al (2018) listed 139 tachinid species from southwestern Turkey, 52 of them being the first new records for Turkey. Further investigations are necessary to understand the species diversity in Turkey. This checklist was compiled to provide a reference for future studies.

MATERIAL AND METHODS

This checklist of Turkish Tachinidae is based on records of both old and recent literature. All relevant papers from 1930 to 2019 have been examined. The arrangement and (mostly) the nomenclature of tachinids follows Herting & Dely-Draskovits (1993). For some records, O'Hara, Henderson, & Wood (2019) was taken as reference. Several errors in previous papers have been corrected. Particular emphasis is given to species whose type locality is Turkey. The new records were identified using the keys of Mesnil (1944-1965), Mesnil (1980), Tschorsnig and Herting (1994) and Tschorsnig and Richter (1998).

RESULTS

Subfamily Exoristinae (139 species)

Exorista amoena Mesnil, 1960: Özbek & Çoruh 2012.

Exorista larvarum (Linnaeus, 1758): Doğanlar, 1982a; Herting, 1983b; Kansu, Kılınçer, Uğur, & Gürkan, 1986; Çobanoğlu, 1994; Tuncer & Ecevit, 1996; Tschorsnig & Herting, 1997; Kara, 1998; Anay, 2000; Kara & Özdemir, 2000; Tschorsnig, 2005; Kara, Gözüaçık, & Mart, 2007; Korkmaz 2007; Kaya & Kornoşor, 2008; Gözüaçık, Mart, & Kara, 2009; Özbek & Çoruh, 2012; Lutovinovas et al, 2018.

Exorista rossica Mesnil, 1960: Doğanlar, 1975; 1982a; Herting, 1983b; Herting & Dely-Draskovits, 1993; Kılıç & Alaoğlu, 1996; Kara & Alaoğlu, 2001; Sertkaya & Bayram, 2005.

Exorista segregata (Rondani, 1859): Schimitschek, 1944; Herting, 1960; 1983b; Gürses, 1975; Doğanlar, 1982a; Herting, 1983b; Kılıç & Alaoğlu, 1996; Kansu et al, 1986; Kara & Alaoğlu, 2001; Avcı & Kara, 2002; Avcı & Oğurlu, 2002; Mückstein, Tschorsnig, & Vaňhara, 2004; Tschorsnig, 2005; Avcı, 2009; Akdağcık, 2010; Bartsch & Tschorsnig, 2010; Atay, 2011; Özbek & Çoruh, 2012; Atay & Kara, 2014; Lutovinovas et al, 2018.

Exorista sorbillans (Wiedemann, 1830): Çobanoğlu, 1994.

Exorista nova (Rondani, 1859): Herting, 1989; Mückstein et al, 2004; Kara, 2001a; Lutovinovas et al, 2018.

Exorista civilis (Rondani, 1859): Balkan et al, 2015; Lutovinovas et al, 2018.

Exorista deligata Pandellé, 1896

Material examined: **Bartın:** Amasra-Merkez, 41°44'01"N, 32°25'14"E, 266 m, 19.07. 2012, 1♂, leg. T.ATAY, **Kastamonu:** Cide - Koçlar, 41°56'14"N, 33°06'49"E, 295 m, 19.07. 2012, 1♂, leg. T.ATAY.

This tachinid is recorded for the first time from Turkey.

Exorista kugleri Mesnil, 1960: Lutovinovas et al, 2018.

Exorista xanthaspis (Wiedemann, 1830): Steiner, 1937; Kansu, 1955; Doğanlar, 1975; Efil & Kara, 2004; Gözüaçık & Mart, 2009; Gözüaçık et al, 2009.

Exorista mimula (Meigen, 1824): Kara & Alaoğlu, 2002; Balkan et al, 2015.

Exorista rendina Herting, 1975: Aydın, 1997.

Exorista rustica (Fallén, 1810): Steiner, 1937; Kara, 2001b; Kara & Alaoğlu, 2002; Korkmaz, 2007; Lutovinovas et al, 2018.

Chetogena acuminata Rondani, 1859: Kara, 1998; Kara & Özdemir, 2000; Kara & Alaoğlu, 2001; Aksu, 2005; Lutovinovas et al, 2018.

Chetogena nigrofasciata (Strobl, 1902): Herting, 1987.

Chetogena obliquata (Fallén, 1810): Kara, 2001a; Robertson & Shaw, 2012.

Diplostichus janitrix (Hartig, 1837): Tunca, Kara, & Özkan, 2009.

Phorocera assimilis (Fallén, 1810): Lutovinovas et al, 2018.

Phorocera grandis (Rondani, 1859): Kara, 2001a; Lutovinovas et al, 2018.

Bessa parallela (Meigen, 1824): Kansu et al, 1986; Erol & Yaşar, 1996; Kara, 1998; Kara & Özdemir, 2000.

Bessa selecta (Meigen, 1824): Robertson & Shaw, 2012.

Belida angelicae (Meigen, 1824): Atay, Kara, & Özdemir, 2015; Lutovinovas et al, 2018.

Meigenia dorsalis (Meigen, 1824): Lutovinovas et al, 2018.

Meigenia incana (Fallén, 1810): Balkan, 2014; Balkan et al, 2015.

Meigenia mutabilis (Fallén, 1810): Doğanlar, 1982a; Kara, 1998; Kara, 2001b; Atay, 2018; Lutovinovas et al, 2018.

Meigenia simplex Tschorsnig & Herting, 1998; Tschorsnig & Herting, 1998; Atay, 2011; Atay & Kara, 2014; Balkan, 2014; Balkan et al, 2015; Kara & Atay, 2015.

Conogaster pruinosa (Meigen, 1824): Doğanlar, 1982a.

Zaira cinerea (Fallén, 1810): Doğanlar, 1982a; Lutovinovas et al, 2018.

Medina luctosa (Meigen, 1824): Lutovinovas et al, 2018.

Medina melania (Meigen, 1824): Kara et al, 2010.

Medina separata (Meigen, 1824): Çoruh & Kara, 2011.

Istocheta longicornis (Fallén, 1810): Lutovinovas et al, 2018.

Lecanipa leucomelas (Meigen, 1824)

Material examined: Kastamonu: Azdavay - Alacık, 41°44'48"N, 33°28'07"E, 806 m, 18.07.2012, 3♂, leg. T.ATAY.

This tachinid is recorded for the first time from Turkey.

Oswaldia muscaria (Fallén, 1810): Lekin, 2014; Lekin, Atay, & Kara, 2016a.

Lomachantha rufitarsis Villeneuve, 1912

Material examined: Van: Çatak, 16.07. 2002, 1♂, leg. K.KARA.

This tachinid is recorded for the first time from Turkey.

Ligeria angusticornis (Loew, 1847): Lutovinovas et al, 2018.

Blondelia nigripes (Fallén, 1810): Doğanlar, 1982a; Herting, 1983b; Atay, 2011; Atay & Kara, 2014; Lutovinovas et al, 2018.

Blondelia pinivora (Ratzeburg, 1844): Bergström & Bystrowski, 2011.

Remarks: Turkish specimens reared from the cedar processionary moth *Thaumetopoea* [= *Traumatocampa*] *ispartaensis* Doğanlar & Avcı, 2001, published as *Blondelia nigripes* by Avcı & Kara (2002), turned out to be *B. pinivora* after revision of Bergström & Bystrowski (2011).

Blondelia angusticornis Herting, 1987: Herting 1987. - Type locality: Hakkari-Sat Mountain.

Compsilura concinnata (Meigen, 1824): Tuatay, Kalkandelen, & Aysev Çağatay, 1972; Öncüer, Yalçın, & Erkin, 1977; Doğanlar, 1982a; Kansu et al, 1986; Eroğlu, 1995; Kılıç & Alaoğlu, 1996; Tuncer & Ecevit, 1996; Tschorsnig & Herting, 1997; Kara, 1998; Kovancı, Gencer, & Kaya, 1999; Kara & Özdemir, 2000; Oğurlu, 2000; Kara, 2001b; Kara & Alaoğlu, 2001; Avcı & Oğurlu, 2002; Avcı & Kara, 2002; Aksu, 2005; Tschorsnig, 2005; Kaya & Kornoşor, 2008; Avcı, 2009; Akdağcık, 2010; Atay, 2011; Sullivan & Ozman-Sullivan, 2012; Sullivan, Karaca, Ozman-Sullivan, & Kara, 2012; Atay & Kara, 2014; Balkan, 2014; Balkan et al, 2015; Kaya, Cengiz, Çalıřkan, & Çalıřkan, 2016; Lutovinovas et al, 2018; Tek & Okyar, 2018.

Vibrissina turrita (Meigen, 1824): (Yıldız, 2018).

Acemya acuticornis (Meigen, 1824): Kara et al, 2010; Atay, 2017.

Acemya fishelsoni Kugler, 1968: Herting, 1985.

Acemya rufitibia (Von Roser, 1840): Lutovinovas et al, 2018.

Ceracia mucronifera Rondani, 1865: Lutovinovas et al, 2018.

Metacemya calloti (Séguy, 1936): Öncüer, 1991; Lutovinovas et al, 2018.

Paratryphera barbatula (Rondani, 1859): Özdemir, 1981; Çanakçıoğlu, 1993; Kara, 1998; Melan & Kara, 2004; Lutovinovas et al, 2018.

Atylomyia loewii Brauer, 1898: Lutovinovas et al, 2018.

Smidtia amoena (Meigen, 1824): Lutovinovas et al, 2018.

Winthemia cruentata (Rondani, 1859): Lutovinovas et al, 2018.

Winthemia pilosa (Villeneuve, 1910): Kara, 2001a.

Winthemia quadripustulata (Fabricius, 1794): Atay et al, 2015; Lutovinovas et al, 2018.

Nemorilla floralis (Fallén, 1820): Zeki, Özdemir, & Bozkurt, 1999; Kara & Alaoğlu, 2002; Lutovinovas et al, 2018; Tek & Okyar, 2018.

Nemorilla maculosa (Meigen, 1824): Kavut, Dinçer, & Karman, 1974; Doğanlar, 1982a; Herting, 1983b; Yabař & Zeren, 1987; Avcı & Özbek, 1990; Çanakçıoğlu, 1993; Aydın, 1997; Kara & Özdemir, 2000; Kara, 2001b; Efil & Kara, 2004; Lutovinovas et al, 2018.

Aplomya confinis (Fallén, 1820): Kara & Alaoğlu, 2002; Bolu & Çınar, 2005; Bolu & Kara, 2006; Kara & Aksu, 2007; Korkmaz, 2007; Lutovinovas et al, 2018.

Phebellia nigripalpis (Robineau-Desvoidy, 1847): Lutovinovas et al, 2018.

Nilea anatolica Mesnil, 1954: Doğanlar, 1975, 1982a; Herting & Dely-Draskovits, 1993. - Type locality: Akşehir-Konya.

Epicampocera succincta (Meigen, 1824): Kara, 2001b; Kara & Alaoğlu, 2002; Aksu, 2005; Korkmaz, 2007; Atay, 2017.

Buquetia musca Robineau-Desvoidy, 1847: Kara & Tschorsnig, 2003.

Phryxe caudata (Rondani, 1859): Tosun, 1977; Soydanbay, 1978; Herting, 1983b; Avcı & Kara, 2002; Avcı & Oğurlu, 2002; Kanat & Türk, 2002; Özdal, 2002; Özçankaya

& Can, 2004; Atay, 2011; Atay & Kara, 2014; Battisti et al, 2015; Lutovinovas et al, 2018.

Phryxe magnicornis (Zetterstedt, 1838): Kara & Özdemir, 2000; Kara, 2001b; Kaya & Kornoşor, 2008.

Phryxe prima (Brauer et Bergenstamm, 1889): Ford, Shaw, & Robertson, 2000; Korkmaz, 2007.

Phryxe vulgaris (Fallén, 1810): Tuatay et al, 1972; Öncüer et al, 1977; Tosun, 1977; Uzun, 1987; Avcı & Özbek, 1990; Tschorsnig & Herting, 1997; Kara, 1998; Atay, 2011; Atay & Kara, 2014; Kara & Özdemir, 2000; Lutovinovas et al, 2018.

Gymnophryxe inconspicua (Villeneuve, 1924): Rauther, 1930; Herting, 1983b; Herting & Dely-Draskovits, 1993.

Periarchiclops scutellaris (Fallén, 1820): Kara, 2001a.

Pseudoperichaeta nigrolineata (Walker, 1853): Çanakcioğlu, 1959; Özdemir, 1981; Herting, 1985; Herting & Tschorsnig, 1993; Kara, 1998; Melan & Kara, 2004; Lutovinovas et al, 2018.

Pseudoperichaeta palesioidea (Robineau-Desvoidy, 1830): Zeki et al, 1999; Kara & Alaoğlu, 2002; Özbek, 2008; Tozlu & Çoruh, 2011; Atay, 2017; Lutovinovas et al, 2018.

Lydella grisescens Robineau-Desvoidy, 1830: Kara & Alaoğlu, 2002.

Lydella thompsoni Herting, 1959: Özdemir, 1981; Kayapınar & Kornoşor, 1992; Herting & Tschorsnig, 1993; Kara & Özdemir, 2000; Melan & Kara, 2004; Lutovinovas et al, 2018.

Amphicestonia dispar Villeneuve, 1939: Kara, 2001a; Lutovinovas et al, 2018.

Chetina setigena (Rondani, 1861): Kara, 2001a; Korkmaz, 2007; Lutovinovas et al, 2018.

Cadurciella tritaeniata (Rondani, 1859): Kara, 2001b; Lutovinovas et al, 2018.

Drino atropivora (Robineau-Desvoidy, 1830): Bolu, Kara, Zirek, & Özaslan, 2015; Lutovinovas et al, 2018.

Drino galii (Brauer et Bergenstamm, 1891): Herting, 1984; Herting & Dely-Draskovits, 1993; Bayram, 1999; Lutovinovas et al, 2018.

Drino gilva (Hartig, 1837): Doğanlar, 1982a; Tunca et al, 2009.

Drino imberbis (Wiedemann, 1830): Doğanlar, 1975, 1982a; Herting, 1983b; Avcı & Özbek, 1990; Herting & Dely-Draskovits, 1993; Kara & Özdemir, 2000; Kara & Alaoğlu, 2001; Efil & Kara, 2004; Gözüaçık et al, 2009.

Drino inconspicua (Meigen, 1830): Steiner, 1937; Schimitschek, 1944; Doğanlar, 1975; 1982a; Herting, 1983b; Tschorsnig, 2005; Korkmaz, 2007; Avcı, 2009; Akıncı & Avcı, 2016; Lutovinovas et al, 2018.

Drino triplaca Herting, 1979: Herting, 1979.

Drino vicina (Zetterstedt, 1849): Doğanlar, 1982a; Aksu, 2005.

Carcelia bombylans Robineau-Desvoidy, 1830: Lutovinovas et al, 2018.

Checklist of Turkish Tachinidae (Insecta, Diptera) with New Records

Carcelia dubia (Brauer et Bergenstamm, 1891): Herting, 1984; Herting & Dely-Draskovits, 1993; Lutovinovas et al, 2018. - Type locality: Bursa

Carcelia gnava (Meigen, 1824): Kara & Alaoğlu, 2002.

Carcelia iliaca (Ratzeburg, 1840): Avcı & Kara, 2002.

Carcelia laxifrons Villeneuve, 1912: Kara & Özdemir, 2000.

Carcelia lucorum (Meigen, 1824): Lutovinovas et al, 2018.

Senometopia separata (Rondani, 1859): Kansu, 1955; Doğanlar, 1975, 1982a; Herting, 1983b; Kara, 1998; Atay, 2011; Atay & Kara, 2014.

Thecocarcelia acutangulata (Macquart, 1850): Lutovinovas et al, 2018.

Erycia fasciata Villeneuve, 1924: Bayram & Kara, 1998; Aksu, 2005; Atay, 2017; Lutovinovas et al, 2018.

Erycia festinans (Meigen, 1924): Tek & Okyar, 2017.

Erycesta caudigera (Rondani, 1861): Lutovinovas et al, 2018.

Alsomyia olfaciens (Pandellé, 1896): Ford et al, 2000.

Townsendiellomyia nidicola (Townsend, 1908): Kansu, 1955; Gürses, 1975; Öncüer et al, 1977; Öncüer, Yalçın, & Erkin, 1978; Doğanlar, 1982a; Herting, 1983b, 1984; Kansu et al, 1986; Herting & Dely-Draskovits, 1993; Kara, 1998; Tschorsnig & Herting, 1997; Tschorsnig, 2005; Atay, 2011; Atay & Kara, 2014; Lutovinovas et al, 2018.

Platymya antennata (Brauer et Bergenstamm, 1891): Lutovinovas et al, 2018.

Platymya fimbriata (Meigen, 1824): Lutovinovas et al, 2018.

Eumea linearicornis (Zetterstedt, 1844): Aydoğdu, 2014.

Myxexoristops blondeli (Robineau-Desvoidy, 1830): Doğanlar, 1982a.

Zenillia dolosa (Meigen, 1824): Kara, 2002.

Zenillia libatrix (Panzer, 1798): Soydanbay, 1976; Öncüer et al, 1978; Kansu et al, 1986; Tschorsnig & Herting, 1997; Kara, 1998; Lutovinovas et al, 2018.

Clemelis pullata (Meigen, 1824): Kara & Alaoğlu, 2002; Aksu, 2005; Atay, 2017; Lutovinovas et al, 2018.

Ceratochaetops trisetata (Villeneuve, 1922): Kara, 2001a.

Pales pavidata (Meigen, 1824): Acatay, 1959a; Doğanlar, 1975, 1982a; Herting 1983b; Çanakçıoğlu, 1993; Tuncer & Ecevit, 1996; Tschorsnig & Herting, 1997; Kara, 1998; Kara & Özdemir, 2000; Kara, 2001b; Cerretti, 2005; Tschorsnig, 2005; Avcı, 2009; Özbek & Çalmaşur, 2010; Atay, 2011; Özbek & Çoruh, 2012; Robertson & Shaw, 2012; Atay & Kara, 2014; Balkan, 2014; Balkan et al, 2015; Lekin, 2014; Lekin et al, 2016b; Lutovinovas et al, 2018.

Pales processioneae Ratzeburg, 1840: Herting & Dely-Draskovits, 1993; Avcı & Kara, 2002; Cerretti, 2005.

Phryno vetula (Meigen, 1824): Doğanlar, 1982a; Aksu, 2005; Lutovinovas et al, 2018.

- Ceromasia rubrifrons*** (Macquart, 1834): Kara & Alaoğlu, 2002.
- Allophorocera ferruginea*** (Meigen, 1824): Kara et al, 2010.
- Ocytata pallipes*** (Fallén, 1820): Lutovinovas et al, 2018.
- Pexopsis aprica*** (Meigen, 1824): Lutovinovas et al, 2018.
- Erythroceras nigripes*** (Robineau-Desvoidy, 1830): Kara, 2001b; Aksu, 2005.
- Cadurcia casta*** (Rondani, 1861): Özdemir, 1981; Ulu, 1983; Herting & Dely-Draskovits, 1993.
- Ramonella mesnili*** (Kugler, 1980): Herting & Dely-Draskovits, 1993.
- Eurysthaea scutellaris*** (Robineau-Desvoidy, 1848): Gençer & Doğanlar, 1996; Kara, 1998; Gençer, 2003.
- Erynnia ocypterata*** (Fallén, 1810): Herting, 1983b.
- Elodia morio*** (Fallén, 1810): Kansu et al, 1986; Çanakçioğlu, 1993.
- Elodia atricans*** (Herting, 1975): Herting & Tschorsnig, 1986.
- Sturmia bella*** (Meigen, 1824): Herting, 1960; Doğanlar, 1975; Atak & Atak, 1984; Kara, 1998; Balkan, 2014; Balkan et al, 2015; Lutovinovas et al, 2018.
- Blepharipa pratensis*** (Meigen, 1824): Doğanlar, 1982a; Kara, 2001a; Korkmaz, 2007; Lutovinovas et al, 2018.
- Blepharipa schineri*** (Mesnil, 1939): Lutovinovas et al, 2018.
- Masicera pavoniae*** (Robineau-Desvoidy, 1830): Schimitschek, 1944; Herting & Dely-Draskovits, 1993.
- Masicera sphingivora*** (Robineau-Desvoidy, 1830): Tuatay et al, 1972; Doğanlar, 1975, 1982a; Gürses, 1975; Herting, 1984; Herting & Dely-Draskovits, 1993; Tschorsnig & Herting, 1997; Kara, 1998; Bayram, 1999; Kara & Özdemir, 2000; Tschorsnig, 2005; Bartsch & Tschorsnig, 2010; Atay, 2011; Özbek & Çoruh, 2012; Atay & Kara, 2014; Lutovinovas et al, 2018.
- Dolichocolon paradoxum*** Brauer et Bergenstamm, 1889: Lutovinovas et al, 2018.
- Palesisa maculosa*** (Villeneuve, 1936): Efil & Kara, 2004.
- Palesisa nudiculata*** Villeneuve, 1929: Gürses, 1975; Öncüer et al, 1977, 1978; Soydanbay, 1976; Doğanlar, 1982a; Herting, 1983b; 1984; Herting & Dely-Draskovits, 1993; Kara & Özdemir, 2000; Tschorsnig, 2005; Atay, 2011; Özbek & Çoruh, 2012; Atay & Kara, 2014; Lutovinovas et al, 2018.
- Hebia flavipes*** Robineau-Desvoidy, 1851: Lutovinovas et al, 2018.
- Thelymorpha marmorata*** (Fabricius, 1805): Doğanlar, 1975, 1982a; Herting, 1983b; Atay, 2011; Atay & Kara, 2014.
- Brachychaeta petiolata*** Mesnil, 1953: Lutovinovas et al, 2018.
- Gonia asiatica*** (Rohdendorf, 1928): Herting & Dely-Draskovits, 1993.
- Gonia atrata*** Bischof, 1906: Herting & Dely-Draskovits, 1993. - Type locality: Erciyes Mountain-Kayseri.

Checklist of Turkish Tachinidae (Insecta, Diptera) with New Records

Gonia bimaculata Widemann, 1819: Tuatay et al, 1972; Kavut et al, 1974; Doğanlar, 1982a; Gözüaçık et al, 2009; Lutovinovas et al, 2018.

Gonia maculipennis Egger, 1862: Doğanlar, 1982a; Herting & Dely-Draskovits, 1993. - Type localities: Hungary and Turkey.

Gonia olgae (Rohdendorf, 1927): Herting & Dely-Draskovits, 1993.

Gonia ornata Meigen, 1826: Tuatay et al, 1972; Doğanlar, 1982a; Herting & Dely-Draskovits, 1993; Aksu, 2005.

Gonia picea (Robineau-Desvoidy, 1830): Kara & Bayram, 1999; Sertkaya & Bayram, 2005; Lutovinovas et al, 2018.

Pseudogonia rufifrons (Wiedemann, 1830): Kara, 2001a; Sertkaya & Bayram, 2005; Gözüaçık et al, 2009; Atay, 2017.

Pseudogonia parisiaca (Robineau-Desvoidy, 1851): Aksu, 2005.

Spallanzania hebes (Fallén, 1820): Doğanlar, 1982a; Balkan, 2014; Balkan et al, 2015; Lutovinovas et al, 2018.

Spallanzania multisetosa (Rondani, 1859): Aksu, 2005.

Spallanzania quadrimaculata Herting, 1967: Aksu, 2005.

Spallanzania griseiventris Herting, 1967: Kara & Aksu, 2007.

Spallanzania rectistylum (Macquart, 1847): Lutovinovas et al, 2018.

Subfamily: Tachininae (91 species)

Tachina grossa (Linnaeus, 1758): Kara & Aksu, 2008.

Tachina corsicana (Villeneuve, 1931): Herting & Dely-Draskovits, 1993.

Tachina fera (Linnaeus, 1761): Doğanlar, 1982b; Kara, 1999a; Korkmaz, 2007; Lakin, 2014; Lakin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Tachina magnicornis (Zetterstedt, 1844): Steiner, 1937; Bodenheimer, 1958; Kavut et al, 1974; Doğanlar, 1975, 1982b; Kara, 1999a; Kara & Özdemir, 2000; Kaya & Kovancı, 2000; Gürkan, 2010; Korkmaz, 2007; Lakin, 2014; Balkan, 2014; Balkan et al, 2015; Lakin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Tachina nupta (Rondani, 1859): Kara, 1999a.

Tachina lurida (Fabricius, 1781): Lutovinovas et al, 2018.

Tachina praeceps Meigen, 1824: Doğanlar, 1975, 1982b; Gürses, 1975; Öncüer et al, 1977; Herting, 1983b; Kansu et al, 1986; Kara, 1999a; Kara & Özdemir, 2000; Mückstein et al, 2004; Özbek & Çoruh, 2012; Lutovinovas et al, 2018.

Nowickia atripalpis (Robineau-Desvoidy, 1863): Doğanlar, 1975.

Nowickia ferox (Panzer, 1809)

Material examined: Eskişehir: Sarıcakaya, 09.07. 2003, 2♂♂, leg. S.AKSU.

This tachinid is recorded for the first time from Turkey.

Nowickia rondanii (Giglio-Tos, 1890): Atay et al, 2015.

Tachina danilewskyi (Portschinsky, 1882) (Portschinsky, 1882): Herting & Dely-Draskovits, 1993; Kara & Aksu, 2007.

Peleteria abdominalis (Robineau-Desvoidy, 1830): Mesnil, 1944-1975.

Peleteria rubescens (Robineau-Desvoidy, 1830): Doğanlar, 1975; Kara, 1999a; Khan & Özer, 1984; Kansu et al, 1986; Kara & Özdemir, 2000; Korkmaz, 2007; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b.

Peleteria iavana (Wiedemann, 1819): Kara, 2001b; Lekin, 2014; Lekin et al, 2016b.

[***Copecrypta ruficauda*** (Van der Wulp, 1867): Herting & Dely-Draskovits, 1993.]

Remark: Herting 1984: 94 states "locality probably wrong" because this species is Nearctic. Unfortunately Herting's note was not included again by Dely-Draskovits when she rewrote Herting's 1984 paper.

Germaria hermonensis Kugler, 1980: Kara, 1999a.

Germaria nudinerva (Mesnil, 1963): Ziegler, 2015.

Germaria ruficeps (Fallén, 1820)

Material examined: Eskişehir: Tepebaşı (Gökçekısıık), 12.09.2003, 2♀, leg. S.AKSU.

This tachinid is recorded for the first time from Turkey.

Germaria obscuripennis Tschorsnig, 2000: Tschorsnig, 2000. - Type locality: Ilgaz-Çankiri, reared from *Bembecia scopigera* Scopoli (Lepidoptera, Sesiidae).

Germaria graeca (Brauer & Bergenstamm, 1889): Ziegler, 2010.

Nemoraea pellucida (Meigen, 1824): Doğanlar, 1982b; Herting, 1985; Tschorsnig, 2005; Tuncer & Ecevit, 1996; Sullivan et al, 2012; Sullivan & Ozman-Sulllivan, 2012; Balkan, 2014; Balkan et al, 2015; Lutovinovas et al, 2018.

Linnaemya comta (Fallén, 1810): Kavut et al, 1974; Doğanlar, 1982b; Kara, 1999a; Balkan, 2014; Balkan et al, 2015; Atay, 2017; Lutovinovas et al, 2018.

Linnaemya neavei Curran, 1934: Kara et al, 2007; Gözüaçık et al, 2009; Lutovinovas et al, 2018.

Linnaemyia vulpina (Fallén, 1810): Sertkaya & Bayram, 2005; Kara & Aksu, 2007; Korkmaz, 2007; Lutovinovas et al, 2018.

Linnaemya impudica (Rondani, 1859): Doğanlar, 1982b; Lekin, 2014; Lekin et al, 2016b.

Linnaemya fissiglobula Pandellé, 1895: Kara, 2001a.

Linnaemya olsuffjevi Zimin, 1954: Kansu et al, 1986; Kara & Özdemir, 2000.

Linnaemya pantheri (Bischof, 1906): Herting & Dely-Draskovits, 1993. - Type locality: Erciyes Mountain-Kayseri.

Lydina aenea (Meigen, 1824): Lutovinovas et al, 2018.

Lypa dubia (Fallén, 1810): Lutovinovas et al, 2018.

Petagnia occlusa Rondani, 1856: Herting & Dely-Draskovits, 1993.

Checklist of Turkish Tachinidae (Insecta, Diptera) with New Records

- Panzeria fucosa*** (Mesnil, 1975): Herting & Dely-Draskovits, 1993.
- Zophomyia temula*** (Scopoli, 1763): Kara, 1999a.
- Sonaca moderata*** (Herting, 1979): Herting, 1979.
- Cleonice callida*** (Meigen, 1824): Kara, 1999a.
- Loewia brevifrons*** (Rondani, 1856): Herting, 1984; Herting & Dely-Draskovits, 1993; Kara, 1999a; Lutovinovas et al, 2018.
- Loewia crassipes*** (Mesnil, 1953): Bystrowski, 2011; Lutovinovas et al, 2018.
- Loewia phaeoptera*** (Meigen, 1824): Kara, 2001b.
- Loewia papei*** Cerretti, Giudice & O'Hara, 2014: Cerretti, Giudice, & O'Hara, 2014; Lutovinovas et al, 2018. – Type locality: Kovada Gölü-Isparta.
- Macquartia praefica*** (Meigen, 1824): Kara, 1999a.
- Macquartia tenebricosa*** (Meigen, 1824): Kara, 1999a, 2001b; Anay, 2000; Korkmaz, 2007; Atay, 2018; Lutovinovas et al, 2018.
- Macquartia tessellum*** (Meigen, 1824): Doğanlar, 1982b; Kara, 1999a; Lutovinovas et al, 2018.
- Macquartia chalconota*** (Meigen, 1824): Kara, 2001b; Sahebari, Khaghaninia, & Ziegler, 2013; Lekin, 2014; Lekin et al, 2016b; Atay, 2017.
- Anthomyiopsis plagioderæ*** (Mesnil, 1972): Atay, 2011; Kara & Atay, 2015.
- Triarthria setipennis*** (Fallén, 1810): Lutovinovas et al, 2018.
- Trichactia pictiventris*** (Zetterstedt, 1855): Lutovinovas et al, 2018.
- Trichactia meridiana*** Ziegler & Gilasian, 2018: Gilasian et al, 2018.
- Neaera atra*** Robineau-Desvoidy, 1850: Herting & Dely-Draskovits, 1993.
- Neaera laticornis*** (Meigen, 1824): Kara, 1999a.
- Neoplectops pomonellæ*** (Schnabl et Mokrzecki, 1903): İren, 1952; Çakıllar & Nizamlioğlu, 1953; Bodenheimer, 1958; Acatay, 1959b; Tuatay et al, 1972; Herting & Dely-Draskovits, 1993.
- Phytomyptera nigrina*** (Meigen, 1824): Çakıllar, 1959; Önçağ, 1975; Doğanlar & Döken, 1985.
- Phytomyptera cingulata*** (Robineau-Desvoidy, 1830): Lutovinovas et al, 2018.
- Graphogaster vestita*** Rondani, 1868: Kara et al, 2010; Lutovinovas et al, 2018.
- Ceromya bicolor*** (Meigen, 1824): Lutovinovas et al, 2018.
- Ceromya dorsigera*** Herting 1967: Lutovinovas et al, 2018.
- Actia crassicornis*** (Meigen, 1824): Çanakcioğlu, 1993.
- Actia infantula*** (Zetterstedt, 1844): Lutovinovas et al, 2018.
- Actia pilipennis*** (Fallén, 1810): Çanakcioğlu, 1993.
- Actia resinellæ*** (Schrank, 1781): Çanakcioğlu, 1993.
- Peribaea apicalis*** Robineau-Desvoidy, 1863: Lutovinovas et al, 2018.

Peribaea tibialis (Robineau-Desvoidy, 1851): Anay, 2000; Kara, 2001b; Korkmaz, 2007; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Ceranthia impropria Herting, 1987: Herting, 1987. - Type locality: Sat Mountain-Hakkari.

Siphona pauciseta Rondani, 1865: Lutovinovas et al, 2018.

Siphona rossica Mesnil, 1961: Andersen, 1996.

Siphona pilistyla Andersen, 1996: Andersen, 1996.

Aphria longirostris (Meigen, 1824): Atay et al, 2015.

Prodemoticus orientalis Villeneuve, 1919: Herting & Dely-Draskovits, 1993.

Bithia acanthophora (Rondani, 1861): Herting & Dely-Draskovits, 1993.

Bithia ancyrensis (Villeneuve, 1942): Herting & Dely-Draskovits, 1993. - Type locality: Ankara.

Bithia demotica (Egger, 1861): Kara & Aksu, 2007.

Bithia immaculata (Herting, 1971): Doğanlar, 1982b; Kara, 1999a; Korkmaz, 2007.

Bithia modesta (Meigen, 1824): Doğanlar, 1982b; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Bithia maculifacies Tschorsnig & Kara 2002: Tschorsnig & Kara, 2002. – Type locality: Çamlıbel-Tokat.

Leskia aurea (Fallén, 1820): Kara & Özdemir, 2000; Kara, 2001a.

Leskia erevanica Richter, 1974: Kara & Aksu, 2008.

Solieria fenestrata (Meigen, 1824): Kara, 1999b.

Solieria vacua (Rondani, 1861)

Material examined: Kastamonu: Şenpazar - Dağlı, 41°46'59"N, 33°08'20"E, 678 m, 20.09.2012, 1♂, leg.T.ATAY.

This tachinid is recorded for the first time from Turkey.

Clausicella puella (Rondani, 1861): Kara 2002; Lutovinovas et al, 2018.

Clausicella suturata Rondani, 1859: Lutovinovas et al, 2018.

Mintho rufiventris (Fallén, 1817): Ertürk, 1963; Doğanlar, 1982b; Herting, 1983b; Herting & Tschorsnig, 1993; Kara, 1999a; Lutovinovas et al, 2018.

Minthodes brevipennis Brauer et Bergenstamm, 1889: Herting & Dely-Draskovits, 1993; Kara & Aksu, 2007. - Type locality: Amasya.

Minthodes diversipes (Strobl, 1899): Herting, 1984; Herting & Dely-Draskovits, 1993; Lutovinovas et al, 2018.

Minthodes pictipennis Brauer et Bergenstamm, 1889: Herting & Dely-Draskovits, 1993. - Type locality: Bursa.

Minthodes atra (Kugler, 1971): Gilasian, Ziegler, & Araghi, 2016.

Minthodes latifacies Herting, 1983: Gilasian et al, 2016; Lutovinovas et al, 2018.

Checklist of Turkish Tachinidae (Insecta, Diptera) with New Records

Minthodes transiens Herting, 1987: Herting, 1987. - Type locality: Sat Mountain-Hakkari.

Minthodes simulans Herting, 1987: Herting, 1987. - Type locality: Sat Mountain-Hakkari.

Palmonia hermonensis Kugler, 1972: Lutovinovas et al, 2018.

Ziminia masiceraeformis (Portschinsky, 1881): Doğanlar, 1982b.

Microphthalma europaea Egger, 1860: Karagöz, Aksu, Gözüaçık, & Kara, 2011; Balkan, 2014; Balkan et al, 2015; Lutovinovas et al, 2018.

Melisonera leucoptera (Meigen, 1824): Lutovinovas et al, 2018.

Therobia leonidei (Mesnil, 1965): Lehmann, 1998.

Subfamily: Dexiinae (48 species)

Billaea adelpha (Loew, 1873): Kara, 2001a.

Billaea irrorata (Meigen, 1826): Özbek, Tozlu, & Çoruh, 2009.

Dinera carinifrons (Fallén, 1817): Doğanlar, 1982b; Ziegler, Lutovinovas, & Zhang, 2016.

Dinera ferina (Fallén, 1817): Lakin, 2014; Lakin et al, 2016a.

Dinera fuscata occidentalis Ziegler, 2016: Ziegler et al, 2016.

Estheria acuta (Portschinsky, 1881): Herting & Dely-Draskovits, 1993; Cerretti & Tschorsnig, 2012; Atay, 2017.

Estheria nigripes (Villeneuve, 1920): Herting, 1984; Öncüer, 1991; Herting & Dely-Draskovits, 1993; Cerretti & Tschorsnig, 2012; Lutovinovas et al, 2018.

Estheria pallicornis (Loew, 1873): Herting & Dely-Draskovits, 1993; Cerretti & Tschorsnig, 2012.

Estheria picta (Meigen, 1826): Doğanlar, 1982b.

Dexia rustica (Fabricius, 1775): Lakin, 2014; Sahebari, Khaghaninia, & Ziegler, 2014; Lakin et al, 2016a; Lutovinovas et al, 2018.

Prosenia siberita (Fabricius, 1775): Kara, 2001a; Balkan, 2014; Lakin, 2014; Balkan et al, 2015; Lakin et al, 2016b.

Zeuxia cinerea Meigen, 1826: Kara, 1999b; Richter, Gültekin, & Korotyayev, 2002; Kara & Aksu, 2007; Korkmaz, 2007; Lakin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Zeuxia erythraea (Egger, 1856): Doğanlar, 1982b.

Zeuxia roederi (Villeneuve, 1932): Herting & Dely-Draskovits, 1993.

Zeuxia subapennina Rondani, 1862: Kara, 1999b; Lutovinovas et al, 2018.

Zeuxia tricolor (Portschinsky, 1881): Herting, 1984; Herting & Dely-Draskovits, 1993; Kara, 1999b; 2001b; Kara & Aksu, 2007; Lakin, 2014; Lakin et al, 2016b.

Zeuxia zejana Kolomiets, 1971: Herting & Dely-Draskovits, 1993; Tozlu & Kara, 2007.

Eriothrix apennina (Rondani, 1862): Doğanlar, 1982b; Kara, 2001b.

Eriothrix argyrea (Meigen, 1824)

Material examined: Van: Çatak, 16.07. 2002, 2♂♂, leg. K.KARA.

This tachinid is recorded for the first time from Turkey.

Eriothrix prolixa (Meigen, 1824): Kara, 1999b; Lutovinovas et al, 2018.

Eriothrix rufomaculata (De Geer, 1776): Doğanlar, 1982b; Kara, 1999b; Korkmaz, 2007; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b; Lutovinovas et al, 2018.

Campylocheta inepta (Meigen, 1824): Lutovinovas et al, 2018.

Campylocheta latigena Mesnil, 1974: Lutovinovas et al, 2018.

Campylocheta praecox (Meigen, 1824): Lutovinovas et al, 2018.

Blepharomyia pagana (Meigen, 1824): Lutovinovas et al, 2018.

Periscepsia carbonaria (Panzer, 1798): Kavut et al, 1974; Khan & Özer, 1984; Kansu et al, 1986; Bayram, 1987; Bayram & Kılınçer, 1987, 1991; Kara & Özdemir, 2000; Kara & Aksu, 2007; Lekin, 2014; Lekin et al, 2016b.

Wagneria cunctans (Meigen, 1824): Lutovinovas et al, 2018.

Wagneria micropyga Herting, 1987: Herting, 1987; Lutovinovas et al, 2018. – Type locality: Beytüşşebap-Şırnak.

Athrycia impressa (Van der Wulp, 1869): Doğanlar, 1982b; Kara, 1999b; Lekin, 2014; Lekin et al, 2016b.

Athrycia trepida (Meigen, 1824): Sahebari et al, 2014; Lutovinovas et al, 2018.

Voria ruralis (Fallén, 1810): Steiner, 1937; Bodenheimer, 1958; Kavut et al, 1974; Avcı & Özbek, 1990; Kara, 1999b; Anay, 2000; Kara & Özdemir, 2000; Kara, 2001b; Korkmaz, 2007; Kaya & Kornoşor, 2008; Lekin, 2014; Lekin et al, 2016b; Lutovinovas et al, 2018.

Cyrtophloeba ruricola (Meigen, 1824): Sahebari et al, 2014; Lutovinovas et al, 2018.

Klugia marginata (Meigen, 1824): Kara, 1999b.

Hypovoria hilaris Villeneuve, 1912: Sahebari et al, 2014; Lutovinovas et al, 2018.

Hypovoria pilibasis (Villeneuve, 1922): Mückstein et al, 2004.

Nanoplagia hilfi (Strobl, 1902): Cerretti, 2009.

Uclesia simyrae Herting, 1966: Herting, 1966; Herting & Dely-Draskovits, 1993. – Type locality: Konya.

Uclesia fumipennis Girschner, 1901: Doğanlar, 1982b.

Thelaira solivaga (Harris, 1780): Sahebari et al, 2014.

Stomina angustifrons Kugler, 1968: Herting & Dely-Draskovits, 1993.

Stomina iners (Meigen, 1838): Doğanlar, 1982b; Herting & Dely-Draskovits, 1993; Kara & Aksu, 2007.

Stomina tachinoides (Fallén, 1817): Kara, 2001a.

Dufouria nigrita (Fallén, 1810): Kara, 1999b.

Dufouria occlusa (Robineau-Desvoidy, 1863): Kara, 1999b.

Rondania cucullata Robineau-Desvoidy, 1850: Doğanlar, 1982b.

Microsoma exiguum (Meigen, 1824): Aeschlimann, 1990; Lutovinovas et al, 2018.

Euthera fascipennis (Loew, 1854): Herting & Dely-Draskovits, 1993.

Mitannia insueta Herting, 1987: Herting, 1987. - Type locality: Sat Mountain-Hakkari.

Subfamily: Phasiinae (63 species)

Eliozeta helluo (Fabricius, 1805): Lodos, 1961, 1986; Brown, 1962; Dupuis, 1963; Yüksel, 1968; Tuatay et al, 1972; Herting, 1984, 1985; Herting & Dely-Draskovits, 1993; Memişoğlu & Özer, 1994; Şimşek, Güllü, & Yaşarbaş, 1994; Öncüer & Kivan, 1995; Kivan, 1996; Kara, 1998; İslamoğlu & Kornoşor, 2003, 2007; Korkmaz, 2007; Gözüaçık et al, 2010; Gün, 2010; Duman & Sertkaya, 2015; Lutovinovas et al, 2018.

Eliozeta pellucens (Fallén, 1820): Kara & Bayram, 1999; Korkmaz, 2007.

Clytiomyia continua (Panzer, 1798): Kara, 1998; Aksu, 2005; Atay, 2011; Atay & Kara, 2014; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b; Atay, 2017.

Clytiomyia dupuisi Kugler, 1971: Kara, 1998; Kara & Alaoğlu, 1999; Karsavuran & Kara, 2003; Lutovinovas et al, 2018.

Clytiomyia sola (Rondani, 1861): Mesnil, 1971; Tuatay et al, 1972; Karsavuran & Kara, 2003; Tschorsnig, 2005; Lutovinovas et al, 2018.

Ectophasia crassipennis (Fabricius, 1794): Zwölfer, 1932; Lodos, 1953, 1961, 1986; Yüksel, 1968; Şimşek et al, 1994; Atay, 2011; Atay & Kara, 2014; Lekin, 2014; Duman & Sertkaya, 2015; Duman, Güz, & Sertkaya, 2015; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Ectophasia leucoptera (Rondani, 1865): Herting & Dely-Draskovits, 1993.

Ectophasia oblonga (Robineau-Desvoidy, 1830): Dupuis, 1963; Herting, 1984; Herting & Dely-Draskovits, 1993; Herting & Tschorsnig, 1993; Memişoğlu & Özer, 1994; Öncüer & Kivan, 1995; Kivan, 1996; Kara, 1998; İslamoğlu & Kornoşor, 2003, 2007; Aksu, 2005; Tschorsnig, 2005; Korkmaz, 2007; Gözüaçık et al, 2010; Atay, 2011; Atay & Kara, 2014; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Gymnosoma clavata (Rohdendorf, 1947): Doğanlar, 1982b; Karsavuran, 1986; Herting & Tschorsnig, 1993; Kara, 1998; Karsavuran & Kara, 2003; Aksu, 2005; Korkmaz, 2007; Atay, 2011; Atay & Kara, 2014; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Gymnosoma desertorum (Rohdendorf, 1947): Brown, 1962; Lodos, 1986; Kara & Alaoğlu, 1999; Atay, 2011; Atay & Kara, 2014; Balkan, 2014; Balkan et al, 2015.

Gymnosoma dolycoridis Dupuis, 1961: Karsavuran, 1986; Kara, 1998; Aksu, 2005.

Gymnosoma iranica (Zimin, 1966): Kara, 2001a.

Gymnosoma nitens Meigen, 1824: Kara, 2001a; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Gymnosoma rotundata (Linnaeus, 1758): Kurt, 1975; Dikyar, 1981; Kara, 1998; Korkmaz, 2007; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b; Atay, 2017.

Gymnosoma rungsi (Mesnil, 1952): Zimin, 1966; Mesnil, 1971; Tuatay et al, 1972; Dikyar, 1981; Herting & Dely-Draskovits, 1993; Herting, 1984; Herting & Tschorsnig, 1993; Memişoğlu, Özkan, & Melan, 1994; Lutovinovas et al, 2018.

Cistogaster mesnili (Zimin, 1966): Memişoğlu et al, 1994.

Opesia grandis (Egger, 1860)

Material examined: Eskişehir: Alpu, 11.07. 2003, 1♂, leg. S.AKSU.

This tachinid is recorded for the first time from Turkey.

Elomya lateralis (Meigen, 1824): Lodos, 1961, 1986; Brown, 1962; Dupuis, 1963; Yüksel, 1968; Mesnil, 1971; Dikyar, 1981; Herting & Tschorsnig, 1993; Memişoğlu & Özer, 1994; Memişoğlu et al, 1994; Öncüer & Kivan, 1995; Kivan, 1996; İslamoğlu & Kornoşor, 2003, 2007; Korkmaz, 2007; Kara & Alaoğlu, 1999; Tschorsnig, 2005; Gözüaçık et al, 2010; Atay, 2011; Atay & Kara, 2014; Duman & Sertkaya, 2015; Atay, 2017; Lutovinovas et al, 2018.

Phasia aurigera (Egger, 1860): Ziegler, 2011

Phasia hemiptera (Fabricius, 1794): Lekin, 2014; Lekin et al, 2016a.

Phasia obesa (Fabricius, 1798): Kara, 1998; Kara & Alaoğlu, 1999; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Phasia subcoleoprata (Linnaeus, 1767): Lodos, 1952, 1953, 1961, 1986; Brown, 1962; Dupuis, 1963; Yüksel, 1968; Tuatay et al, 1972; Soydanbay, 1978; Herting, 1984, 1985; Herting & Dely-Draskovits, 1993; Herting & Tschorsnig, 1993; Memişoğlu & Özer, 1994; Şimşek et al, 1994; Öncüer & Kivan, 1995; Kivan, 1996; İslamoğlu & Kornoşor, 2003, 2007; Sun & Marshall, 2003; Keçeci, Tekşam, Topuz, & Öztop, 2007; Gözüaçık et al, 2010; Gün, 2010; Atay, 2011; Atay & Kara, 2014; Duman & Sertkaya, 2015; Duman et al, 2015; Lutovinovas et al, 2018.

Phasia mesnili (Draber-Monko, 1965): Kara, 1998; Kara & Alaoğlu, 1999; Sun & Marshall, 2003; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Phasia pandellei (Dupuis, 1957): Kara et al, 2010; Atay, 2017.

Phasia pusilla Meigen, 1824: Kara, 1998; Kara & Alaoğlu, 1999; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Phasia venturii (Draber-Monko, 1965): Lutovinovas et al, 2018.

Xysta holosericea (Fabricius, 1805): Kara et al, 2010; Lutovinovas et al, 2018.

- Catharosia albisquama*** (Villeneuve, 1932): Lutovinovas et al, 2018.
- Catharosia claripennis*** Kugler, 1977: Lutovinovas et al, 2018.
- Catharosia pygmaea*** (Fallén, 1815): Atay, 2017; Lutovinovas et al, 2018.
- Eulabidogaster setifacies*** (Rondani, 1861): Kara, 1998; Kara & Alaoğlu, 1999; Korkmaz, 2007; Atay, 2011; Atay & Kara, 2014; Atay, 2017; Lutovinovas et al, 2018.
- Leucostoma abbreviatum*** Herting, 1971: Kara & Alaoğlu, 1999; Korkmaz, 2007; Balkan, 2014; Balkan et al, 2015.
- Leucostoma anthracinum*** (Meigen, 1824): Kara, 1998; Atay, 2017; Lutovinovas et al, 2018.
- Leucostoma crassa*** Kugler, 1966: Herting & Dely-Draskovits, 1993; Kara & Alaoğlu, 1999.
- Leucostoma engeddense*** Kugler, 1966: Kara, 2002; Lutovinovas et al, 2018.
- Leucostoma simplex*** (Fallén, 1815): Kara & Alaoğlu, 1999; Korkmaz, 2007; Atay, 2011; Lutovinovas et al, 2018.
- Leucostoma tetraptera*** (Meigen, 1824): Kara et al, 2010.
- Leucostoma nudifacies*** Tschorsnig, 1991: Kara & Bayram, 1999.
- Clairvillia biguttata*** (Meigen, 1824): Kara, 1998; Kara & Alaoğlu, 1999; Aksu, 2005; Lutovinovas et al, 2018.
- Clairvillia pniae*** Kugler, 1971: Kara, 2001a; Kara & Aksu, 2007; Lutovinovas et al, 2018.
- Psalidoxena transsylvanica*** (Villeneuve, 1929): Kara, 2002.
- Labigastera nitidula*** (Meigen, 1824): Kara, 2002.
- Labigastera pauciseta*** (Rondani, 1861): Kara & Alaoğlu, 1999; Korkmaz, 2007.
- Weberia digramma*** (Meigen, 1824): Lutovinovas et al, 2018.
- Cylindromyia rufifrons*** (Loew, 1844): Lutovinovas et al, 2018.
- Cylindromyia rubida*** (Loew, 1854): Çerçi, 2017.
- Cylindromyia theodori*** Kugler, 1974: Gilasian, Talebi, Ziegler, Manzari, & Araghi, 2013.
- Cylindromyia bicolor*** (Olivier, 1812): Herting, 1983a; Işık, Ecevit, Kurt, & Yüçetin, 1987; Kara, 1998; Kara & Alaoğlu, 1999; Korkmaz, 2007; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.
- Cylindromyia brassicaria*** (Fabricius, 1775): Doğanlar, 1982b; Karsavuran, 1986; Kara, 1998; Kara & Alaoğlu, 1999; Aksu, 2005; Atay, 2011; Atay & Kara, 2014; Lekin, 2014; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.
- Cylindromyia brevicornis*** (Loew, 1844): Kara & Alaoğlu, 1999.
- Cylindromyia montana*** Kugler, 1974: Doğanlar, 1982b.
- Cylindromyia pilipes*** (Loew, 1844): Herting 1984; Herting & Dely-Draskovits, 1993; Atay, 2017; Lutovinovas et al, 2018. - Type localities: İstanbul and Bursa.

Cylindromyia pusilla (Meigen, 1824): Herting, 1984; Herting & Dely-Draskovits, 1993; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Cylindromyia rufipes (Meigen, 1824): Kara, 2001a; Korkmaz, 2007; Atay, 2017; Lutovinovas et al, 2018.

Cylindromyia crassa (Loew, 1845): Lutovinovas et al, 2018.

Cylindromyia intermedia (Meigen, 1824): Doğanlar, 1982b; Atay, 2017.

Cylindromyia auriceps (Meigen, 1838): Kara, 1998; Kara & Alaoğlu, 1999; Aksu, 2005; Korkmaz, 2007; Balkan, 2014; Lekin, 2014; Balkan et al, 2015; Lekin et al, 2016b; Atay, 2017; Lutovinovas et al, 2018.

Cylindromyia hermonensis Kugler, 1974: Lutovinovas et al, 2018.

Cylindromyia interrupta (Meigen, 1824): Kara et al, 2010.

Cylindromyia persica Tschorsnig, 2000: Gilasian et al, 2013.

Besseria lateritia (Meigen, 1824): Kara et al, 2010; Lutovinovas et al, 2018.

Besseria zonaria (Loew, 1847): Herting & Dely-Draskovits, 1993; Korkmaz, 2007.

Phania albisquama (Villeneuve, 1924): Kara, 2002.

DISCUSSION

In this paper, a total of 341 tachinid species are listed from Turkey. The subfamily Exoristinae is dominant with 139 species, followed by the subfamilies Tachininae, Phasiinae and Dexiinae, respectively. The number of species known to each Turkish province varies widely, depending mainly on areas of research of the most active researchers: 156 species (47%) are recorded from Southwestern Turkey including Muğla, Aydın, Burdur, Denizli, Antalya, 145 species (43%) from Central Black Sea including Tokat and Amasya, 66 species (20%) from Western Black Sea including Kastamonu, Karabük, Bolu, Bartın, 71 species (21%) from Northwest Central Anatolia including Ankara and Eskişehir, 57 species (17%) from North of Eastern Anatolia including Erzurum and 24 species (7%) from Eastern Marmara.

The type locality of 19 species (5.6%) is Turkey and 11 of them are at present endemic species. These are *Blondelia angusticornis* Herting, 1987, *Germaria obscuripennis* Tschorsnig, 2000, *Linnaemya pentheri* (Bischof, 1906), *Loewia papei* Cerretti, Lo Giudice & O'Hara, 2014, *Ceranthia impropria* Herting, 1987, *Bithia ancyrensis* (Villeneuve, 1942), *Minthodes brevipennis* Brauer et Bergenstamm, 1889, *Minthodes transiens* Herting, 1987, *Minthodes simulans* Herting, 1987, *Mitannia insueta* Herting, 1987 and *Wagneria micropyga* Herting, 1987.

The present publication includes all relevant papers on Turkish Tachinidae known to the authors. Further studies involving different habitats would certainly reveal additional species. The total number of species in the large and diverse country Turkey will surely exceed the listed 341 species. Fauna Europaea ([http:// www.faunaeur.org/](http://www.faunaeur.org/)) gives an impression how many species can be recorded in even much smaller European countries.

ACKNOWLEDGEMENTS

We are grateful to all the researchers who contributed to the detection of the species diversity of the Tachinidae family in Turkey.

REFERENCES

- Acatay, A. (1959a). Pappelschädlinge in der Türkei. *Anzeiger für Schädlingkunde*, 32, 129-134.
- Acatay, A. (1959b). *Melanophila decastigma* (= *picta* Fall.) und *Gypsonoma* (*Semasia*) *dealbana* Froel. (= *incarnana* Hw.) in der Türkei. *Anzeiger für Schädlingkunde*, 32, 65-68.
- Aeschlimann, J.-P. (1990). The distribution and importance of *Microsoma exigua* Mg. (Dipt. Tachinidae), a parasitoid of adult *Sitona* spp. (Col., Curculionidae) in the Mediterranean region. *Journal of applied Entomology*, 109(1-5), 151-155.
- Akdağcık, Z. (2010). Determination of population development, predators and parasitoids of lepidopterous pest species in the Cruciferae growing areas in Çukurova region and research on biological characteristics and control of *Pieris brassicae* (L.) [Thesis Çukurova Üniversitesi, Fen Bilimleri Enstitüsü], 83 pp.
- Akıncı, A.E. & Avcı, M. (2016). *Neodiprion sertifer*'in Göller Bölgesi ormanlarında biyolojisi ve doğal düşmanları. *Turkish Journal of Forestry*, 17(1), 30-36.
- Aksu, S. (2005). Eskişehir ve çevresinde saptanan Exoristinae ve Phasiinae (Diptera: Tachinidae) türleri. Yüksek Lisans Tezi, Eskişehir Osmangazi Üniversitesi, Fenbilimleri Enstitüsü, Eskişehir, 129.
- Anay, A. (2000). Çukurova koşullarında yonca (*Medicago sativa* L.) da zararlı ve yararlı böcek faunasının saptanması. Yüksek Lisans Tezi, Çukurova Üniversitesi, Fenbilimleri Enstitüsü, Adana, 57.
- Andersen, S. (1996). The Siphonini (Diptera: Tachinidae) of Europe. *Fauna Entomologica Scandinavica*, 33, 1-148.
- Atak, U. & Atak, E.D. (1984). Lahana kelebeği (*Pieris brassicae* L.)'nin biyo-ekolojisi ve mikrobiyal ilaçlarla savaşımı üzerine araştırmalar. *Bitki Koruma Bülteni*, 24(4), 173-199.
- Atay, T. (2011). Amasya, Sivas ve Tokat illerinin Kelkit Havzasındaki farklı böcek takımlarında bulunan Tachinidae (Diptera) türleri üzerinde çalışmalar. Yüksek Lisans Tezi, Tokat Gaziosmanpaşa University, Fenbilimleri Enstitüsü, Tokat, 218.
- Atay, T. (2017). Contributions to the knowledge of the Tachinidae (Diptera) fauna of Turkey from Western Blacksea region of Turkey with one new record. *Journal of Agricultural Faculty of Gaziosmanpaşa University*, 34(1), 137-145.
- Atay, T. (2018). Tachinid (Diptera: Tachinidae) parasitoids of the lucerne beetle, *Gonioctena fornicata* (Brüggemann, 1873) (Coleoptera: Chrysomelidae), with a new parasitoid record and their parasitism rates. *Türkiye Entomoloji Dergisi*, 42(2), 141-147.
- Atay, T. & Kara, K. (2014). Tachinids (Diptera: Tachinidae) reared from lepidopterous and heteropterous hosts from some localities in the Kelkit Valley (Amasya, Tokat, Sivas) of Turkey. *Turkish Journal of Zoology*, 38, 500-507.
- Atay, T., Kara, K., & Özdemir, M. (2015). New records for Turkish Tachinidae (Diptera) fauna from Erciyes Mountain, Kayseri. *Turkish Journal of Zoology*, 39, 1162-1163.
- Avcı, M. (2009). Parasitoid complex and new host plants of the Gypsy Moth, *Lymantria dispar* L. in the Lakes District, Turkey. *Journal of Animal and Veterinary Advances*, 8(7), 1402-1405.
- Avcı, M. & Kara, K. (2002). Tachinidae parasitoids of *Traumatocampa ispartaensis* from Turkey. *Phytoparasitica*, 30(4), 361-364.
- Avcı, M. & Oğurlu, İ. (2002). The importance, biology and natural enemies of the pine processionary moth [*Thaumetopoea pityocampa* (Den. & Schiff.)] in the lakes district. *Proceedings of pine processionary moth symposium*. Kahramanmaraş, Turkey. pp. 28-36.
- Avcı, Ü. & Özbek, H. (1990). Erzurum'da lahana zararlısı lepidopter türleri ve parazitoidleri üzerinde bir araştırma. *Türkiye II. Biyolojik Mücadele Kongresi*, 26-29 Eylül 1990, İzmir, Turkey, 319-330.

- Aydın, M. (1997). Orta Anadolu Bölgesinde Fasulye Kapsülkurdu (*Etiella zinckenella* Treit.) (Lepidoptera: Pyralidae)' nun biyo-ekolojisi ve mücadelesi üzerinde araştırmalar. Yüksek Lisans Tezi, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Ankara, 95.
- Aydoğdu, M. (2014). Parasitoid abundance of *Archips rosana* (Linnaeus, 1758) (Lepidoptera: Tortricidae) in organic cherry orchards. *North-Western Journal of Zoology*, 10(1), 42-47.
- Balkan, T. (2014). Sakarya İlinde Tachinidae (Hexapoda: Diptera) Türleri Üzerinde Faunistik ve Sistemantik Çalışmalar. Yüksek Lisans Tezi, Tokat: Gaziosmanpaşa University, Fen Bilimleri Enstitüsü, Tokat, 144.
- Balkan, T., Kara, K., & Atay, T. (2015). Tachinidae (Diptera) species of the Sakarya (Turkey) province with two new records. *Turkish Journal of Zoology*, 39, 1050-1055.
- Bartsch, D. & Tschorsnig, H.-P. (2010). Raupenfliegen (Diptera:Tachinidae) aus Wirten der West und Zentralpaläarktis. *Mitteilungen des entomologischen Vereins Stuttgart*, 45, 137-140.
- Battisti, A., Avcı, M., Avtziş, D.N., Jamaa, M.L.B., Berardi, L., Berretima, W.A., Branco, M., Chakali, G., Fels, M., Frérot, B. et al. (2015). Chapter 2. Natural history of the processionary moths (*Thaumetopoea* spp.): new insights in relation to climate change. In: A, Roques (Ed.). *Processionary moths and climate change, an update* (pp. 15-79). Dordrecht-Versailles: Springer-Quae.
- Bayram, Ş. (1987). Research on biological interrelations between *Periscepsia carbonaria* (Panz.) (Diptera: Tachinidae) and *Agrotis segetum* (Denis and Schiff.) (Lepidoptera: Noctuidae) [Thesis]. Ankara Üniversitesi, Turkey, Fen Bilimleri Enstitüsü, p. 130.
- Bayram, Ş. & Kara, K. (1998). Türkiye Tachinidae (Diptera) familyası için yeni bir kayıt *Erycia fasciata* Villeneuve 1924. *Türkiye Entomoloji Dergisi*, 22(3), 217-224.
- Bayram, Ş. & Kilinçer, N. (1987). *Periscepsia carbonaria* (Panz.) (Diptera: Tachinidae)' nın *Agrotis segetum* (Den.-Schiff.) (Lepidoptera: Noctuidae) larvalarında gelişmesi üzerinde araştırmalar. *Türkiye I. Entomoloji Kongresi*, 13-16 Ekim 1987, İzmir, Turkey, 521-530.
- Bayram, Ş. (1999). A new parasitoid of *Hyles euphorbiae* L. 1758 (Lepidoptera: Sphingidae) from Turkey: *Drino galii* Brauer and Bergenstamm, 1891 (Diptera: Tachinidae). *Journal of the Institute of Science and Technology, Gazi University*, 12(4), 1071-1075.
- Bayram, Ş. & Kilinçer, N. (1991). Edult *Periscepsia carbonaria* (Panz.) (Diptera, Tachinidae)'nin erkek ve dişi iç üreme sisteminin morfolojik yapısı. *Türkiye Entomoloji Dergisi*, 15(4), 229-236.
- Bergström, C. & Bystrowski, C. (2011). The identity of *Blondelia pinivora* (Ratzeburg) (Diptera: Tachinidae), a parasitoid of processionary moths (Lepidoptera: Thaumetopoeidae). *Stuttgarter Beiträge zur Naturkunde A, Neue Serie*, 4, 321-334.
- Bodenheimer, F.S. (1958). *Türkiye' de Ziraate ve Ağaçlara Zararlı Olan Böcekler ve Bunlarla Savaş Hakkında Bir Etüt*. Bayur Matbaası, Ankara, Turkey.
- Bolu, H. & Çınar, M. (2005). The harmful lepidoptera species on almond, their natural enemies and observations on some important species in Elazığ, Diyarbakır and Mardin provinces of Turkey. *Harran Üniversitesi Ziraat Fakültesi Dergisi*, 9(2), 63-67.
- Bolu, H. & Kara, K. (2006). A new host (*Nordmannia acaciae* (Fabricius) (Lep.: Lycaenidae) record for *Aplomya confinis* (Fallén) (Dip.: Tachinidae) from Turkey, *Belgian Journal of Zoology*, 136(1), 113-114.
- Bolu, H., Kara, K., Zirek, D. & Özasan, C. (2015). A new host *Acherontia atropos* (Linnaeus, 1758) (Lepidoptera: Sphingidae) record for *Drino atropivora* (Robineau-Desvoidy 1830): (Diptera: Tachinidae) from Turkey. *Journal of the Entomological Research Society*, 17(2), 11-16.
- Brown, E.S. (1962). Notes on the parasites of Pentatomidae and Scutelleridae (Hemiptera-Heteroptera) in Middle East countries, with observations on biological control. *Bulletin of Entomological Research London*, 53(2), 241-256.
- Bystrowski, C. (2011). New record of *Loewia crassipes* (Mesnil) from Turkey. In: E J, O' Hara (Ed.). *The Tachinid Times*, 24. p. 1-3.
- Cerretti, P. (2005). Revision of the West Palaearctic species of the genus *Pales* Robineau-Desvoidy (Diptera: Tachinidae). *Zootaxa*, 885, 1-36.

Checklist of Turkish Tachinidae (Insecta, Diptera) with New Records

- Cerretti, P. (2009). A new Afrotropical genus of Voriini, with remarks on related genera (Diptera: Tachinidae: Dexiinae). *Insect systematics & evolution*, 40(1):, 105-120.
- Cerretti, P. & Tschorsnig, H-P. (2012). Three new species of *Estheria* Robineau-Desvoidy (Diptera: Tachinidae) from the Mediterranean, with a key to the European and Mediterranean species of the genus. *Stuttgarter Beiträge zur Naturkunde A*, 5, 271-286.
- Cerretti, P., Lo Giudice, G. & O'Hara, J.E. (2014). A new *Loewia* Egger (Diptera: Tachinidae) from Turkey, with taxonomic and nomenclatural remarks on congeners. *Zootaxa*, 3754 (4), 450-460.
- Çakıllar, M. & Nizamioğlu, K. (1953). Türkiyede yeni bulunan bir *Carpocapsa pomonella* paraziti *Neoplectops* (= *Craspedothricha* End.) *veniseta* (Stein). *Tomurcuk*, 2(14), 8-9.
- Çakıllar, M. (1959). *Marmara Bölgesinde Zeytin Güvesinin Biyolojisi Üzerinde Araştırmalar*. T.C. Ziraat Vekâleti Ziraî Mücadele ve Ziraî Karantina Umum Müdürlüğü, Turkey.
- Çanakçıoğlu, H. (1959). Investigations on fighting tools with insects and some important pests that are attacking seeds of our forest trees. *İstanbul Üniversitesi Orman Fakültesi Dergisi*, A9, 126-167.
- Çanakçıoğlu, H. (1993). *Orman Entomolojisi*. (Özel Basım İstanbul). İstanbul Üniversitesi, İstanbul, Turkey.
- Çerçi, B. (2017). Three First Records of Diptera Species for the Fauna of Turkey. *Ukrainska Entomofaunistyka*, 8 (2), 23-25.
- Çobanoğlu, S. (1994). Edirne ilinde kavaklarda zararlı Kavak beyazkelebeği *Leucoma salicis* (L.) (Lep., Lymantriidae)'in yumurta, larva ve pupa asalakları üzerinde araştırmalar. *Türkiye Entomoloji Dergisi*, 18(1), 21-34.
- Çoruh, S. & Kara, K. (2011). *Medina separata* (Meigen 1824), a new record for Turkish Tachinidae (Diptera). *Turkish Journal of Zoology*, 35, 445-446.
- Dikyar, R. (1981). Biology and control of *Aelia rostrata* in central Anatolia. *European and Mediterranean Plant Protection Organisation Bulletin*, 11(2), 39-41.
- Doğanlar M. 1975. *Erzurum Bölgesinde Önemli Lepidopter Tırtıllarında Bulunan Tachinidae Sinekleri ve Bunların Kısa Biyolojileri*. Atatürk Üniversitesi, Erzurum, Turkey.
- Doğanlar, M. (1982a). Doğu Anadolu'da saptana bazı parazit sinekler 1. Exoristinae (Diptera: Tachinidae). *Türkiye Bitki Koruma Dergisi*, 6(3), 161-173.
- Doğanlar, M. (1982b). Doğu Anadolu'da saptana bazı parazit sinekler 2. Echinomyiinae, Dexiinae, Phasiinae (Diptera, Tachinidae). *Türkiye Bitki Koruma Dergisi*, 6(4), 209-220.
- Doğanlar, M. & Döken, T. (1985). *Gypsonoma minutana* (Lepidoptera, Olethreutidae) and its natural enemies in eastern Anatolia. *Türkiye Bitki Koruma Dergisi*, 9, 199-206.
- Duman, M. & Sertkaya, E. (2015). Adult parasitoid species and parasitization rates of Sunn pest *Eurygaster integriceps* Puton (Hemiptera: Scutelleridae) and fecundity of the parasitised females in Karacadağ overwintering region and Diyarbakır cereal fields. *Türkiye Entomoloji Bülteni*, 5(2), 85-94.
- Duman, M., Güz, N. & Sertkaya, E. (2015). DNA barcoding of sunn pest adult parasitoids using cytochrome c oxidase subunit I (COI). *Biochemical Systematics and Ecology*, 59, 70-77.
- Dupuis, C. (1963). Essai monographique sur les Phasiinae (Diptères Tachinaires parasites d' Hétéroptères). *Mémoires du Muséum National d' Histoire Naturelle, Paris. Série A (Zoologie)*, 26, 1-461.
- Efil, L. & Kara, K. (2004). Tachinid parasitoids (Diptera: Tachinidae) of *Spodoptera exigua* in cotton fields in Diyarbakır, Turkey. *Phytoparasitica*, 32(4), 363-366.
- Eroğlu, M. (1995). *Compsilura concinnata* (Meigen) (Diptera, Tachinidae)'nın *Euproctis chryssorrhoea* (L.) (Lepidoptera, Lymantriidae) üzerindeki gelişimi ve etkinliğinin araştırılması. *Türkiye Entomoloji Dergisi*, 19(3), 169-176.
- Erol, T. & Yaşar, B. (1996). Studies on determination of harmful and beneficial fauna in the apple orchards in Van province. *Türkiye Entomoloji Dergisi*, 20, 281-293.
- Ertürk, H. (1963). Batı Anadolu incirlerinde Zarar Yapan Lepidopter'lerden Phycitidae Familyası Türleri ve Bunlardan İncir Kurdu (*Ephestia cautella* Walk.)'un Biyolojisi, Zarar Şekli ve Mücadele İmkânları Üzerinde Çalışmalar. *Tarım Bakanlığı, Bornova Ziraî Mücadele Enstitüsü Yayınları Teknik Bülten*, 9, 117. İzmir, Türkiye.

- Ford, T.H., Shaw, M.R., & Robertson, D.M. (2000). Further host records of some West Palaearctic Tachinidae (Diptera). *The Entomologist's Record and Journal of Variation*, 112, 25-36.
- Gençer, L. (2003). The Parasitoids of *Yponomeuta malinellus* Zeller (Lepidoptera: Yponomeutidae) in Sivas. *Turkish Journal of Zoology*, 27, 43-46.
- Gençer, L. & Doğanlar, M. (1996). Tokat-merkezdeki elma bahçelerinde elma ağ kurdu (*Hyponomeuta malinellus* Zell.) pupalarından çıkan parazitler ve aralarındaki bazı biyolojik ilişkiler. *Cumhuriyet Üniversitesi Fen-Edebiyat Fakültesi Fen Bilimleri Dergisi*, 19, 11-18.
- Gilasian, E., Talebi, A.A., Ziegler, J., Manzari, S., & Parchami-Araghi, M. (2013). A review of the genus *Cylindromyia* Meigen (Diptera: Tachinidae) in Iran, with the description of two new species and the newly discovered male of *C. persica* Tschorsnig. *Studia dipterologica*, 20(2), 299-324.
- Gilasian, E., Ziegler, J., & Parchami-Araghi, M. (2016). A review of the genus *Minthodes* Brauer & Bergenstamm (Diptera: Tachinidae) in Iran, with the description of a new species, *Zootaxa*, 4173(2), 125-136.
- Gilasian, E., Ziegler, J., & Parchami-Araghi, M. (2018). Review of the genus *Trichactia* Stein (Diptera: Tachinidae) in the Palaearctic Region, with the description of a new species from Iran and the East Mediterranean. *Zootaxa*, 4526(2), 207-220.
- Gözüaçık, C. & Mart, C. (2009). Güneydoğu Anadolu Bölgesi'nde mısırdaki (*Zea mays* L.) zararlı bazı Lepidoptera larvalarının doğal parazitlenme oranlarının belirlenmesi. *Bitki Koruma Bülteni*, 49(3), 107-116.
- Gözüaçık, C., Mart, C., & Kara, K. (2009). Parasitoids of several lepidopterous pests in maize plantations in the Southeast Anatolian Region of Turkey. *Turkish Journal of Zoology*, 33, 475-477.
- Gözüaçık, C., Kara, K., Karaca, V., Duman, M., Mutlu, Ç., & Melan K. (2010). Güneydoğu Anadolu Bölgesi'nde Süne, *Eurygaster integriceps* Put. (Het.: Scutelleridae)'nin ergin parazitöitleri ve etkinlikleri. *Harran Üniversitesi Ziraat Fakültesi Dergisi*, 14(1), 1-8.
- Gün, G. (2010). Adıyaman, Gaziantep ve Hatay İllerinde Süne (*Eurygaster integriceps* put.) (Heteroptera: Scutelleridae) Ergin Parazitöitleri (diptera: tachinidae) ve Bazı Biyolojik Özellikleri. Yüksek Lisans Tezi, Mustafa Kemal Üniversitesi, Hatay.
- Gürkan, İ. (2010). Tokat kazova domates ekim alanlarında görülen zararlılar ve bunlar üzerinde yaşayan doğal düşmanların tespiti üzerinde araştırmalar. Yüksek Lisans Tezi, Tokat Gaziosmanpaşa Üniversitesi, Fen Bilimleri Enstitüsü, Tokat, 35.
- Gürses, A. (1975). Trakya Bölgesinde Altın Kelebek (*Euproctis chrysorrhoea* L.)' in Biyo-Ökolojisi ve Savaşı Üzerinde Araştırmalar. *Zirai Mücadele ve Zirai Karantina Genel Müdürlüğü*, 8, 79. İstanbul, Türkiye
- Herting, B. (1960). *Biologie der westpaläarktischen Raupenfliegen (Dipt., Tachinidae)*. Monographien zur angewandten Entomologie, Hamburg und Berlin.
- Herting, B. (1966). Beiträge zur Kenntnis der europäischen Raupenfliegen (Dipt. Tachinidae). IX. *Stuttgarter Beiträge zur Naturkunde*, 146, 1-12.
- Herting, B. (1979). Beschreibungen neuer Raupenfliegen (Dipt.: Tachinidae) und Revision der *Besseria anthophila*-Gruppe. *Stuttgarter Beiträge zur Naturkunde. Serie A*, 323, 1-10.
- Herting, B. (1983a). Phasiinae. In E, Lindner (Ed.). *Die Fliegen der paläarktischen Region*. 64c (Lieferung 329).
- Herting, B. (1983b). Determination list of entomophagous insects Nr. 9. *International Organization for Biological and Integrated Control of Noxious Animals and Plants/West Palaearctic Regional Section Bulletin*, 6(1), 49.
- Herting, B. (1984). Catalogue of Palearctic Tachinidae (Diptera). *Stuttgarter Beiträge zur Naturkunde, Serie A (Biologie)*, 369, 1-228.
- Herting, B. (1985). Description of a new species of Tachinidae (Diptera) from Israel and remarks on three little known species. *Israel Journal of Entomology*, 19, 85-88.
- Herting, B. (1987). Beiträge zur Kenntnis der paläarktischen Raupenfliegen (Dipt. Tachinidae), XVII.

Checklist of Turkish Tachinidae (Insecta, Diptera) with New Records

Stuttgarter Beiträge zur Naturkunde, A, 408, 1-14.

- Herting, B. (1989). Determination list of entomophagous insects Nr. 11. *International Organization for Biological and Integrated Control of Noxious Animals and Plants/West Palaearctic Regional Section Bulletin*, 12(7), 63.
- Herting, B. & Dely-Draskovits, Á. (1993). *Family Tachinidae*. In A, Soós, L, Papp (Eds.). *Catalogue of palaearctic Diptera. Anthomyiidae-Tachinidae* (pp. 118-458). Budapest.
- Herting, B. & Tschorsnig, H-P. (1986). The Tachinidae (Diptera) of the Canary Islands. *Stuttgarter Beiträge zur Naturkunde, Serie A (Biologie)*, 394, 1-15.
- Herting, B. & Tschorsnig, H-P. (1993). Determination list of entomophagous insects Nr. 12. *International Organization for Biological and Integrated Control of Noxious Animals and Plants/West Palaearctic Regional Section Bulletin*, 16(3), 56.
- İren, Z. (1952). Türkiye'de yeni bulunan *Hyponomeuta padella* L. ve *Carpocapsa (Cydia) pomonella* L. parazitleri. *Bitki Koruma Bülteni*, 4, 16-18.
- Işık, M., Ecevit, O., Kurt, A., & Yüceci, T. (1987). *Doğu Karadeniz Bölgesi Fındık Bahçelerinde Entegre Savaş Olanakları Üzerinde Araştırmalar*. Ondokuz Mayıs Üniversitesi, Samsun, Türkiye.
- İslamoğlu, M. & Kornoşor, S. (2003). Gaziantep - Kilis illerinde kışlak ve buğday tarlalarındaki Süne ergin parazitleri (Diptera, Tachinidae) üzerinde araştırmalar. *Bitki Koruma Bülteni*, 43(1-4), 99-110.
- İslamoğlu, M. & Kornoşor, S. (2007). Investigations on the adult parasitoids (Diptera, Tachinidae) of the sunn pest in overwintering site and wheat fields in Kahramanmaraş. *Süleyman Demirel Üniversitesi, Ziraat Fakültesi Dergisi*, 2, 53-61.
- Kanat, M. & Türk, M. (2002). New cage method for struggling against *Thaumetopoea pityocampa* (Schiff). *Proceedings of pine processionary moth symposium*, Kahramanmaraş, Turkey; p. 109-114.
- Kansu, A. (1955). *Orta Anadolu Meyve ağaçlarına zarar veren bazı Makrolepidoptera türlerinin evsafı ve kısa biyolojileri hakkında araştırmalar*. Ziraat Vekaleti Neşriyat ve Haberleşme Müdürlüğü, Turkey.
- Kansu, A., Kılınçer, N., Uğur, N. & Gürkan, O. (1986). Ankara, Kırşehir, Nevşehir ve Niğde illerinde kültür bitkilerinde zararlı lepidopterlerin larva ve pupa asalakları. *Türkiye I. Biyolojik Mücadele Kongresi*, 12-14 Şubat 1986, Adana, Turkey, 146-161.
- Kara, K. (1998). Tokat ve çevresinde saptanan Exoristinae ve Phasiinae (Diptera: Tachinidae) altfamilyalarına ait sinekler üzerinde sistematik çalışmalar, Doktora tezi, Gaziosmanpaşa Üniversitesi Fen Bilimleri Enstitüsü, Tokat, 247.
- Kara, K. (1999a). Tachininae (Diptera: Tachinidae) species of the Tokat province. *Türkiye Entomoloji Dergisi*, 23(2), 121-134.
- Kara, K. (1999b). Dexiinae (Diptera: Tachinidae) species of the Tokat province. *Türkiye Entomoloji Dergisi*, 23(3), 203-210.
- Kara, K. (2001a). Additions to the fauna of Turkish Tachinidae (Insecta, Diptera). *Zoology in the Middle East*, 23(1), 85-88.
- Kara, K. (2001b). Amasya İlinde saptanan Bazı Exoristinae, Tachininae ve Dexiinae (Diptera: Tachinidae) türleri. *Türkiye Entomoloji Dergisi*, 25(3), 217-222.
- Kara, K. (2002). Contributions to the Turkish Tachinidae (Diptera: Tachinidae). *Zoology in the Middle East*, 27(1), 118-119.
- Kara, K. & Aksu, S. (2007). Eskişehir ve çevresinde belirlenen bazı Tachinidae (Insecta: Diptera) türleri. *Türkiye II. Bitki Koruma Kongresi*, 27-29 Ağustos 2007, Isparta, Turkey, 166.
- Kara, K. & Aksu, S. (2008). Contributions to the Turkish Tachinidae (Diptera) fauna. *Turkish Journal of Zoology*, 32, 227-228.
- Kara, K. & Alaoğlu, Ö. (1999). Tokat ve çevresinde saptanan Phasiinae (Diptera: Tachinidae) altfamilyasına ait sinekler üzerinde sistematik çalışmalar. *Türkiye IV. Biyolojik Mücadele Kongresi*, 26-29 Ocak 1999, Adana, Turkey, 563-586.
- Kara, K. & Alaoğlu, Ö. (2001). Some new host records of Tachinidae (Diptera) from Turkey. *Studia Dipterologica*, 8(1), 349-351.

- Kara K, Alaoğlu Ö. 2002. Türkiye Tachinidae (Diptera) faunası için yeni kayıtlar. *Türkiye 5. Biyolojik Mücadele Kongresi*. 4-7 Eylül 2002, Erzurum, Turkey, 217-225.
- Kara, K. & Atay, T. (2015). Two new coleopterous hosts records of Tachinidae (Diptera) with a new tachinid for the Turkish fauna. *Journal of the Entomological Research Society*, 17(1), 83-86.
- Kara, K. & Bayram, S. (1999). New records of Tachinidae (Diptera) from Turkey *Journal of the Entomological Research Society*, 1(2), 17-20.
- Kara, K. & Özdemir, Y. (2000). Tachinid flies (Diptera, Tachinidae) reared from lepidopterous larvae in Central Anatolia (Turkey). *Zoology in the Middle East*, 20, 117-120.
- Kara, K. & Tschorsnig, H-P. (2003). Host catalogue for the Turkish Tachinidae (Diptera). *Journal of Applied Entomology*, 127, 465-476.
- Kara, K. Gözüaçık, C., & Mart, C. (2007). Tachinid parasitoids (Diptera: Tachinidae) of *Mythimna (Acantholeucania) loreyi* in the southeast Anatolian Region of Turkey. *Phytoparasitica*, 35(2), 136-139.
- Kara, K., Korkmaz, Y. & Kırkoğlu, S. (2010). New Records for Turkish Tachinidae (Diptera) Fauna. *Turkish Journal of Zoology*, 34, 275-277.
- Karagöz, M., Aksu, S., Gözüaçık, C., & Kara, K. (2011). *Microphthalma europaea* Egger (Diptera: Tachinidae), a new record for Turkey. *Turkish Journal of Zoology*, 35, 887-889.
- Karsavuran, Y. & Kara, K. (2003). Tachinid parasitoids of *Ancyrosoma leucogrammes* and notes on parasitization rates of *Clytiomya dupuisi*. *Phytoparasitica*, 31(4), 371-372.
- Karsavuran, Y. (1986). Karsavuran, Y., 1986: Bornova (İzmir) koşullarında çeşitli kültür bitkilerinde zarar yapan *Dolycoris baccarum* (L.) (Heteroptera: Pentatomidae)'un biyolojisi ve ekolojisi üzerinde araştırmalar. *Türkiye Bitki Koruma Dergisi*, 10(4), 213-230.
- Kavut, N., Dinçer, J., & Karman, M. (1974). Ege Bölgesi pamuk zararlılarının predatör ve parazitleri üzerinde ön çalışmalar. *Bitki Koruma Bülteni*, 14(1), 19-28.
- Kaya, K. & Kornoşor, S. (2008). Hatay ilinde önemli kışık sebze alanlarında bulunan zararlı Lepidoptera türleri, parazitoitleri ve zararlı türlerden önemli olanların popülasyon dalgalanmaları. *Türkiye Entomoloji Dergisi*, 32(3), 195-209.
- Kaya, M. & Kovancı, B. (2000). Bursa ilinde Yeşilkurt, *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae)'nın Biyolojisi Üzerinde Araştırmalar. *Yüzüncü Yıl Üniversitesi Tarım Bilimleri Dergisi*, 10(1), 37-43.
- Kaya, K., Cengiz, F.C., Çalışkan, M.E., & Çalışkan S. (2016). The lepidopteran pests of sweet potato: first record of *Helcystogramma triannulella* (Herrich-Schäffer) (Lepidoptera: Gelechiidae) with population development and natural enemies in Turkey. *Türkiye Entomoloji Dergisi*, 40(2), 149-156.
- Kayapınar, A. & Kornoşor, S. (1992). Çukurovada *Ostrinia nubilalis* Hübner (Lepidoptera: Pyralidae)' in doğal düşmanları ve bunlardan *Trichogramma evanescens* Westwood (Hym.: Trichogrammatidae)' in yayılış alanı ile doğal parazitlenme oranının belirlenmesi. *Türkiye II. Entomoloji Kongresi*, 28-31 Ocak 1992, Adana, Turkey, 89-98.
- Keçeci, M., Tekşam, İ., Topuz, E., & Öztop A. (2007). Determination of adult parasitoid species (Dip.:Tachinidae) of Sunn Pests (*Eurygaster integriceps* Put.) (Het.: Scutelleridae) and Their Parasitoid Ratios in Antalya and Burdur Provinces. *Türkiye II. Bitki Koruma Kongresi*, 27-29 Ağustos 2007, Isparta, Turkey, 174.
- Khan, S.M. & Özer M. (1984). *Agrotis* spp. (Lepidoptera: Noctuidae) Parazitlerinin Saptanması ve Önemli Görülenlerin Konukçuları İle Biyolojik İlişkileri. Ankara, Turkey: Ankara Üniversitesi Fen Bilimleri Enstitüsü. Yayın BK7; p. 19.
- Kılıç, N. & Alaoğlu Ö. (1996). Kılıç, N.; Alaoğlu, Ö., 1996: Erzurum' da Kavaklarda zararlı *Leucoma salicis* (L.) (Lepidoptera, Lymantriidae) (Kavak beyaz kelebeği)' in biyolojisi ve parazitoitleri üzerinde araştırmalar. *Türkiye Entomoloji Dergisi*, 20(4), 269-279.
- Kıvan, M. (1996). Tekirdağ ilinde *Eurygaster integriceps* Put. (Heteroptera, Scutelleridae)' in endoparazitleri ve etkinlikleri üzerinde araştırmalar. *Türkiye Entomoloji Dergisi*, 20(3), 211-216.

Checklist of Turkish Tachinidae (Insecta, Diptera) with New Records

- Korkmaz, Y. (2007). Batı Karadeniz Bölgesi Tachinidae (Hexapoda: Diptera) türleri üzerinde faunistik çalışmalar. Yüksek Lisans Tezi. Tokat Gaziosmanpaşa Üniversitesi, Fen Bilimleri Enstitüsü, Tokat, 53.
- Kovancı, B., Gencer, N.S., & Kaya, M. (1999). Uludağ (Bursa)'da Bulunan Apollon kelebeği, *Parnassius apollo* (L.) (Lepidoptera: Papilionidae) üzerinde Biyolojik ve Ekolojik Araştırmalar. *Turkish Journal of Agriculture and Forestry*, 23(4), 875-884.
- Kurt, A.M. (1975). Doğu Karadeniz fındıklarında zarar zapan *Palomena prasina* L. (Hemiptera: Pentatomidae)'nın biyo-ekolojisi üzerinde araştırmalar. Samsun Bölge Zirai Mücadele Araştırma Enstitüsü Yayınları.
- Lehmann, G. (1998). Der Einfluß der phonotaktischen parasitoiden Fliege *Therobia leonidei* (Tachinidae: Ormiini) auf die akustische Kommunikation von Laubheuschrecken (Insecta, Tettigonioidae, Phaneropteridae). *Mitteilungsblatt der Ethnologischen Gesellschaft*, 40, 1-43.
- Lekin, N. (2014). Faunistic studies on Tachinidae (Diptera) species in some uplands of Tokat Province. [Thesis]. Tokat: Gaziosmanpaşa University; p. 52.
- Lekin, N., Atay, T. & Kara, K. (2016a). Contributions to the Turkish Tachinidae (Diptera) fauna. *Journal of the Entomological Research Society*, 18(2), 73-78.
- Lekin, N., Kara, K. & Atay, T. (2016b.) Tachinidae (Diptera) species from some uplands in Tokat province (Turkey). *Journal of Agricultural Faculty of Gaziosmanpaşa University*, 33(1), 56-63.
- Lodos, N. (1952). *Alophora (Phoranthia) subcoleoprata* L., a parasite of *Eurygaster integriceps* new for Turkey. *Bitki Koruma Bülteni*, 2, 23-26.
- Lodos, N. (1953). *The bionomics and control of Eurygaster integriceps* Put. Türkiye Yüksek Ziraat Mühendisleri Birliği Neşriyatı, Turkey.
- Lodos, N. (1961). *The problem of the sunn pest (Eurygaster integriceps* Put.) in Turkey, Iraq, Iran and Syria (distribution, damage, biology, parasites, and fighting tools). Ege Üniversitesi Ziraat Fakültesi Yayınları, İzmir, Turkey.
- Lodos, N. (1986). *Türkiye Entomolojisi II. Genel Uygulamalı ve Faunistik*. Ege Üniversitesi Ziraat Fakültesi Yayınları; İzmir, Turkey.
- Lutovinovas, E., Tschorsnig, H-P., Barták, M., Kubík, Š., Dursun, O., Civelek, H.S., & Kara, K. (2018). Contribution to the tachinid fauna of southwestern Turkey (Diptera: Tachinidae). *Annales de la Société entomologique de France (N.S.)*, 54(4), 335-366.
- Melan, K. & Kara, K. (2004). *Ostrinia nubilalis* (Lepidoptera: Pyralidae)'in Batı Karadeniz Bölgesinde tesbit edilen Tachinidae (Diptera) parazitoidleri. *Türkiye 1. Bitki Koruma Kongresi Bildirileri*, 8-10 Eylül 2004, Samsun, Turkey, 69.
- Mellini, E. (1990). Synopsis of the Biology of Diptera Tachinidae. *Bollettino dell'Istituto di Entomologia "Guido Grandi" dell'Università di Bologna*, 45, 1-38.
- Memişoğlu, H. & Özer, M. (1994). Ankara ilinde Avrupa sünesi (*Eurygaster maura* L., Hemiptera: Scutelleridae)'nin doğal düşmanları ve etkinlikleri. *Türkiye 3. Biyolojik Mücadele Kongresi*, 25-28 Ocak 1994, İzmir, Turkey, 175-186.
- Memişoğlu, H., Özkan, M., & Melan, K. (1994). Orta Anadolu Bölgesinde Kıvımlı (*Aelia rostrata* Both. Hemiptera: Pentatomidae)'nin doğal düşmanları ve etkinlikleri. *Türkiye 3. Biyolojik Mücadele Kongresi*, 25-28 Ocak 1994, İzmir, Turkey, 187-194.
- Mesnil, L.P. (1944-1965). *Larvaevorinae (Tachininae)*. In: E, Linder (Ed.). Die Fliegen der Paläarktischen Region. Schweizerbart'sche Verlagsbuchhandlung, Stuttgart, 1-1435.
- Mesnil, L. P. (1980). *Dexiinae*. In E, Lindner (Ed.). Die Fliegen der palaearktischen Region. Schweizerbart'sche Verlagsbuchhandlung, Stuttgart, 9(64f): 52 pp.
- Mesnil, L.P. (1971). *Tachinidae*. In A, Comellini (Ed.). Liste d'identification des entomophages Nr. 8. Organisation internationale de lutte biologique et intégrée contre les animaux et les plantes nuisibles. (p. 64). Genève, Switzerland: Commission de taxonomie des entomophages.
- Mückstein, P., Tschorsnig, H-P., & Vaňhara, J. (2004). Some new host records of West Palaearctic Tachinidae (Diptera). *Dipterologica Bohemoslovaca*, 12(1), 111-113.

- Öğurlu, İ. (2000). *Biyolojik Mücadele*. Isparta, Süleyman Demirel Üniversitesi Yayınları, Isparta, Turkey.
- O'Hara, J.E., Henderson, S.J. & Wood, D.M. 2019. Preliminary checklist of the Tachinidae of the world. Version 1.0. PDF document, 681p. Retrieved from <http://www.nadsdiptera.org/Tach/WorldTachs/Checklist/Worldchecklist.html>.
- Öncüer, C. & Kıvanç, M. (1995). Tekirdağ ve Çevresinde *Eurygaster* (Heteroptera: Scutelleridae) Türleri, Tanımları, Yayılışları ve Bunlardan *Eurygaster integriceps* Put. ' in *Biyolojisi ve Doğal Düşmanları Üzerinde Araştırmalar*. *Turkish Journal of Agriculture and Forestry*, 19(4), 223-230.
- Öncüer, C. (1991). *Türkiye bitki zararlısı böceklerinin parazit ve predatör kataloğu*. Ege Üniversitesi Ziraat Fakültesi Yayınları, İzmir, Turkey.
- Öncüer, C., Yalçın, E. & Erkin, E. (1977). Ege Bölgesinde Meyve Ağaçlarında Zarar Yapan *Euproctis chrysorrhoea* L. (Lep: Lymantriidae) larvalarının doğal düşmanları ve bunların etkililik durumları. *Türkiye Bitki Koruma Dergisi*, 1(1), 39-47.
- Öncüer, C., Yalçın, E. & Erkin, E. (1978). The natural enemies of pupae of *Euproctis chrysorrhoea* L. and their efficacy which is harmful on fruit trees in Aegean Region of Turkey. *Türkiye Bitki Koruma Dergisi*, 2(1), 31-36.
- Önçaç, G. (1975). *Ege Bölgesinde Salkım Güvesi Lobesia (Polychrosis) botrana (Schiff. and Den.) (Lepidoptera: Tortricidae)' nın Tanınması, Yayılışı, Biyolojisi, Zararı, Doğal Düşmanları ve Kimyasal Savaş İmkanları Üzerinde Araştırmalar*. Zırai Mücadele ve Zırai Karantina Genel Müdürlüğü Araştırma Eserleri Serisi, 26, 68. Ankara, Turkey.
- Özbek, H. (2008). *Cnaemidophorus rhododactyla*, a new *Rosa* spp. pest for Turkey, and its new parasitoids. *Phytoparasitica*, 36 (5), 502-504.
- Özbek, H. & Çalmaşur, Ö. (2010). Spotted ash looper, *Abraxas pantaria* (L.) (Lepidoptera: Geometridae), a new ash pest in Turkey. *Turkish Journal of Zoology*, 34, 351-358.
- Özbek, H. & Çoruh, S. (2012). Larval parasitoids and larval diseases of *Malacosoma neustria* L. (Lepidoptera: Lasiocampidae) detected in Erzurum Province, Turkey. *Turkish Journal of Zoology*. 36, 447-459.
- Özbek, H., Tozlu, G. & Çoruh, S. (2009). Parasitoids of the Small Poplar Longhorn Beetle, *Saperda populnea* (L.) (Coleoptera: Cerambycidae) in the Aras Valley (Kars and Erzurum province), Turkey. *Turkish Journal of Zoology*, 33, 111-113.
- Özçankaya, İ.M. & Can, P. (2004). Research on the improvement of mechanical and biological pest control possibilities of *Thaumetopoea pityocampa* (Den. & Schiff.) (Lep.: Thaumetopoeidae) in the Kızılcım forestation area in the Muğla province. *TC Çevre and Orman Bakanlığı, Ege Ormanlık Araştırma Müdürlüğü. Teknik Bülteni*, 26, 84.
- Özdamar, M.H. (2002). Struggling method with islets against *Thaumetopoea pityocampa*. In: Kanat M, editor. Proceedings of pine processionary moth symposium, Kahramanmaraş, Turkey; pp. 101-108
- Özdemir, N. (1981). Investigations on the Bio-Ecology of the corn borer *Ostrinia nubilalis* Hbn. (Lepidoptera: Pyralidae) harming in the Blacksea Region. *Samsun, Turkey, Samsun Bölge Zırai Mücadele Araştırma Enstitüsü Müdürlüğü Araştırma Eserleri Serisi*, 26,1-86.
- Rauther, M. (1930). Bericht der Württ. Naturaliensammlung in Stuttgart (1.X.1929-31.XII.1930). *Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg*, 86, 12-30.
- Richter, V.A., Gültekin, L., & Korotyaev, B.A. (2002). *Zeuxia cinerea* Meigen new to the fauna of Northeastern Turkey (Diptera: Tachinidae). *Zoosystematica Rossica*, 11(1), 234.
- Robertson, D.M. & Shaw, M.R. (2012). Further rearing records of some West Palaearctic Tachinidae (Diptera). *Entomologist's Gazette*, 63(3),161-172.
- Sahebari, F.S., Khaghaninia, S., & Ziegler, J. (2013). Contribution to the knowledge of the tachinid flies of the subfamily Tachininae (Diptera, Tachinidae) in northwestern Iran. *Studia dipterologica*, 20(2), 285-295.
- Sahebari, F.S., Khaghaninia, S., & Ziegler, J. (2014). Faunistic study on tachinid flies of the subfamily Dexiinae (Diptera: Tachinidae) in northwestern Iran. *Studia Dipterologica*, 21(2), 243-256.
- Schimitschek, E. (1944). *Forstinsekten der Türkei und ihre Umwelt*, 371 pp. Prague: Volk und Reich Verlag.

Checklist of Turkish Tachinidae (Insecta, Diptera) with New Records

- Sertkaya, E. & Bayram, A. (2005). Parasitoid Community of the Loreyi Leaf Worm *Mythimna (=Acantholeuconia) loreyi*: Novel Host-Parasitoid Associations and Their Efficiency in the East Mediterranean Region of Turkey. *Phytoparasitica*, 33, 441-449.
- Şimşek, N., Güllü, M., & Yaşarbaş M. (1994). Akdeniz Bölgesinde Süne (*Eurygaster integriceps* Put.)' nin doğal düşmanları ve etkinlikleri üzerinde araştırmalar. *Türkiye III. Biyolojik Mücadele Kongresi*, 25-28 Ocak 1994, İzmir, Turkey, 155-164.
- Soydanbay, M. (1976). Türkiye'de bitki zararlısı bazı böceklerin doğal düşman listesi. Kısım I. *Bitki Koruma Bülteni*. 16(1), 32-46.
- Soydanbay, M. (1978). Türkiye'de bitki zararlısı bazı böceklerin doğal düşman listesi. Kısım II. *Türkiye Bitki Koruma Dergisi*, 2(2), 61-92.
- Steiner, P. (1937). Beiträge zur Kenntnis der Schädlingfauna Kleinasien III. *Laphygma exigua* Hb., ein Groß-Schädling der Zuckerrübe in Anatolien. *Zeitschrift für angewandte Entomologie*, 23(2), 177-222.
- Stireman, J.O., O'Hara, J.E. & Wood, D.M. (2006). Tachinidae: Evolution, behavior and ecology. *Annual Review of Entomology*, 51(1), 525-555.
- Sullivan, G.T. & Ozman-Sullivan, S.K.. (2012). Tachinid (Diptera) parasitoids of *Hyphantria cunea* (Lepidoptera: Arctiidae) in its native North America and in Europe and Asia. *Entomol Fennica*, 23(4), 181-192.
- Sullivan, G.T., Karaca, İ., Ozman-Sullivan, S.K., & Kara, K. (2012). Tachinid (Diptera: Tachinidae) parasitoids of overwintered *Hyphantria cunea* (Drury) (Lepidoptera: Arctiidae) pupae in hazelnut plantations in Samsun province, Turkey. *Journal of the Entomological Research Society*, 14(1), 21-30.
- Sun, X-K. & Marshall, S.A. (2003). Systematics of *Phasia* Latreille (Diptera: Tachinidae). *Zootaxa*, 276 (1), 1-320.
- Tek, S.E. & Okyar, Z. (2017). Biological observations on some herbivorous insects. *Trakya University Journal of Natural Sciences*, 18(1), 59-64.
- Tek, S.E. & Okyar, Z. (2018). A contribution to the knowledge of parasitoids of insects associated with Rosaceae species from Edirne province, European Turkey. *Acta Biologica Turcica*, 31(3), 86-101.
- Tosun, İ. (1977). Investigations on the parasites and predators of insects and important species damaging the coniferous forests of the Mediterranean Region. *Orman Genel Müdürlüğü Yayınları İstanbul*, 612 (24), 201.
- Tozlu, G. & Çoruh, S. (2011). Parasitoids of *Cynaeda gigantea* (Wocke, 1871) (Lepidoptera: Crambidae), a pest of *Anchusa leptophylla* Roemer and Schultes (Boraginaceae) from the East Anatolia Region of Turkey. *Journal of the Entomological Research Society*, 13(3), 117-124.
- Tozlu, G. & Kara, K. (2007). The first host record for *Zeuxia zejana* Kolomiets, 1971 (Diptera: Tachinidae) from Turkey. *Turkish Journal of Zoology*, 31, 357-358.
- Tschorsnig, H-P. & Kara, K. (2002). A new species of *Bithia* (Diptera: Tachinidae) from Turkey. *Stuttgarter Beiträge zur Naturkunde, Serie A*, 644, 4 pp.
- Tschorsnig, H-P. & Herting, B. (1998). A new species of the genus *Meigenia* Robineau-Desvoidy (Diptera: Tachinidae). *Stuttgarter Beiträge zur Naturkunde, Serie A*, 569, 5 pp.
- Tschorsnig, H-P. (2000). Three new species of Palearctic Tachinidae (Diptera). *Stuttgarter Beiträge Zur Naturkunde, Serie A*, 603, 9.
- Tschorsnig, H-P. (2005). Determination list of entomophagous insects Nr. 14. *International Organization for Biological and Integrated Control of Noxious Animals and Plants/West Palaearctic Regional Section Bulletin*, 28 (11), 71.
- Tschorsnig, H-P. (2017). Preliminary host catalogue of Palearctic Tachinidae (Diptera), 480 pp. http://www.nadsdiptera.org/Tach/WorldTachs/CatPalHosts/Cat_Pal_tach_hosts_Ver1.pdf. (15.08.2019).
- Tschorsnig, H-P. & Herting B. (1997). Determination list of entomophagous insects Nr. 13. *International Organization for Biological and Integrated Control of Noxious Animals and Plants/West Palaearctic Regional Section Bulletin*, 20(2), 53.

- Tschorsnig, H-P. & Richter, V.A. (1998). *Family Tachinidae*. In L, Papp, B, Darvas (Eds.). Contributions to a Manual of Palaearctic Diptera (pp. 691-827). Budapest, Science Herald.
- Tuatay, N., Kalkandelen, A., & Aysev Çağatay, N. (1972). *Nebat Koruma Müzesi Böcek Kataloğu (1961-1971)*. Zirai Mücadele ve Zirai Karantina Genel Müdürlüğü Yayınları Mesleki Kitaplar Serisi, Ankara, Turkey.
- Tunca, H., Kara, K., & Özkan, C. (2009). Two Tachinid (Diptera: Tachinidae) parasitoids of *Diprion pini* (L.) (Hymenoptera: Diprionidae), Along with a new record for the Turkish Tachinidae Fauna. *Turkish Journal of Zoology*, 33, 241-244.
- Tuncer, C. & Ecevit, O. (1996). Studies on the short biology of fall webworm (*H. cunea* Drury, Lep.: Arctiidae) in hazelnut growing area of Samsun province and its natural enemies; Fındık ve Diğer Sert Kabuklu Meyveler Sempozyumu. Ondokuz Mayıs Üniversitesi Ziraat Fakültesi; Ocak 10-11; Samsun; p. 134-145.
- Ulu, O. (1983). *İzmir ve Manisa İleri Çevresi Taş Çekirdekli Meyve Ağaçlarında Zarar Yapan Archips (Cacoecia) spp. (Lep: Tortricidae) Türleri, Tanınmaları, Konukçuları, Yayılışları ve Kısa Biyolojileri Üzerinde Araştırmalar*. Bornova Bölge Zirai Mücadele Araştırma Enstitüsü Müdürlüğü Araştırma Eserleri, 45, 165. İzmir, Turkey.
- Uzun, S. (1987). İzmir ilinde lahana ve karnabaharlarda zarar yapan lahana kelebeği (*Pieris brassicae* (L.) (Lepidoptera: Pieridae)' nin parazitleri. *Türkiye Entomoloji Dergisi*, 11(4), 237-245.
- Vaňhara, J., Tschorsnig, H.-P., Herting, B., Mückstein, P. & Michalková, V. (2009). Annotated host catalogue for the Tachinidae (Diptera) of the Czech Republic. *Entomologica Fennica*, 20, 22-48.
- Yabaş, C. & Zeren, O. (1987). Research on the biology of cabbage webworm (*Hellula undalis* F.) (Lepidoptera: Pyralidae) I. Türkiye Etomoloji Kongresi; İzmir; p. 229-238.
- Yüksel, M. (1968). *Güney ve Güneydoğu Anadolu'da Süne Eurygaster integriceps Put.'un Yayılışı, Biyolojisi, Ekolojisi, Epidemiyolojisi ve Zararı Üzerinde Araştırmalar*. TC Tarım Bakanlığı Zirai Mücadele ve Zirai Karantina Genel Müdürlüğü Yayınları, 46, 255. Ankara, Turkey.
- Yıldız, Y. (2018). A new dipteran parasitoid of Rose Sawfly from Turkey: *Vibrissina turrata* (Meigen, 1824). Kastamonu Üniversitesi, Orman Fakültesi Dergisi, 18(3), 288-291.
- Zeki H., Özdem, A., & Bozkurt, V. (1999). Burdur ilinde anasonda (*Pimpinella anisum* L.) zararlı Anason güvesi [*Depressaria cf. daucivorella* Rag. (Lep.: Oecophoridae)] larvarlarının doğal düşmanları ve larvarların parazitlenme oranları. *Bitki Koruma Bülteni*, 39, 35-43.
- Ziegler, J. (2010). Revision of the genus *Germaria* Robineau-Desvoidy (Diptera, Tachinidae) from Greece, with descriptions of two new species. *Deutsche Entomologische Zeitschrift*, 57(1), 43-57.
- Ziegler, J. (2011). Rezente Arealerweiterungen bei Wanzenfliegen (Diptera: Tachinidae, Phasiinae) in Nordostdeutschland und eine Übersicht zur Gesamtverbreitung von fünf Arten. *Studia Dipterologica*, 18, 29-54.
- Ziegler, J. (2015). An overview of the genus *Germaria* Robineau-Desvoidy (Diptera, Tachinidae) in Central Asia, with the description of two new species. *Studia Dipterologica*, 21, 231-242.
- Ziegler, J., Lutovinovas, E., & Zhang, C.T. (2016). Tachinidae. Part 2. The taxa of the *Dinera carinifrons* species complex (Diptera, Tachinidae), with the description of a new West Palaearctic subspecies and three lectotype designations. *Studia dipterologica*, Supplement 21, 249-275.
- Zimin, L.S. (1966). A review of the tribe Gymnosomatini (Diptera, Tachinidae) of the fauna of the USSR, parasitizing phytophagous bugs. *Entomologicheskoe Obozrenie*, 45, 424-456. [In Russian].
- Zwölfer, W. (1932). Beiträge zur Kenntnis der Schädlingsfauna Kleinasiens II. Über die Beziehungen der Getreidewanze *Eurygaster integriceps* Put. zu biotischen Umweltfaktoren. *Zeitschrift für angewandte Entomologie*, 19(2), 161-187.