

The Some Lygaeidae (Hemiptera: Heteroptera) Family Species by Collected by Light Traps in Western Turkey

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ABSTRACT: This study was carried out between 2013 to 2017 years in Western Turkey. The species were collected by light traps. Totally; The seven species were recorded in Lygaeidae Family. These are: *Remaudiereana annulipes* (Barensprung, 1859), *Eremocoris abietis* (L., 1758), *Beosus quadripunctatus* (Müller, 1766), *Nysius cymoides* (Spinola, 1837), *Lamprodema maura* (Fab., 1803), *Metopoplax origani* (Kolenati, 1845) *Camptocera glaberrima* (Walker, 1872). All of specimens were faunistically important for their fauna.

KEYWORDS: Lygaeidae, Western Turkey, New Faunistic Records.

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INTRODUCTION

The Lygaeidae are a family in the Hemiptera (true bugs), with more than 110 genera in 4 subfamilies. The family includes the insects commonly known as milkweed bugs, and also some of those known as seed bugs (Dellapé et al., 2019). Although there have been local studies in Western Turkey, there has not been any detailed study on this area up to now. The studies of Aysev (1974), Lodos et al. (1978) and

Çakır & Önder (1990), Abacıgil et al., (2010); are the other important studies on fauna of Turkish Lygaeidae. During this time; Totally 149 species were found in 59 genera and in 12 families in Central Anatolia and Western Black Sea Regions locations (Lodos et al. 1999). In the last time study on Lygaeoidea; three species were recorded from Turkey: *Emblethis solitarius* Jakovlev, 1882; *Orsillodes longirostris* Puton, 1884 (both Rhyparochromidae) and *Horvathiolus*

kiritschenkoi kiritschenkoi Josifov, 1965 (Çerçi and Tezcan, 2020). Studies on this family need to be detailed in Western part of Turkey.

MATERIAL AND METHODS

The Lygaeidae species were collected in different habitats in İzmir, Aydın, Denizli and Manisa provinces. One light trap on the ground was used for each area from the mid June to the mid September. A 20 watt Philips energy saver white day light bulb was used at each trap and traps were cleared at two weeks intervals. The specimens were identified by Armand Matocq (Paris/France).

RESULTS

Remaudiereana annulipes (Barensprung, 1859)

Material examined: Manisa, Alaşehir, 01.08.2013, 2 male, 1 female, **Totally:** 3 exc.

Distribution in Turkey: Adana, Balıkesir, İzmir, İstanbul (Abacıgil et al., 2010; Yazıcı et al., 2015; Anonymous, 2021).

Note: New record in Manisa province.

Eremocoris abietis (Linnaeus, 1758)

Material examined: İzmir, Seferihisar, 15.08.2013, 4 male, 1 female, **Totally:** 5 exc.

Distribution in Turkey: Bitlis (Tatvan) (Pericart, 1998).

Note: Second record in Turkey fauna.

Beosus quadripunctatus (Müller, 1766)

Material examined: Manisa, Alaşehir, 15.07.2013, 3 male, **Totally:** 3 exc.

Distribution in Turkey: Widespread (Önder et al., 2006; Matocq & Özgen, 2010; Özgen et al., 2018).

Nysius cymoides (Spinola, 1837)

Material examined: Manisa, Alaşehir, 01.08.2013, 12 male, 13 female, **Totally:** 25 exc

Distribution in Turkey: Widespread (Özgen et al., 2020).

Lamprodema maura (Fabricius, 1803)

Material examined: Manisa, Alaşehir, 01.07.2013, 15 male, 6 female, **Totally:** 21 exc

Distribution in Turkey: Balıkesir, Diyarbakır, Edirne (Abacıgil et al., 2010; Tezcan et al., 2010).

Metopoplax origani (Kolenati, 1845)

Material examined: İzmir, Seferihisar, 15.08.2013, 5 male, **Totally:** 5 exc

Distribution in Turkey: Widespread (Çerçi et al., 2018).

Camptocera glaberrima (Walker, 1872)

Material examined: İzmir, Seferihisar, 15.05.2013, 14 male, 7 female, **Totally:** 21 exc

Distribution in Turkey: Adana, Diyarbakır, Kahramanmaraş, Hatay, Gaziantep, Siirt (Önder & Adıgüzel, 1979; Çağatay, 1985; Önder et al., 2006; Matocq & Özgen, 2010).

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