

## A NEWLY FAUNISTIC NOTES ON STAPHYLINIDAE (COLEOPTERA) IN TURKEY

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**[Özgen, İ., Örgel, S., Yaman, S. & Ayaz, T. 2018. A newly faunistic notes on Staphylinidae (Coleoptera) in Turkey. Munis Entomology & Zoology, 13 (2): 503-506]**

**ABSTRACT:** In this study, 17 species of Staphylinidae from Turkey are reported. Among them, *Rugilus angustatus* (Kolenati, 1846), *Astenus thoracicus* (Baudidi Selve, 1857), *Luzea graeca* (Kraatz, 1857), *Megalinus scutellaris* (Fauvel, 1900), *Ocypus ophthalmicus* (Scopoli, 1763) and *Omalium rivulare* (Paykull, 1789) are recorded from Eastern Anatolia for the first time. In addition, *Platydracus stercorarius* (Olivier, 1795) is reported from Aegean Region of Turkey for the first time.

**KEY WORDS:** Coleoptera, Staphylinidae, fauna, new regional records, Turkey

The Staphylinidae is most important family of the order Coleoptera, comprising about 57,000 species belonging to 33 subfamilies in all zoogeographical regions of the world (Herman, Newton, 2007). Staphylinids are common inhabitants of many different organic substrates in decomposition (Klimaszewski, 2000). Staphylinidae family members are mostly all moistly habitat in the world. None of them is truly aquatic. They live in leaf litter of woodland and forest floors and grasslands. They concentrate in fallen decomposing fruits, decaying plant materials, animal dung, carrion, different nests of vertebrate animals, the space under loose bark of fallen, drifted plant materials on banks of rivers and lakes. In Turkey; over the last decade, a number of studies have been carried out, including new and important findings with biodiversity and habitat preferences of this family. According to recent contributions, the family Staphylinidae contains more than 1900 species in Turkey (Anlaş, 2009; Schülke & Smetana, 2015; updated). But Staphylinidae fauna of Turkey is incomplete, because most probably, so many species remain unknown. The number of Staphylinidae species is expected to increase. With this work, many new regional records in the Eastern Anatolia are given.

### MATERIAL AND METHODS

The present paper is based on material collected between 1998–2017. The reference specimens for the records from Turkey are stored in the collection of the Alaşehir Zoological Museum, Manisa (AZMM) of Manisa Celal Bayar University.

### RESULTS

#### ***Omalium rivulare* (Paykull, 1789)**

**Material examined:** **Elazığ:** 2 exs, 15.X. 2016. Sütluçe, leg. Özgen. **Erzurum:** 3 exs, 15.VII.2012, Oltu, Kırdağ, 40°31'24"N, 42°07'02"E, leg. Koç.

**Distribution:** Bolu, Düzce, Eskişehir, Gümüşhane, İstanbul, İzmir, Sakarya, Zonguldak (Anlaş, 2009; Assing, 2014; Altunsoy, et al., 2017). This species is recorded from East Anatolia for the first time.

***Leptobium gracile* (Gravenhorst, 1802)**

**Material examined:** Muş: 2 exs., 23.IV.2009, Buğlan, leg. Altın.

**Distribution:** This species widespread in Turkey (Assing, 2005; Kesdek et al., 2009; Anlaş, 2009, 2012, 2017b; Örgel & Anlaş, 2016). But it had not been known from Muş province.

***Achenium humile* (Nicolai 1822)**

**Material Examined:** Tunceli: 2 exs., 19.V.2011, central province 5 km NW, leg. Anlaş, Özgen & Khachikov.

**Distribution:** Ankara, Erzincan, Eskişehir, Gümüşhane, Isparta, Kars, Kastamonu, Muş, Niğde, Van (Assing, 2010; Anlaş et al., 2011; Sert et al., 2013). This species is recorded from Tunceli province for the first time.

***Pseudomedon obsoletus* (Nordmann, 1837)**

**Material Examined:** Elazığ: 2 exs., 28.V.2010, Maden, 1050 m, 38°23'23"N, 39°40'06"E, leg. Özgen.

**Distribution:** Çanakkale, Erzurum, İstanbul, İzmir, Kayseri, Manisa, Muğla, Samsun, Trabzon (Tezcan & Anlaş, 2009; Anlaş, 2009; Assing, 2009). This species is recorded from Elazığ province for the first time.

***Rugilus angustatus* (Kolenati, 1846)**

**Material Examined:** Elazığ: 2 exs., 28.V.2010, Maden, 1050 m, 38°23'23"N, 39°40'06"E, leg. Özgen.

**Distribution:** Afyonkarahisar, Aksaray, Ankara, Aydın, Çankırı, Denizli, Eskişehir, İzmir, Karaman, Kastamonu, Kayseri, Konya, Kütahya, Manisa, Muğla, Samsun, Yozgat (Anlaş, 2009, 2017a). Thus, this species is recorded from Eastern Anatolia for the first time.

***Astenus thoracicus* (Baud idi Selve, 1857)**

**Material Examined:** Tunceli: 2 exs., 13.IX.2007, leg Ovacık, Ağaçpınar 6 km E, 39°21'28"N, 39°15'51"E, 1 ex., 1197 m., leg. Anlaş; 1 ex., 21.IV.2017, Pertek, Akdemir, leg. Özgen.

**Distribution:** Ankara, Antalya, Eskişehir, Gaziantep, Isparta, İzmir, Kahramanmaraş, Kırıkkale, Konya, Manisa, Uşak (Anlaş, 2009; Sert et al., 2013; Örgel & Anlaş, 2016). Thus, this species is recorded from Eastern Anatolia for the first time.

***Luzea graeca* (Kraatz, 1857)**

**Material examined:** Elazığ: 1 ex. 23.IV.2017, Sivrice, Hazar Baba, Aşağıyaka, leg. Özgen.

**Distribution in Turkey:** Adana, Ankara, Antalya, Çanakkale, Diyarbakır, Gaziantep, Gümüşhane, Hakkari, Isparta, Kahramanmaraş, Kastamonu, Kayseri, Konya, Mersin, Siirt, Sinop, Sivas, Tokat, Yozgat (Anlaş, 2009; Anlaş & Rose, 2009b; Özgen et al., 2010). Thus, this species is recorded from Eastern Anatolia for the first time.

***Gauropterus sanguinipennis* (Kolenati 1846)**

**Material examined:** Elazığ: 2 exs. 16.V.2016, Baskil, Doğançık, by shifter, leg. Özgen.

**Distribution in Turkey:** This species widespread in Turkey (Anlaş, 2009; Özgen et al., 2015).

***Gyrohypnus angustatus* (Stephens 1833)**

**Material examined:** Tunceli: 1 ex., 21.IV.2017, Pertek, Akdemir, leg. Özgen.

**Distribution in Turkey:** This species widespread in Turkey (Assing, 2007; Anlaş, 2009; Özgen et al., 2010). This species is recorded from Tunceli province for the first time.

***Megalinus scutellaris* (Fauvel, 1900)**

**Material examined:** Elazığ: 8 exs. 16.V.2016, Baskil, Doğancık, leg. Özgen.

**Distribution:** Adana, Ankara, Antalya, Balıkesir, Çanakkale, Denizli, Hatay, İzmir, Manisa, Mersin (Assing, 2007; Anlaş, 2009; Abacıgil et al., 2013; Anlaş et al., 2014). Thus, this species is recorded from Eastern Anatolia for the first time.

***Ocypus ophthalmicus* (Scopoli, 1763)**

**Material examined:** Erzurum: 1 ex., 05.VIII.2008, Tekederesi, ca. 2000 m., leg. Anlaş.

**Distribution in Turkey:** This species was known only from Soğanlı Pass, Gümüşhane province, in Turkey. (Smetana, 1965; Anlaş, 2009). Thus, this species is recorded from Eastern Anatolia for the first time.

***Ocypus picipennis picipennis* (Fabricius, 1793)**

**Material examined:** Denizli: 2 exs., 18.X.2009, Babadağ, 754 m, 37°48'07"N, 28°46'38"E, leg. Anlaş. Manisa: 4 exs., 29.III.2007 and 27.IX.2009, Spil National Park, 1200 m, 38°33'20"N, 27°23'17"E, leg. Anlaş.

**Distribution in Turkey:** Afyonkarahisar, Ankara, Antalya, Bayburt, Bolu, Bursa, Diyarbakır, Elazığ, Eskişehir, Giresun, Gümüşhane, Isparta, İzmir, Kastamonu, Kayseri, Kırşehir, Manisa, Niğde, Trabzon, Tunceli (Anlaş, 2009; Çiftçi & Hasbenli, 2016; Fırat & Sert, 2016; Özgen et al., 2015). This species is recorded from Denizli province for the first time.

***Philonthus corruscus* (Gravenhorst, 1802)**

**Material examined:** Şırnak: 10 exs, 15.XI. 2015. Silopi, leg. Ayaz.

**Distribution:** Adana, Ankara, Gümüşhane, İzmir, Mardin, Manisa, Muş, Mersin (Anlaş, 2009; Özgen et al., 2016). This species is recorded from Şırnak province for the first time.

***Gabronthus maritimus* (Motschulsky, 1858)**

**Material examined:** İzmir: 1 ex, 01-28.VI.2012, Yamanlar Mountain, 38°32'19'N, 27°10'32'E, pitfall traps. Mardin: 5 exs, 15.X. 2017, Nusaybin, leg. Özgen.

**Distribution:** Adana, Antalya, Aydın, İzmir, Kayseri, Kilis, Manisa, Şırnak (Anlaş, 2009; Anlaş & Rose, 2009a; Özgen, 2017). This species is recorded from Mardin province for the first time.

***Platydracus stercorarius* (Olivier, 1795)**

**Material examined:** Denizli: 2 exs., 15.IV.2014, Çal, Küçük Çökelez Dağı, 38°02'48"N, 29°22'11"E, 1575 m, leg. Anlaş & Örgel.

**Distribution in Turkey:** Ankara, Ardahan, Artvin, Balıkesir, Erzurum, Eskişehir, Kars, Konya, Rize, Trabzon (Anlaş, 2009; Kesdek et al., 2009; Çiftçi & Hasbenli, 2016; Fırat & Sert, 2016). Thus, this species is recorded for the first time from Aegean Region of Turkey.

***Platyprosopus hierichonticus* Reiche & Saulcy, 1856**

**Material examined:** Antalya: 1 ex., 01.III.2009, Central province, leg. Kunt.

**Distribution in Turkey:** Diyarbakır, Gaziantep, Hatay, İzmir, Manisa, Mersin (Anlaş, 2009; Anlaş & Rose, 2009a; Özgen, 2017). This species is recorded from Antalya province for the first time.

***Xantholinus audrasi* (Coiffait, 1956)**

**Material examined:** Karaman: 4 exs., 30.X.2017. Ayrancı, Yüglük Tepesi, 37°00'49"N, 33°46'55"E, 1967m, leg. Örgel & Yaman.

**Distribution:** This species widespread in Turkey (Assing, 2007; Anlaş, 2009, 2014). But it had not been known from Karaman province.

## ACKNOWLEDGEMENTS

Authors are thankful to Sinan Anlaş (Manisa, Turkey), Harald Schillhammer (Wien, Austria) and Dr. Alexey Shavrin (Daugavpils, Latvia) for the identification of some species.

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