



Faunistic Studies on the Genus *Medon* Stephens, 1833 (Coleoptera: Staphylinidae: Paederinae) in Turkey

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ABSTRACT

In this study, 702 specimens belonging to the genus *Medon* Sephens were examined. The material was obtained from various field trips between 2010-2019 by using aspirator, sifter, pitfall trap, berlese funnel and MSS trap methods. As a result of the study, 15 of the 22 known species from Turkey were identified. *Medon brunneus* (Erichson, 1839), *M. ferrugineus* (Erichson, 1840), *M. lanugo* Assing, 2004 and *M. subfuscus* Fagel, 1969 from the Aegean Region, *M. semiobscurus* (Fauvel, 1875), *M. abantensis* Bordoni, 1980 and *M. lamellatus* Assing, 2004 from the Central Anatolian Region are reported for the first time. Besides, *M. rufiventris* (Nordmann, 1837) is recorded for the first time from both the Aegean and Central Anatolian Regions. In addition, many new locality records of the recorded species were presented. The distributions of all *Medon* species in Turkey were mapped.

Research Article

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Türkiye'deki *Medon* Stephens, 1833 (Coleoptera: Staphylinidae: Paederinae) Cinsine Bağlı Türler Üzerinde Faunistik Araştırmalar

ÖZET

Bu çalışmada, *Medon* Stephens cinsine ait 702 birey incelenmiştir. İncelenen materyal, 2010-2019 yılları arasında aspiratör, elek, çukur tuzak, berlese hunisi ve MSS tuzak yöntemleri kullanılarak yapılan arazi çalışmalarından elde edilmiştir. Çalışma sonucunda Türkiye'den bilinen 22 türden 15'i tespit edilmiştir. Bu türlerden, *Medon brunneus* (Erichson, 1839), *M. ferrugineus* (Erichson, 1840), *M. lanugo* Assing, 2004 ve *M. subfuscus* Fagel, 1969 Ege Bölgesi'nden, *M. semiobscurus* (Fauvel, 1875), *M. abantensis* Bordoni, 1980 and *M. lamellatus* Assing, 2004 İç Anadolu Bölgesi'nden ilk kez rapor edilmiştir. Ayrıca, *M. rufiventris* (Nordmann, 1837) Ege ve İç Anadolu Bölgeleri'nden ilk kez kaydedilmiştir. Ek olarak, birçok türe ait yeni lokalite kaydı verilmiştir. Türlerin Türkiye'deki yayılışları haritalandırılmıştır.

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INTRODUCTION

Schülke and Smetana (2015) listed 111 species of the genus *Medon* Stephens, 1833 from Palaearctic Region. After the catalog, eight new species were reported in this region. (Anlaş, 2015; Assing, 2016; 2018; Shibata and Fujimoto, 2017). Thus, the number of known species increased to 119. However, Assing (2013 a) added 31 of these species to *Medonina incertae sedis* list and reported that these species are suspicious species that must be confirmed, which may be included in other genera in the *Medonina*. Therefore, 88 species

from the Palearctic Region are known. These species are classified into five species groups called *Medon apicalis*, *M. ferrugineus*, *M. brunneus*, *M. fuscus* and *M. profundus* (Assing, 2014 a).

In Turkey, the genus *Medon* contains 22 species in four species groups (*M. apicalis* group, *M. ferrugineus* group, *M. brunneus* group, *M. fuscus* group) and nine of them are endemic to Anatolia (Anlaş, 2009; 2015). Seven species from the *M. apicalis* group (*M. assingi* Anlaş, 2015 (endemic); *M. beydaghensis* Fagel, 1969 (endemic); *M. caricus* Fagel, 1970; *M. maronitus*

(Saulcy, 1865); *M. reliquus* Assing, 2007 (endemic); *M. seleucus* Bordoni, 1975 (endemic); *M. subquadratus* Assing, 2004 (endemic)) with the highest endemism rate, are known and five of them are endemic for Anatolia. Three species are classified into the *M. ferrugineus* group (*M. dilutus pythonissa* (Saulcy, 1865); *M. ferrugineus* (Erichson, 1840); *M. rufiventris* (Nordmann, 1837)) and two species are classified into the *M. brunneus* group (*M. brunneus* (Erichson, 1839); *M. semiobscurus* (Fauvel, 1875)). The *M. fuscus* group (*M. abantensis* Bordoni, 1980; *M. fuscoides* Coiffait, 1969; *M. fuscus* (Mannerheim, 1830); *M. lamellatus* Assing, 2004 (endemic); *M. lanugo* Assing, 2004 (endemic); *M. lindbergi* Scheerpeltz, 1958; *M. lydicus* Bordoni, 1980; *M. meybohmi* Assing, 2007 (endemic); *M. solitarius* Assing, 2009 (endemic); *M. subfuscus* Fagel, 1969), which has the most diversity, is represented by 10 species and four of these species are endemic in Anatolia.

Ecologically, the *Medon* species are the most commonly inhabit the litter layer. In addition, it can be found in damp meadows and under the rocks near the stream. Species that associated with subterranean small mammal nests such as *M. ripicola* (Kraatz, 1854) and *M. castaneus* (Gravenhorst, 1802) are also known (Assing, 2006). There were also species recorded from the caves (e.g. *M. fuscus* and *M. semiobscurus*) (Anlaş, 2015). But most of them are not troglobionts.

The main purposes of the present paper were to contribute to determining the Turkish *Medon* fauna.

MATERIAL and METHODS

Aegean and Central Anatolia Regions material was obtained from various field trips within two project supported by Scientific and Technological Research

Council of Turkey Projects between the years 2013-2019 (TÜBİTAK, Project no: 112T907 and 215Z080). Other regions material was collected between the years 2010-2019. Also, some of the material of the genus *Medon* found in the Alaşehir Zoology Museum, Manisa (AZMM) was re-examined. Samples were collected using aspirator, sifter, pitfall trap, berlese funnel and MSS trap methods. All material in this study is deposited in the AZMM.

Classification and nomenclature were made according to Assing (2004 a, 2007 a, 2013 a) and Schülke and Smetana (2015). Google Earth Pro was used to create the maps. All known records were used with the records in this paper while creating maps.

RESULTS

A total of 702 individuals belonging to the genus *Medon* were examined and 15 of the 22 known species from Turkey were identified. These species:

Medon apicalis group

Medon caricus Fagel, 1970

Material examined: **İzmir:** 1♂, 3♀♀, 25.XI.2014, Ödemiş, Bozdağlar, 38°24'46"N, 28°08'01"E, 950 m, berlese funnel, leg. Yağmur & Örgel. **Muğla:** 1♀, 21.V.2015, Dalaman, 36°53'37"N, 28°53'37"E, 127 m, sifter, leg. Yağmur & Örgel.

Distribution in Turkey: Aydın, Çanakkale, Isparta, İzmir, Muğla (Anlaş, 2009, 2015) (Figure 1).

Distribution in the world: The known distribution of *M. caricus* is confined to Amorgos Island (in the Aegean Sea) and West Anatolia (Assing, 2004 a, 2007 b; Anlaş and Rose, 2009; Anlaş, 2015; Schülke and Smetana, 2015).

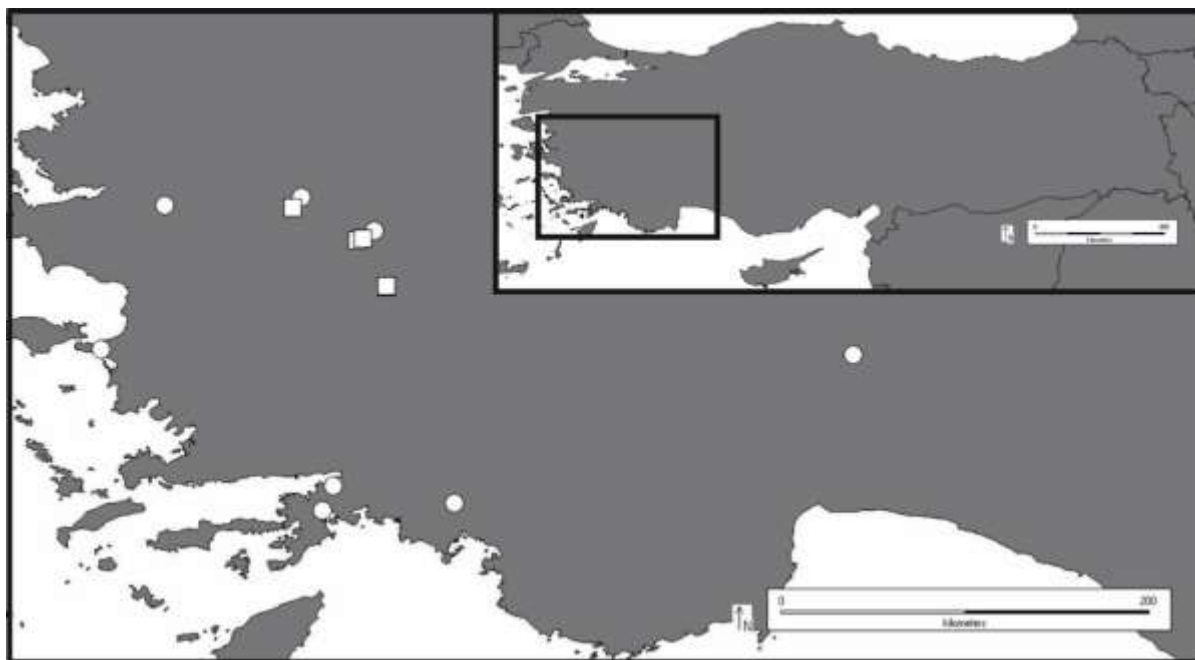


Figure 1. Distributions of *Medon caricus* Fagel (circles) and *M. reliquus* Assing (squares) in Turkey.

Şekil 1. *Medon caricus* Fagel (daireler) ve *M. reliquus* Assing (kareler) türlerinin Türkiye'deki yayılışları.

***Medon reliquus* Assing, 2007**

Material examined: **Manisa:** 1♂, 26.X.2016, Alaşehir, Dağarlar, 38°11'49"N, 28°24'51"E, 576 m, berlese funnel, leg. Yağmur & Örgel; 1♀, 11.X.2013, Kiraz 10 km E, 722 m, 38°12'17"N, 28°26'25"E, sifter, leg. Özgen & Örgel.

Distribution in Turkey: Aydın, İzmir (Anlaş, 2009). The species is reported from Manisa Province for the first time (Figure 1).

Distribution in the world: The species is most probably endemic to the Bozdağlar and the Aydın Mountains in western Anatolia (Assing, 2007 a; Schülke and Smetana, 2015).

***Medon maronitus* (Saulcy, 1864)**

Material examined: **Afyonkarahisar:** 2♂♂, 1♀, 15.IV.2013, İhsaniye, Döğer 2 km E, 39°09'13"N, 30°25'52"E, 1286 m, under stone, leg. Anlaş, Yağmur & Örgel. **Aydın:** 1♂, 22.III.2015, Dilek Peninsula National Park, 37°39'49"N, 27°12'57"E, 969 m, sifter, leg. Yağmur & Örgel. **Denizli:** 1♂, 3♀♀, 30.V.2014,

Babadağ, 37°47'43"N, 28°48'47"E, 903 m, sifter, leg. Örgel. **Kütahya:** 1♂, 13.IV.2015, Simav, Akdağ, 39°14'58"N, 28°49'41"E, 1670 m, under stone, leg. Anlaş, Yağmur & Örgel. **Manisa:** 3♂♂, 5♀♀, 11.IV.2014, Alaşehir-Kiraz road, 38°13'N, 28°35'E, ca. 500 m, sifter, leg. Özgen & Örgel (as *M. reliquus* in Anlaş, 2015). **Niğde:** 1♂, 1♀, 02.VI.2016, Ulukışla, Horoz, 37°28'47"N, 34°47'55"E, 1049 m, sifter, leg. Anlaş, Örgel & Yaman. **Uşak:** 1♂, 2♀♀, 03.V.2015, Murat Mountain, 38°55'N, 29°36'E, 1756 m, under stone, leg. Yağmur & Örgel.

Distribution in Turkey: Adana, Antalya, Artvin, Aydın, Bursa, Denizli, Erzurum, Hatay, Isparta, İstanbul, İzmir, Kahramanmaraş, Manisa, Mersin, Muğla, Osmaniye, Samsun (Anlaş, 2009; 2015; Assing, 2009, 2013 a; b). The species is reported from Afyonkarahisar, Kütahya, Niğde and Uşak Provinces for the first time (Figure 2).

Distribution in the world: The distribution of this species ranges from the Eastern Mediterranean to Central Asia. (Assing, 2004 a; b; 2007 b, 2009, 2013 a; b, Anlaş, 2015; Schülke and Smetana 2015).

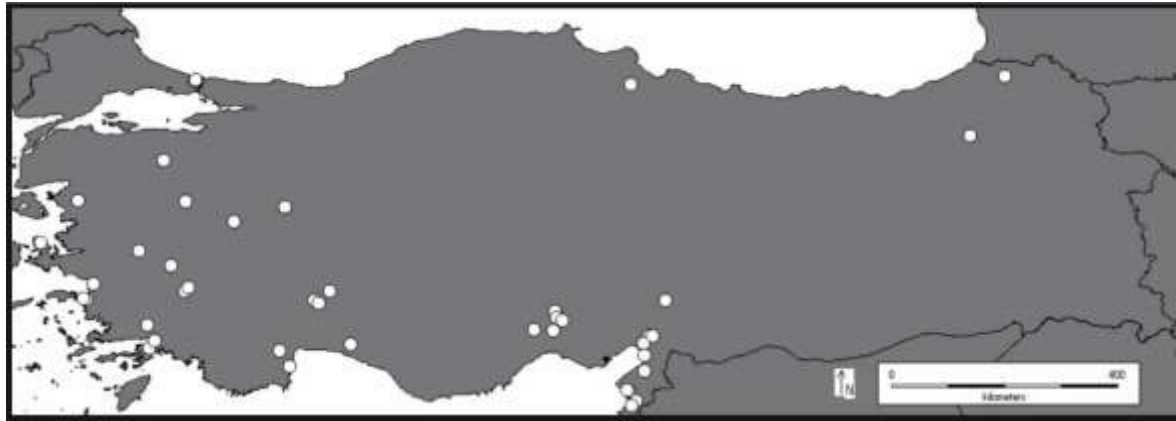


Figure 2. Distribution of *Medon maronitus* (Saulcy) in Turkey.

Şekil 2. *Medon maronitus* (Saulcy) türünün Türkiye'deki yayılışı.

***Medon brunneus* group**

***Medon brunneus* (Erichson, 1839)**

Material examined: **Afyonkarahisar:** 1♂, 1♀, 02.V.2015, Ahır Mountains, Büyükhacet Hill, 38°39'42"N, 30°06'05"E, 1925 m, under stone, leg. Yağmur & Örgel. **Bursa:** 2♂♂, 02.VI.2015, Büyükorhan 5 km NE, 39°47'18"N, 28°54'51"E, 780 m, sifter, leg. Yağmur & Örgel. **Kütahya:** 1♂, 2♀♀, 13.IV.2015, Simav, Akdağ, 39°14'58"N, 28°49'41"E, 1670 m, under stone, leg. Anlaş & Örgel.

Distribution in Turkey: Balıkesir, Edirne, İstanbul, Kırklareli, Kocaeli, Sakarya (Anlaş, 2009; Assing, 2013 a; b) (Figure 3). This species, known only from the Marmara Region in Turkey, is reported for the first time from the Aegean region (Afyonkarahisar

Province). It is also reported from the Bursa Province for the first time.

Distribution in the world: This species, which is widespread in the West Palearctic, is known from northwestern Turkey, the Balkans, Crete, Italy, Central Europe, northeastern Spain, southern France, northern Europe (Assing, 2004 a, 2006, 2009, 2013 a; b; Anlaş, 2015; Schülke and Smetana, 2015).

***Medon semiobscurus* (Fauvel, 1875)**

Material examined: **Adana:** 1♂, 1♀, 13.V.2015, Pozantı, 37°20'57"N, 34°54'30"E, sifter, leg. Karakaş & Kunt. **Adıyaman:** 2♂♂, 03.IV.2017, 2 km SE Taşgedik, 37°50'40"N, 38°18'56"E, 979 m, sifter, leg. Yağmur, Örgel & Yaman; 1♂, 03.IV-22.VIII.2017, 2 km SE

Taşgedik, 37°50'40"N, 38°18'56"E, 979 m, pitfall traps, leg. Yağmur; 7♂♂, 5♀♀, 05.IV.2017, 3 km N Gerger, 38°00'44"N, 39°00'12"E, 587 m, sifter, leg. Yağmur, Örgel & Yaman. **Afyonkarahisar:** 2♂♂, 15.IV.2015, Hocalar, Kirseli Mountain, 38°33'44"N 30°02'17"E, 1460 m, under stone, leg. Anlaş & Örgel. **Ankara:** 1♂, 1♀, 9.IV.2017, Beypazarı, Üreğil, 40°17'07"N, 32°04'11"E, 1375 m, sifter, leg. Örgel & Yaman. **Antalya:** 1♂, 11.III.2016, Kumluca, 36°21'27"N, 30°18'04"E, 85 m, sifter, leg. Kunt. **Aydın:** 1♂, 1♀, 12.V.2017, 4 km S Güzelçamlı, Dilek Peninsula, 37°41'26"N, 27°14'14"E, 163 m, berlese funnel, leg. Yağmur. **Balıkesir:** 1♂, 2♀♀, 25.X.2017, Havran, Eğmir, 39°35'50"N, 27°16'11"E, 249 m, sifter, leg. Sak & Bulut; 1♂, 10.XI.2017, Susurluk, Ekinlik, 39°54'32"N, 28°12'49"E, 452 m, sifter, leg. Sak & Bulut. **İzmir:** 1♂, 1♀, 28.XI.2014, Bozdağlar, Ödemiş, Horzum 5 km SE Subatan Plateau, sifter, leg. Yağmur & Örgel. **Konya:** 1♂, 10.07.2018-11.10.2018, Derebucak, 37°22'37"N, 31°29'36"E, 1349 m, MSS trap. **Manisa:** 1♂, 01.IV-12.X.2017, Alaşehir, Dağarlar, Kiraz road, 38°11'49"N, 28°28'51"E, 576 m, MSS trap; 5♂♂, 1♀, 01.IV-12.X.2017, Alaşehir, Turcuk, 38°13'49"N, 28°35'00"E, 376 m, MSS trap; 1♂, 1♀,

30.XI.2014, Spil Dağı, 38°33'44"N, 27°23'10"E, 1100 m, sifter, leg. Yağmur & Örgel; 2♂♂, 3♀♀, 07.IV.2015, Soma, Yağcılı 3 km E, 39°20'53"N, 27°42'24"E, 380 m, sifter, leg. Yağmur & Örgel. **Muğla:** 2♂♂, 2♀♀, 20.III.2015, Dalaman Valley, 36°48'41"N, 28°53'19"E, 99 m, sifter, Yağmur & Örgel; 1♂, 1♀, 21.III.2015, Datça 36°43'38"N, 27°34'16"E, 994 m, sifter, Yağmur & Örgel. **Uşak:** 3♂♂, 2♀♀, 03.V.2015, Murat Mountain, 38°55'N, 29°36'E, 1756 m, sifter, leg. Yağmur & Örgel.

Distribution in Turkey: This species has been reported from many provinces in western and southern Anatolia (Anlaş, 2009, 2015; Assing, 2009, 2013 a; b; Özgen et al., 2010) (Figure 3). It is recorded for the first time with this study from Central Anatolia (Ankara and Konya Provinces). It is also reported from the Adıyaman, Afyonkarahisar and Uşak Provinces for the first time.

Distribution in the world: The known distribution of *M. semiobscurus* is confined to Turkey, Middle East and Rhodes, Kos, Samos Islands (in Aegean Sea) (Assing, 2004 a, 2013 a; Schülke and Smetana, 2015).

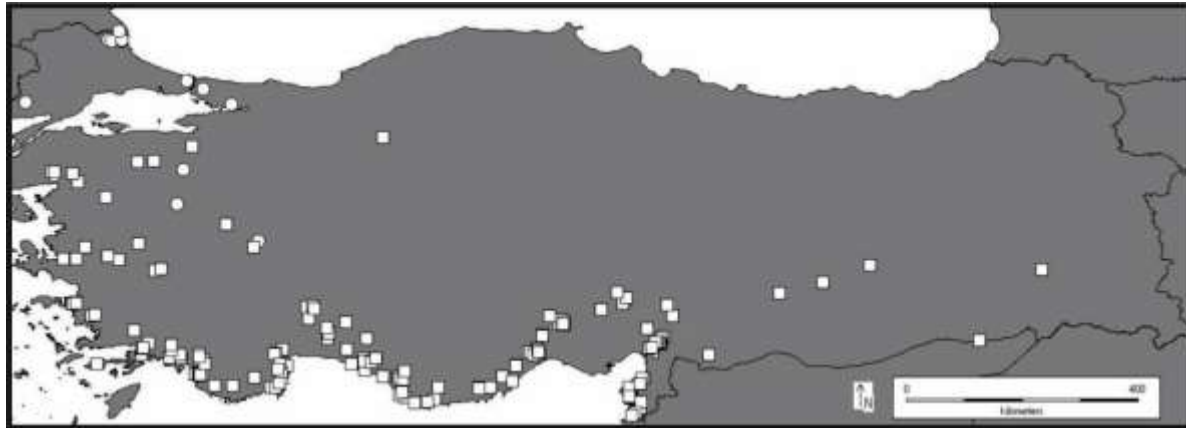


Figure 3. Distributions of *Medon brunneus* (Erichson) (circles) and *M. semiobscurus* (Fauvel) (squares) in Turkey.
Şekil 3. *Medon brunneus* (Erichson) (daireler) ve *M. semiobscurus* (Fauvel) türlerinin Türkiye'deki yayılışları.

Medon ferrugineus group

Medon dilutus pythonissa (Saulcy, 1865)

Material examined: **Afyonkarahisar:** 2♂♂, 1♀, 15.IV.2015, Hocalar, Kirseli Mountain, 38°33'44"N 30°02'17"E, 1460 m, under stone, leg. Anlaş & Örgel. **Ankara:** 4♂♂, 3♀♀, 21.VI.2016, Nallıhan, 40°05'56"N, 31°02'30"E, 800 m, sifter, leg. Örgel & Yaman; 10♂♂, 3♀♀, 22.XI.2018, Polathı, Avşar, 39°45'24"N, 32°06'36"E, 1067 m, sifter, leg. Örgel & Yaman; 2♂♂, 1♀, 22.XI.2018, Polathı, Çanakcı, 39°26'23"N, 32°05'35"E, 900 m, sifter, leg. Örgel & Yaman; 4♂♂, 3♀♀, 18.X.2018, Kızılcahamam, 2 km S Sazak, 40°23'43"N, 32°36'16"E, 1029 m, sifter, leg. Örgel & Yaman. **Aydın:** 1♂, 2♀♀, 21.III.2015, Dilek Peninsula, 37°40'05"N, 27°13'10"E, 803 m, sifter, leg. Yağmur & Örgel. **Balıkesir:** 1♂, 2♀♀, 15.X.2017, Susurluk,

Ekinlik, 39°54'32"N, 28°12'49"E, 452 m, sifter, leg. Sak & Bulut; 2♂♂, 3♀♀, 09.XI.2017, Kepsut, Bükdere, 39°44'43"N, 28°15'03"E, 113 m, sifter, leg. Sak & Bulut; 2♂♂, 02.X.2017, Kepsut, Bükdere, 39°44'48"N, 28°14'53"E, 84 m, sifter, leg. Sak & Bulut; 1♂, 8♀♀, 15.X.2017, Manyas, Hamamlı, 40°06'29"N, 27°53'53"E, 47 m, sifter, leg. Sak & Bulut; 2♂♂, 5♀♀, 25.X.2017, Gömeç, Hacıhüseyinler-Kumgedik road, 39°21'23"N, 26°55'10"E, 294 m, berlese funnel, leg. Sak & Bulut; 1♂, 18.V.2017, Kepsut, Bükdere, Ulupınar Cave road, 39°47'46"N, 28°21'05"E, berlese funnel, leg. Bulut; 2♂♂, 09.X.2017, Bigadiç, Bademli road, 39°26'17"N, 28°04'08"E, 249 m, sifter, leg. Sak & Bulut; 2♂♂, 1♀, 10.XI.2017, Manyas, Hamamlı, 40°06'29"N, 27°53'53"E, 47 m, sifter, leg. Sak & Bulut; 1♂, 2♀♀, 09.XI.2017, Sındırgı, Akhisar-Sındırgı road,

39°13'27"N, 28°07'22"E, 237 m, berlese funnel, leg. Sak & Bulut; 1♂, 16.X.2017, Savaştepe, Dikmenler, 39°22'45"N, 27°44'47"E, 484 m, sifter, leg. Sak & Bulut; 2♂♂, 3♀♀, 16.X.2017, İvrindi, Topuzlar, 39°36'44"N, 27°25'43"E, 310 m, berlese funnel, leg. Sak & Bulut; 3♂♂, 1♀, 10.XI.2017, Susurluk, Ekinlik, 39°54'32"N, 28°12'49"E, 452 m, berlese funnel, leg. Sak & Bulut; 1♂, 4♀♀, 10.XI.2017, Erdek, Kirazlı Monastery road, 40°27'36"N, 27°54'17"E, 375 m, sifter, Sak & Bulut; 2♂♂, 2♀♀, 15.X.2017, Gönen, 40°06'52"N, 27°45'20"E, 125 m, berlese funnel, leg. Sak & Bulut; 4♂♂, 8♀♀, 15.X.2017, Erdek, 40°27'36"N, 27°54'36"E, 202 m, berlese funnel, leg. Sak & Bulut; 3♂♂, 1♀, 02.X.2017, Sındırgı, 39°13'27"N, 28°07'22"E, 237 m, sifter, leg. Sak & Bulut; 8♂♂, 5♀♀, 19.X.2017, Kepsut, Bükdere, 39°44'34"N, 28°14'12"E, 142 m, berlese funnel, leg. Yağmur & Bulut; 14♂♂, 26♀♀, 20.X.2017, Erdek, 40°27'36"N, 27°54'36"E, 202 m, berlese funnel, leg. Sak & Bulut; 8♂♂, 13♀♀, 02.X.2017, Bigadiç, Bademli road, 39°26'17"N, 28°04'08"E, 249 m, berlese funnel, leg. Sak & Bulut; **Burdur:** 1♂, 2♀♀, 30.IV.2017, Salda Lake environs, 37°30'33"N, 29°41'59"E, 1558 m, sifter, leg. Yağmur. **Bursa:** 2♂♂, 28.VIII.2016- 02.II.2017, Harmancık, 39°41'21"N, 29°07'28"E, 609 m, pitfall, leg. Yağmur; 1♂, 24.II.2017, Karacabey, Yeniköy, berlese funnel, leg. Yağmur; 2♂♂, 2♀♀, 02.VI.2015, Büyükorhan 5 km NE, 38°48'40"N, 28°56'04"E, 779 m, sifter, leg. Yağmur & Örgel; 1♂, 02.VI.2015, Keles, Pelitören, 39°54'56"N, 29°18'38"E, 955 m, sifter, leg. Yağmur & Örgel; 2♂♂, 1♀, 02.VI.2015, Harmancık, Yeşilyurt 2 km S, 39°43'41"N, 29°13'20"E, 963 m, sifter, leg. Yağmur & Örgel. **Denizli:** 1♂, 6♀♀, Çal, Çökelez Mountain, 38°04'03"N, 29°23'16"E, 936 m, berlese funnel, leg. Yağmur & Örgel; 1♂, 22.III.2016, Bozkurt, İnceler, Eşeler Mountain, 37°42'32"N, 29°34'16"E, 1300 m, berlese funnel, leg. Örgel & Yaman. **İzmir:** 4♂♂, 1♀, 25.III.2017, Ödemiş, Bozdağlar, 38°17'25"N, 28°09'02"E, 774 m, berlese funnel, leg. Yağmur; 1♂, 02.II-28.VI.2017, Karaburun, Bozköy, 38°38'45"N, 26°27'48"E, 52 m, pitfall, leg. Yağmur; 1♂, 2♀♀, 01.06-20.10.2018, Kemalpaşa, Nif Dağı, 38°23'03"N, 27°21'17"E, 1453 m, MSS trap; 1♂, 17.04-22.10.2017, Kemalpaşa, Nif Mountain, 38°23'03"N, 27°21'17"E, 1453 m, MSS trap; 3♂♂, 2♀♀, 09.IX.2015-20.II.2016, Kemalpaşa, Spil Mountain, 38°32'18"N, 27°27'35"E, 1052 m, MSS trap; 2♂♂, 1♀, 09.IX.2016-24.III.2017, Kemalpaşa, Spil Mountain, 38°32'18"N, 27°27'35"E, 1052 m, MSS trap; 2♂♂, 3♀♀, 15.IV-25.XI.2017, Kemalpaşa, Spil Mountain, 38°32'18"N, 27°27'35"E, 1052 m, MSS trap; 5♂♂, 2♀♀, 26.VI-16.X.2016, Kemalpaşa, Spil Mountain, 38°32'18"N, 27°27'35"E, 1052 m, MSS trap; 1♂, 1♀, 01.IV-12.X.2017, Ödemiş, Bozdağlar, 38°17'25"N, 28°01'02"E, 774 m, MSS trap; 1♂, 1♀, 01.VII-08.IX.2015, Kemalpaşa, Spil Mountain, 38°32'18"N, 27°27'35"E, 1052 m, MSS trap; 1♂, 25.III-12.X.2017, Ödemiş, Gölcük, 38°18'40"N, 28°00'46"E, 1154 m, pitfall. **Kahramanmaraş:** 1♂, 2♀♀,

21.VIII.2017-27.VII.2018, Pazarcık, 7 km S Narlı, 37°19'16"N, 37°10'10"E, 855 m, pitfall. **Kırşehir:** 10♂♂, 8♀♀, 15.X.2018, Akçakent, 3 km W Yetikli, 39°38'18"N, 34°08'36"E, 1220 m, sifter, leg. Örgel & Yaman; 7♂♂, 4♀♀, 01.V.2019, Akçakent, 2 km NE Yetikli, 39°38'10"N, 34°11'10"E, 1505 m, sifter, leg. Örgel & Köksal. **Konya:** 2♂♂, 4♀♀, 15.XI.2018, Seydişehir, 4 km N Bahçelievler, 37°29'54"N, 31°49'05"E, 1175 m, sifter, leg. Örgel & Yaman. **Kütahya:** 2♂♂, 13.IV.2015, Simav, Akdağ, 39°14'58"N, 28°49'41"E, 1670 m, under stone, leg. Anlaş & Örgel. **Manisa:** 2♂♂, 19.VI.2016, Alaşehir, Dağarlar, 38°11'49"N, 28°28'51"E, 576 m, berlese funnel, leg. Yağmur & Örgel; 6♂♂, 13.VI.2017, Alaşehir, Turcuk, 38°13'49"N, 28°35'00"E, berlese funnel, leg. Yağmur & Örgel; 1♂, 26.X.2016, Alaşehir, Dağarlar, 38°11'49"N, 28°24'51"E, 576 m, berlese funnel, leg. Yağmur & Örgel; 2♂♂, 01.06-20.10.2018, Spil Mountain, 38°34'07"N, 27°24'04"E, 1028 m, MSS trap; 3♂♂, 1♀, 01.VII-08.IX.2015, Manisa, Alaşehir, Turcuk, 38°13'49"N, 28°35'00"E, 376 m, MSS trap; 2♂♂, 2♀♀, 01.IX-01.X.2018, Manisa, Alaşehir, Turcuk, 38°13'49"N, 28°35'00"E, 376 m, MSS trap; 1♂, 1♀, 19.VI-26.X.2016, Manisa, Alaşehir, Turcuk, 38°13'49"N, 28°35'00"E, 376 m, MSS; trap; 1♂, 2♀♀, 01.IV-12.X.2017, Alaşehir, Dağarlar, Kiraz road, 38°11'49"N, 28°28'51"E, 576 m, MSS trap. **Nevşehir:** 4♂♂, 9♀♀, 18.XI.2018, Hacıbektaş, Hırkatepesidelik, 38°51'50"N, 34°36'06"E, 1357 m, under stone, leg. Örgel & Yaman. **Osmaniye:** 3♂♂, 15.VI.2014, Kuşçubeli Pass, sifter, leg. Örgel. **Uşak:** 2♂♂, 26.III.2015, Mesudiye Köyü, 38°42'42"N, 29°31'08"E, 972 m, sifter, leg. Yağmur & Örgel. **Yozgat:** 1♂, 15.X.2018, Aydıncık, Kuşsaray, 40°05'48"N, 35°11'11"E, 1266 m, sifter, leg. Örgel & Yaman.

Distribution in Turkey: Widespread in Turkey (Anlaş, 2009, 2015; Anlaş and Çevik, 2008; Anlaş and Rose 2009; Assing, 2004 a; b, 2006, 2007 a; b, 2009, 2010, 2013 a; b; Tezcan and Anlaş, 2009) (Figure 4). But It is reported from the Afyonkarahisar, Burdur, Kırşehir, Kütahya, Osmaniye and Yozgat Provinces for the first time.

Distribution in the world: The species is widespread in the Eastern Mediterranean (Assing, 2004a,b; Schülke and Smetana, 2015).

Medon ferrugineus (Erichson, 1840)

Material examined: **Afyonkarahisar:** 3♀♀, 1♂, 02.V.2015, Ahrır Mountains, Büyükkavşak Hill, 38°43'08"N, 30°03'48"E, 1810 m, under stone, leg. Yağmur & Örgel. **Ankara:** 2♂♂, 2♀♀, 18.V.2018, Kızılcahamam, Egerlibaşköy 2 km NE, 1860 m, 40°35'24"N, 32°48'52"E, under stone, leg. Örgel & Yaman; 1♂, 29.IV.2019, Akyurt, 4 km SE Samut, 40°03'52"N, 33°11'27"E, 1720 m, under stone, leg. Örgel & Köksal. **Çankırı:** 1♂, 2♀♀, 20.V.2018, Korgun, Çukurören 3 km SW, 1390 m, 40°38'55"N, 33°22'05"E,

under stone, leg. Örgel & Yaman. **Denizli:** 1♂, 12.IV.2015, Haytabey, 38°00'41"N, 29°10'46"E, 1116 m, sifter, leg. Anlaş, Yağmur, Örgel & Altın. **Eskişehir:** 3♂♂, 7♀♀, 27.IV.2019, Sarıcakaya, 6 km N İğdir, 40°05'50"N, 30°37'11"E, 1120 m, sifter, leg. Örgel & Köksal. **Kayseri:** 1♂, 09.IV.2018, Akkışla, Gömürgen 7 km E, Hınzır Mountains, 1970 m, 39°01'19"N, 36°17'52"E, 1970 m, under stone, leg. Yağmur & Örgel, Yaman. **Konya:** 2♂♂, 3♀♀, 03.V.2018, Hadim, Çiftepınar 5 km S, 36°58'21"N, 32°41'05"E, 2020 m, under stone, leg. Örgel & Yaman. **Manisa:** 1♂, 07.IV.2015, Soma, Yağcılı, 39°20'05"N, 27°40'23"E, 306

m, sifter, leg. Yağmur & Örgel. **Sivas:** 1♂, 19.IV.2018, Divriği, Uluçayır 2 km S, Leke Mountain, 39°11'45"N, 37°59'26"E, 1830 m, under stone, leg. Anlaş & Örgel, Yaman; 1♂, 12.IV.2019, Yıldızeli, Yukarıçakmak 2 km W, 39°57'02"N, 36°41'43"E, 1560 m, under stone, leg. Anlaş, Örgel & Köksal; 1♂, 14.IV.2019, Doğanşar, Başekin 3 km W, 40°07'20"N, 37°28'15"E, 1900 m, under stone, leg. Anlaş, Örgel & Yağmur. **Yozgat:** 1♂, 07.IV.2018, Çayıralan, Külekçi 3 km SE, 39°22'58"N, 35°41'42"E, 1570 m, under stone, leg. Yağmur Örgel & Yaman.

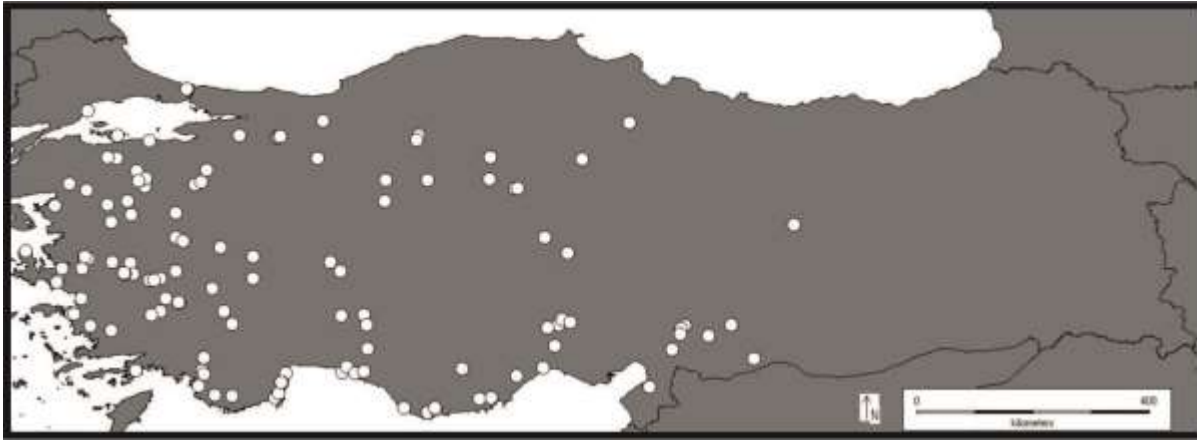


Figure 4. Distribution of *Medon dilutus pythonissa* (Saulcy) in Turkey.

Şekil 4. *Medon dilutus pythonissa* (Saulcy) türünün Türkiye'deki yayılışı.

Distribution in Turkey: This species has been reported from many provinces in northern Turkey (Anlaş, 2015; Assing, 2004 a; b, 2007 a; b, 2013 a; b 2014 b) (Figure 5). It is recorded for the first time with this study from Aegean Region (Afyonkarahisar, Denizli and Manisa Provinces). It is also reported from the Çankırı, Kayseri, Sivas and Yozgat Provinces for the first time.

Distribution in the world: This species is known from Turkey, the Balkans and southeast of Central Europe (Assing, 2004 a, 2013; Schülke and Smetana, 2015).

Medon rufiventris (Nordmann, 1837)

Afyonkarahisar: 1♂, 23.V.2015, Sandıklı, Akdağ, 38°21'08"N, 30°01'23"E, 1508 m, under stone, leg. Yağmur & Örgel. **Ankara:** 1♂, 10.III.2018, Mamak, Kutludüğün Plateau, 39°52'11"N, 33°06'04"E, 1436 m, under stone, leg. Örgel & Yaman. **Eskişehir:** 1♂, 1♀, 21.VI.2016, Sarıcakaya, 39°52'22"N, 30°38'13"E, sifter, leg. Örgel & Yaman. **Nevşehir:** 1♂, 25.III.2018, Ürgüp, Hodul Mountain, 38°30'43"N, 35°01'30"E, 1950 m, sifter, leg. Örgel & Yaman.



Figure 5. Distributions of *Medon ferrugineus* (Erichson) (circles) and *M. rufiventris* (Nordmann) (squares) in Turkey.

Şekil 5. *Medon ferrugineus* (Erichson) (daireler) ve *M. rufiventris* (Nordmann) (kareler) türlerinin Türkiye'deki

yayılışları.

Distribution in Turkey: Adana, Antalya, Isparta, Mersin, Sinop (Anlaş, 2009, 2015; Assing, 2004 a, 2009) (Figure 5). This species is recorded for the first time from the Aegean (Afyonkarahisar) and Central Anatolia (Ankara, Eskişehir, Nevşehir) Region.

Distribution in the world: This species, which is rare but has a widespread in the Western Palearctic, is known from the Caucasus to Spain and from the south of Northern Europe (Assing, 2004 a, 2013 a, Schülke and Smetana, 2015).

***Medon fuscus* grup**

***Medon abantensis* Bordoni, 1980**

Material examined: **Afyonkarahisar:** 1♂, 1♀, 15.IV.2015, Hocalar, Kirseli Mountain, 38°33'44"N 30°02'17"E, 1460 m, under stone, leg. Anlaş & Örgel. **Ankara:** 1♂, 26.IX.2017, Kızılcahamam-Çerkeş road, 40°36'19"N, 32°39'50"E, 1150 m, under stone, leg. Örgel & Yaman. **Çankırı:** 1♂, 17.10.2018-30.VI.2019, Ilgaz Mountains, 41°02'49"N, 33°42'46"E, 1926 m, MSS trap. **Denizli:** 3♂♂, 1♀, 30.V.2014, Babadağ, 37°47'43"N, 28°48'47"E, 903 m, sifter, leg. Örgel; 3♂♂, 1♀, 22.XI.2014, Çal, Küçük Çökelez Mountain, 1575 m, 38°02'48"N, 29°22'11"E, under stone, leg. Yağmur & Örgel. **Kütahya:** 1♂, 13.IV.2015, Simav, Akdağ, 39°14'58"N, 28°49'41"E, 1670 m, under stone, leg. Anlaş & Örgel. **Manisa:** 1♂, 26.X.2016, Alaşehir, Dağarlar, 38°11'49"N, 28°24'51"E, 576 m, sifter, leg. Yağmur & Örgel.

Distribution in Turkey: Artvin, Bolu, Denizli, Eskişehir, İzmir, Manisa, Rize, Samsun, Tokat (Anlaş, 2009, 2015; Anlaş and Rose, 2009; Assing, 2004a, 2007b, 2013a) (Figure 6). It is recorded for the first time from Central Anatolia Region (Ankara and Çankırı). It is also reported from the Afyonkarahisar and Kütahya Provinces for the first time.

Distribution in the world: This species is known only from Turkey and the Caucasus (Assing, 2004 a; b; Schülke and Smetana, 2015).

***Medon fuscoides* Coiffait, 1969**

Material examined: **Elazığ:** 1♂, 07.VIII.2014, Gezin, Beltaşı, under stone. **Malatya:** 1♂, 1♀, 25.VII.2007, Hekimhan, İpekyolu, Girmana, under stone, leg. Anlaş & Yağmur (as *M. abantensis* in Anlaş, 2015). **Tunceli:** 5♂♂, 7♀♀, 13.X.2007, Halvoru su kaynağı, Karşılar 2 km D., 39°10'42"N, 39°27'41"E, 965 m, under stone, leg. Anlaş (as *M. abantensis* in Assing, 2009; Anlaş and Rose, 2009).

Distribution in Turkey: Diyarbakır, Hakkâri, Tunceli (Assing, 2004 a) (Figure 6). It is reported from the Elazığ and Malatya Provinces for the first time.

Distribution in the world: The known distribution of *M. fuscoides* is confined to Armenia, Eastern Anatolia and Iran (Assing, 2004 a; Schülke and Smetana, 2015).

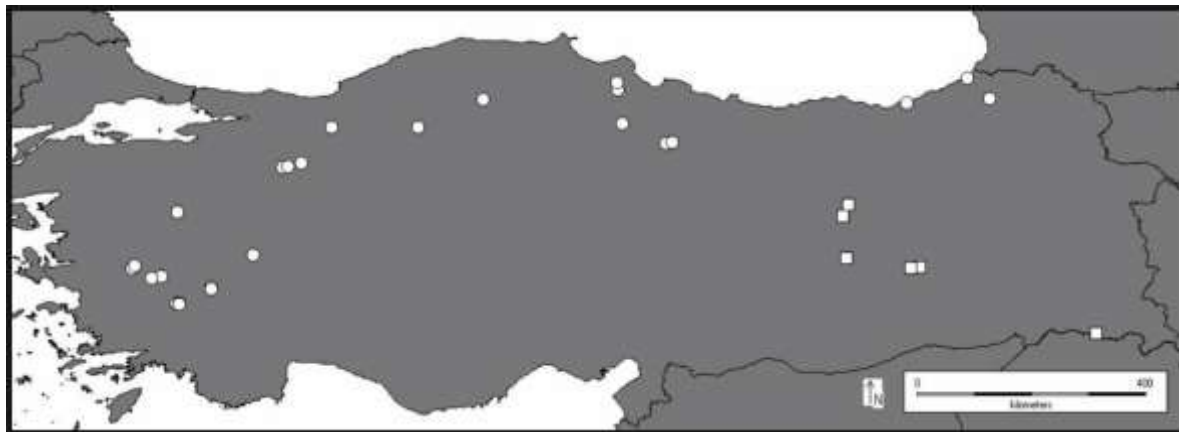


Figure 6. Distributions of *Medon abantensis* Bordoni (circles) and *M. fuscoides* Coiffait (squares) in Turkey.
Şekil 6. *Medon abantensis* Bordoni (daireler) ve *M. fuscoides* Coiffait (kareler) türlerinin Türkiye'deki yayılışları.

***Medon fuscus* (Mannerheim, 1830)**

Material examined: **Afyonkarahisar:** 1♂, 1♀, 02.V.2015, Ahrır Mountains, Büyükhacet Hill, 38°39'42"N, 30°06'05"E, 1925 m, under stone, leg. Yağmur & Örgel. **Ankara:** 1♂, 29.IV.2019, Akyurt, 4 km SE Samut, 40°03'52"N, 33°11'27"E, 1720 m, under stone, leg. Örgel & Köksal. **Antalya:** 1♂, 2♀♀, VII.2011, Alanya, Kaşbeleni Plateau road, sifter, leg. Anlaş. **Aydın:** 3♀♀, 22.III.2015 Dilek Peninsula

National Park, 37°39'49"N, 27°12'57"E, 969 m, sifter, leg. Yağmur & Örgel. **Balıkesir:** 2♂♂, 22.VI.2017, Sındırgı, 39°13'27"N, 28°07'22"E, 237 m, berlese funnel, leg. Bulut; 2♂♂, 19.X.2017, Kepsut, Bükdere, 39°44'43"N, 28°15'03"E, 113 m, berlese funnel, leg. Yağmur & Bulut; 1♂, 15.X.2017, Erdek, Kirazlı Monastery environs, 40°27'36"N, 27°54'36"E, 202 m, sifter, leg. Sak & Bulut. **Bilecik:** 1♂, 21.III.2018, Kayabeli, sifter. **Çankırı:** 1♂, 21.V.2018, Ilgaz, Ilgaz

Mountains, 1926 m, 41°02'49"N, 33°42'46"E, under stone, leg. Örgel & Yaman. **Elazığ:** 1♂, 1♀, 01.VII.2013, Yedigöze, sifter. **Gaziantep:** 1♂, 07.IV.2006, Şahinbey, Güllüce, Ellezi Mountain, sifter, leg. Yağmur. **İzmir:** 2♂♂, 1♀, 28.XI.2014, Bozdağlar, Ödemiş, Horzum 5 km SE, Subatan Plateau, sifter, leg. Yağmur & Örgel. **Kastamonu:** 2♂♂, 09.VII.2013, Pınarbaşı, Valla Valley, 41°42'19"N, 33°05'02"E, sifter, leg. Kunt. **Kayseri:** 1♂, 1♀, 05.VI.2016, Yahyalı, 38°03'01"N, 35°24'01"E, 1427 m, sifter, leg. Yağmur, Örgel & Yaman; 1♂, 1♀, 10.VI.2016, Yahyalı, Kapuzbaşı Waterfall, 37°46'31"N, 35°23'35"E, 750 m, sifter, leg. Yağmur, Örgel & Yaman; 2♂♂, 3♀♀, 07.V.2018, Develi, Yaylacık 6 km S, 38°04'26"N, 35°45'27"E, 1735 m, under stone, leg. Örgel & Yaman. **Konya:** 1♂, 1♀, 15.IV.2016, Seydişehir, Geyik Mountains, Rizebeli Pass, 37°27'18"N, 31°42'06"E, 1825 m, under stone, leg. Örgel & Yaman; 2♂♂, 15.IV.2016, Seydişehir, Geyik Mountains, 37°27'36"N, 31°23'35"E, 1477 m, under stone, leg. Örgel & Yaman; 1♂, 1♀, 14.IV.2016, Beyşehir, Dumanlı, 37°28'24"N, 31°19'46"E, 1760 m, under stone, leg. Örgel & Yaman; 1♂, 15.IV.2016, Seydişehir, Geyik Mountains, 37°27'36"N, 31°43'54"E, 1477 m, under stone, leg. Örgel & Yaman; 1♂, 19.V.2016, Beyşehir, Erenler Mountain, 37°47'20"N, 31°58'31"E, 1770 m, under stone, leg. Örgel & Yaman. **Kütahya:** 1♂, 19. IX. 2013,

Gediz, Sandıklı 2 km S, 38°55'03"N, 29°25'44"E, 854 m, sifter, leg. Özgen & Örgel; **Manisa:** 2♂♂, 19.VI.2016, Alaşehir, Dağarlar, 38°11'49"N, 28°28'51"E, 576 m, sifter, leg. Yağmur & Örgel; 1♂, 6♀♀, 16.III.2017, Alaşehir, Dağarlar, 38°11'49"N, 28°28'51"E, 576 m, berlese funnel, leg. Yağmur & Örgel; 1♂, 26.X.2016, Alaşehir, Dağarlar, 38°11'49"N, 28°24'51"E, 576 m, sifter, leg. Yağmur & Örgel; 2♂♂, 25.V-01.X.2018, Alaşehir, Dağarlar, Kiraz road, 38°11'49"N, 28°28'51"E, 576 m, MSS trap; 2♂♂, 3♀♀, 01.VII-10.IX.2015, Alaşehir, Dağarlar, MSS trap; 1♂, 1♀, 07.IV.2015, Soma, Yağcılı, 39°20'05"N, 27°40'23"E, 306 m, sifter, leg. Yağmur & Örgel. **Niğde:** 1♂, 2♀♀, 12.IV.2018, Bor, Halaç 8 km NE, Pozantı Mountains, 37°51'28"N, 34°48'01"E, 1960 m, under stone, leg. Anlaş & Örgel, Yaman; 1♂, 12.IV.2018, Bor, Pozantı Mountains, 37°50'51"N, 34°50'39"E, 2220 m, under stone, leg. Anlaş & Örgel, Yaman; 1♂, 02.VI.2016, Ulukışla, Horoz, 37°28'47"N, 34°47'55"E, 1049 m, sifter, leg. Anlaş, Örgel & Yaman. **Sivas:** 2♂♂, 1♀, 19.IV.2018, Divriği, Mursal 5 km W, Leke Mountain, 39°09'08"N, 37°55'43"E, 2080 m, under stone, leg. Anlaş & Örgel, Yaman. **Uşak:** 2♂♂, 26.III.2015, Altıntaş Village Pond, 38°43'04"N, 29°30'27"E, 918 m, sifter, leg. Yağmur & Örgel; 2♂♂, 1♀, 24.XI.2014, Banaz, Susuz, 924 m, 38°38'47"N, 29°43'17"E, sifter, leg. Yağmur & Örgel.

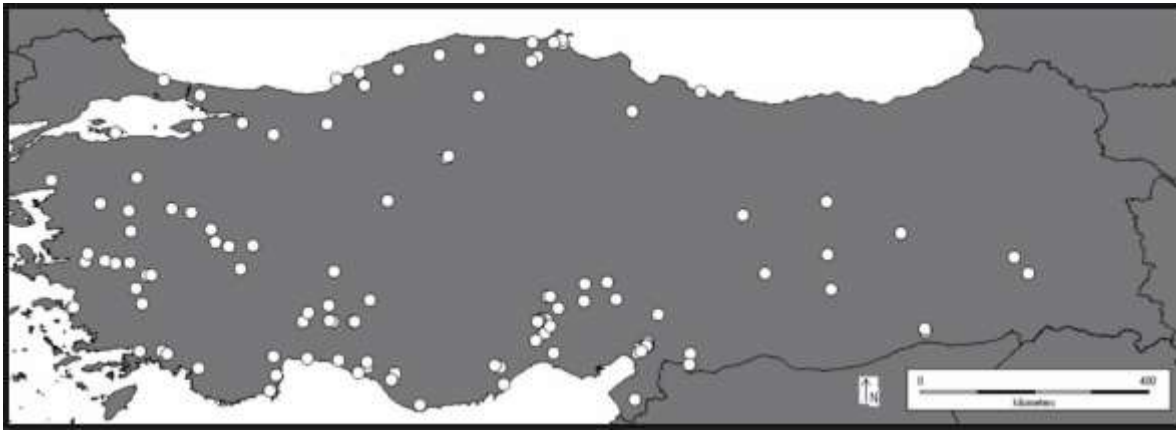


Figure 7. Distribution of *Medon fuscus* (Mannerheim) in Turkey.

Şekil 7. *Medon fuscus* (Mannerheim) türünün Türkiye'deki yayılışı.

Distribution in Turkey: This species is widespread in Turkey, except in northeastern Anatolia (Anlaş, 2009, 2015; Assing, 2004 a; b, 2006, 2007 a; b, 2009, 2013 a; b, 2014 b) (Figure 7). It is reported from the Afyonkarahisar, Bilecik, Çankırı, Elazığ, Kayseri, Niğde Sivas and Uşak Provinces for the first time.

Distribution in the world: Middle East, Turkey, the Balkans, the Black Sea region, Central Europe and South Britain (Anlaş, 2009, 2015; Assing, 2009, 2013 a; b, 2014; Schülke and Smetana, 2015).

Medon lamellatus Assing, 2004

Material examined: Adıyaman: 1♂, 06.IV-

21.VIII.2017, Gölbaşı, 5 km S Karakuyu, 37°41'59"N, 37°36'24"E, 1140 m, pitfall, leg. Yağmur; 1♂, 1♀, 21.VIII-30.VIII.2018, Gölbaşı, 5 km S Karakuyu, 37°41'59"N, 37°36'24"E, 1140 m, pitfall traps, leg. Yağmur. **Kayseri:** 3♂♂, 11♀♀, 17.V.2019, Sarız, 4 km SW Değirmentaş, 38°25'06"N, 36°18'11"E, 1770 m, under stone, leg. Örgel & Köksal.

Distribution in Turkey: Gaziantep, Hatay, Kahramanmaraş, Osmaniye, Tunceli (Assing, 2004 a; b) (Figure 8). It is recorded for the first time from Central Anatolia Region (Kayseri). It is also reported from the Adıyaman Province for the first time.

Distribution in the world: This species is endemic to

Anatolia (Assing, 2004 a; b; Schülke and Smetana, 2015).

***Medon lydicus* Bordoni, 1980**

Material examined: **Balıkesir:** 1♂, 09.XI.2017, Kepsut, Bükdere, 39°44'43"N, 28°15'03"E, 113 m, berlese funnel, leg. Sak & Bulut; 1♂, 02.X.2017, Kepsut, Bükdere, 39°44'48"N, 28°14'53"E, 84 m, berlese funnel, leg. Sak & Bulut; 2♂♂, 3 ♀♀, 19.X.2017, Kepsut, Bükdere, 39°44'43"N, 28°15'03"E, 113 m, berlese funnel, leg. Yağmur & Bulut; 1♂, 4♀♀, 09.X.2017, Dursunbey, 39°34'36"N, 28°25'21"E, 569 m, sifter, leg. Sak & Bulut; 1♂, 5♀♀, 25.XI.2017, Edremit, Çamlıbel, 39°36'19"N, 26°52'12"E, 173 m, berlese funnel, leg. Sak & Bulut; 3♂♂, 22.VI.2017, Bigadiç, Bademli, 39°26'17"N, 28°04'08"E, 249 m, berlese funnel, leg. Bulut; 2♂♂, 22.VI.2017, Kepsut, Bükdere, 39°44'48"N, 28°14'53"E, 84 m, sifter, leg. Bulut; 1♂, 02.X.2017, Sındırgı, 39°13'27"N, 28°07'22"E, 237 m, sifter, leg. Sak & Bulut; 7♂♂, 22.VI.2017, Sındırgı, 39°13'27"N, 28°07'22"E, 237 m, berlese funnel, leg. Bulut; 22 ♂♂, 19.X.2017, Kepsut, Bükdere, 39°44'43"N, 28°15'03"E, 113 m, berlese funnel, leg. Yağmur & Bulut. **Bursa:** 1♂, 2♀♀, 14.VI.2017, Mustafakemalpaşa, Kösehoroz Waterfall road, 39°54'10"N, 28°30'41"E, 333 m, sifter, leg. Yağmur. **Denizli:** 3♂♂, 6♀♀, 12.X.2013, Karcı Mountain, 37°44'22"N, 28°58'37"E, 920 m, sifter, leg. Özgen & Örgel (as *M. abantensis* in Anlaş, 2015); 5♂♂, 4♀♀, 12.X.2013, Karcı Mountain, 37°44'53"N,

28°58'56"E, 724 m, sifter, leg. Özgen & Örgel (Anlaş, 2015; *M. abantensis*); 3♂♂, 12.X.2013, Karcı Mountain, 37°44'31"N, 28°58'36"E, 928 m, sifter, leg. Özgen & Örgel. **İzmir:** 2♂♂, 2♀♀, 10.IV.2014, Kiraz, Karayavrular, sifter, leg. Özgen & Örgel (as *M. abantensis* in Anlaş, 2015); 2♂♂, 28.XI.2014, Bozdağlar, Ödemiş, Horzum 5 km SE, Subatan Plateau, sifter, leg. Yağmur & Örgel. **Manisa:** 1♂, 26.X.2016, Alaşehir, Dağlarlar, 38°11'49"N, 28°24'51"E, 576 m, sifter, leg. Yağmur & Örgel; 1♂, 09.IX.2016-17.III.2017, Manisa, Salihli, Bozdağlar, 38°25'00"N, 28°05'03"E, 922 m, MSS trap. **Muğla:** 2♂♂, 5♀♀, 30.V.2015, Köyceğiz, Yaylaköy 10 km S, 37°00'49"N, 28°43'40"E, 571 m, sifter, leg. Yağmur & Örgel. **Uşak:** 2♂♂, 6♀♀, 16.X.2013, Ulubey-Karahallı road, Banaz Creek, 38°21'59"N, 29°19'38"E, 551 m, sifter, leg. Özgen & Örgel (as *M. abantensis* in Örgel and Anlaş, 2016).

Distribution in Turkey: Aydın, Bursa, Eskişehir, İzmir, Kırklareli, Manisa, Muğla, (Anlaş, 2015; Anlaş and Çevik, 2008; Asing, 2004 a, 2007 b, 2013 a) (Figure 8). It is reported from the Balıkesir, Denizli and Uşak Provinces for the first time.

Distribution in the world: This species is distributed from western Anatolia and the Aegean Sea islands Rhodes, Samos, Ikaria, and Lesbos across the Balkans (Assing, 2004 a, 2006, 2013 a; Schülke and Smetana, 2015).

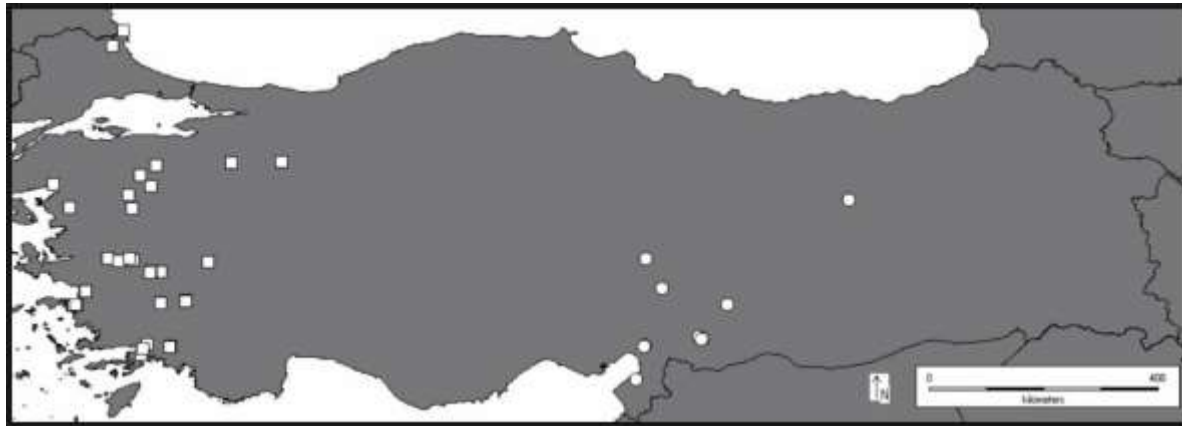


Figure 8. Distributions of *Medon lamellatus* Assing (circles) and *M. lydicus* Bordoni (squares) in Turkey.

Şekil 8. *Medon lamellatus* Assing (daireler) ve *M. lydicus* Bordoni (kareler) türlerinin Türkiye'deki yayılışları.

***Medon lanugo* Assing, 2004**

Material examined: **Antalya:** 2♂♂, 10.III.2016, Kemer, Göynük Valley, 36°41'00"N, 30°31'37"E, 104 m, sifter, leg. Kunt. **Denizli:** 1♂, 30.IV.2015, Çivril, Akdağ, 38°19'45"N, 29°59'18"E, 1631 m, under stone, leg. Yağmur & Örgel. **Elazığ:** 1♂, 1♀, 01.IV.2018, Yedigöze, sifter. **Kayseri:** 6♂♂, 3♀♀, 10.VI.2016, Yahyalı, Derebağ, 38°05'30"N, 35°16'43"E, 1508 m, sifter, leg. Yağmur, Örgel & Yaman. **Niğde:** 1♂, 02.VI.2016, Ulukışla, Horoz, 37°28'47"N, 34°47'55"E, 1049 m, sifter, leg. Örgel & Yaman; 1♂, 2♀♀, 12.IV.2018, Bor,

Halaç 8 km NE, Pozantı Mountains, 37°51'28"N, 34°48'01"E, 1960 m, under stone, leg. Anlaş & Örgel, Yaman. **Osmaniye:** 2♂♂, 15.VI.2014, Kuşçubeli Pass, sifter, leg. Örgel. **Yozgat:** 1♂, 15.X.2018, Aydıncık, Kuşsaray, 40°05'48"N, 35°11'11"E, 1266 m, sifter, leg. Örgel & Yaman; 1♂, 3♀♀, 28.VI.2016, Aydıncık, Kuşsaray, 40°05'07"N, 35°11'24"E, 1317 m, sifter, leg. Örgel & Yaman.

Distribution in Turkey: Adana, Amasya, Antalya, Hatay, Isparta, Konya, Mersin, Muğla, Niğde, Osmaniye, Samsun, Tunceli (Anlaş, 2009, 2015;

Assing, 2004 a; b, 2006, 2007c, 2009, 2013 a; b) (Figure 9). This species is recorded for the first time from Aegean Region (Denizli). It is also reported from the Elazığ, Kayseri and Yozgat Provinces for the first time.

Distribution in the world: This species is endemic to Turkey (Assing, 2004 a; b, 2006, 2009, 2013 a; b; Anlaş, 2015; Schülke and Smetana, 2015).

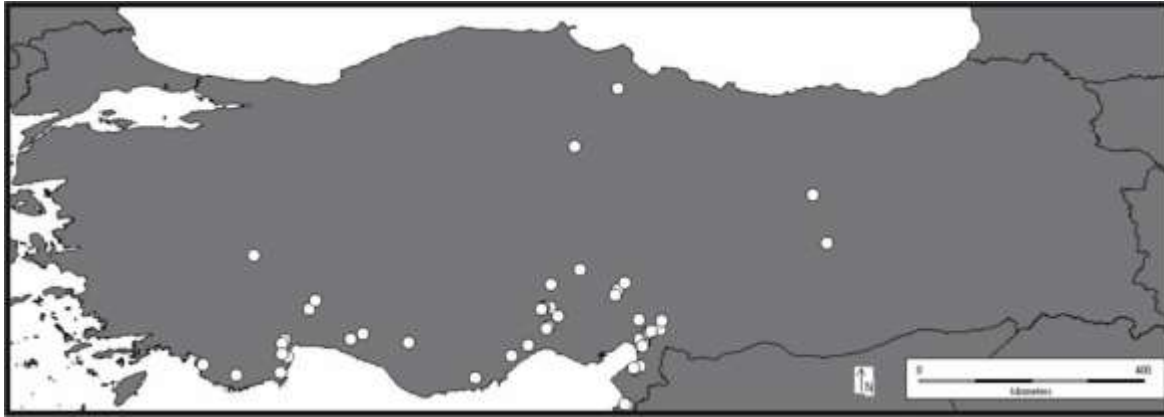


Figure 9. Distribution of *Medon lanugo* Assing in Turkey.

Şekil 9. *Medon lanugo* Assing türünün Türkiye'deki yayılışı.

Medon subfuscus Fagel, 1969

Material examined: Kayseri: 1♂, 10.VI.2016, Yahyalı, Kapuzbaşı Waterfall, 37°46'31"N, 35°23'35"E, 750 m, sifter, leg Yağmur, Örgel & Yaman. **Mersin:** 3♂♂, 8♀♀, 18.VII.2010, Central province 20 km N, Aladağ 1,5 km W, 36°56'21"N, 34°29'09"E, 640 m, sifter, leg. Anlaş (as *M. abantensis* in Anlaş, 2015); 1♂, 2♀♀, 22.VII.2010, Çamlıyayla, Korucak 1 km E, 37°08'56"N, 34°42'51"E,

715 m, sifter, leg. Anlaş (as *M. abantensis* in Anlaş, 2015). **Muğla:** 1♂, 21.V.2015, Dalaman, 36°53'37"N, 28°53'37"E, 127 m, sifter, leg. Yağmur & Örgel.

Distribution in Turkey: Adana, Antalya, Mersin (Anlaş, 2009, 2015; Assing, 2004 a). This species is recorded for the first time from Aegean Region (Muğla). It is also reported from the Kayseri Province for the first time.

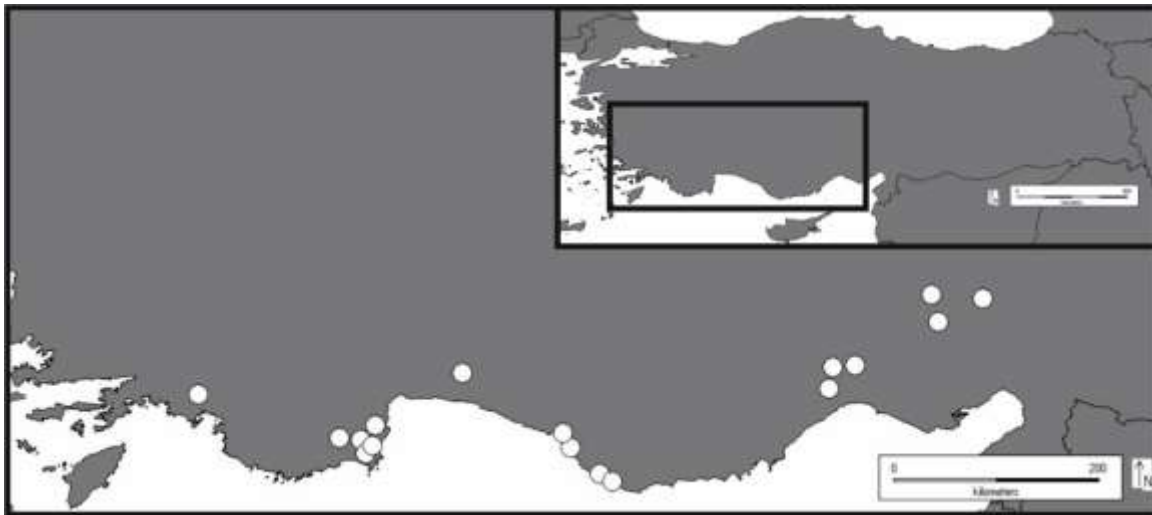


Figure 10. Distribution of *Medon subfuscus* Fagel in Turkey.

Şekil 10. *Medon subfuscus* Fagel türünün Türkiye'deki yayılışı.

Distribution in the world: The known distribution of *M. subfuscus* is confined to Turkey and Aegean Sea island Kos (Assing, 2004 a, 2009).

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Author Contributions

All authors contributed substantially to the manuscript and have met the criteria for authorship.

Competing Interests

The authors declare that there are any competing interests.

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