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## New locality records on Aleocharinae (Coleoptera: Staphylinidae) fauna of Turkey

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### Abstract

This paper provides information about the Aleocharinae Fleming (Coleoptera: Staphylinidae) fauna collected from different provinces of Turkey, during the years of 2006-2020. In conclusion of the examined material, 11 species were reported. Among them, *Aleochara haematoptera* Kraatz, 1858 from Aegean and Southeast Anatolian Region, *Anaulacaspis nigra* (Gravenhorst, 1802) from Eastern Anatolian Region, *Falagria caesa* Erichson, 1837 and *Falagria sulcatula* (Gravenhorst, 1806) from Southeast Anatolian Region, *Tetralaucopora rubicunda* (Erichson, 1837) from Thrace are recorded for the first time. In addition, new records are given for many provinces of Turkey.

**Keywords:** Aleocharinae, new records, fauna, Turkey

### Introduction

Subfamily Aleocharinae Fleming, 1821 is by far the largest subfamily of Staphylinidae Latreille, 1802 with over 16,500 known species all over the world (Newton, 2019) <sup>[1]</sup>. According to Anlaş (2009: updated) <sup>[2]</sup>, some about 620 species of the this subfamily have been known from Turkey.

This paper was prepared in order to give new locality records on Aleocharinae fauna of Turkey.

### Material and methods

Samples were collected using an aspirator, sifter and pitfall traps from different regions of Turkey between the years of 2006-2020. The material referred to in this study is stored in the Alaşehir Zoological Museum, Manisa, Turkey (AZMM). Classification and nomenclature were made according to Newton (2019) <sup>[1]</sup> and Schülke & Smetana (2015) <sup>[3]</sup>.

### Results

#### Family Staphylinidae Latreille, 1802

#### Subfamily Aleocharinae Fleming, 1821

#### *Aleochara brevipennis* Gravenhorst, 1806

**Material:** **Konya:** 1♂, 1♀, 01.04-26.10.2017, Derebucak, 37°22'36"N, 39°29'37"E, 1361 m, Pitfall, leg. Yağmur & Örgel; 1♂, 09.IV-19.VIII.2019, Halkapınar, Seydifakılı, 37°26'44"N, 34°18'25"E, 1863 m, Pitfall, leg. Yağmur & Örgel.

**Distribution in Turkey:** Ankara, Kırıkkale, Mersin (Anlaş, 2009; Sert *et al.*, 2015)<sup>[2, 4]</sup>. The species is reported from Konya Province for the first time.

**Distribution in the world:** This species is widely distributed in Europe and known from Russia, Kazakhstan and Turkey (Schülke & Smetana, 2015) <sup>[3]</sup>.

#### *Aleochara grandeguttata* Assing, 2009

**Material examined:** **Afyonkarahisar:** 2♂, 23.IV.2010, Sinanpaşa, Uluköy 2 km N, 1590 m, 38°45'28"N, 30°00'43"E, leg. Anlaş.

**Distribution in Turkey:** Adana, Aksaray, Artvin, Bitlis, Burdur, Erzurum, Eskişehir, Gümüşhane, Hakkari, Isparta, Kayseri, Kars, Konya, Ordu, Samsun, Sinop, Yozgat (Anlaş, 2009; Assing, 2013; Sert *et al.*, 2015) <sup>[2, 5, 4]</sup>. It is recorded for the first time from Afyonkarahisar Province.

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**Distribution in the world:** According to Schülke & Smetana (2015) <sup>[3]</sup>, *A. grandeguttata* was known from Armenia, Hungary, Romania and Turkey.

***Aleochara haematoptera* Kraatz, 1858**

**Material:** **Ankara:** 1♂, 1♀, 24.VI.2016, Kızılcahamam, Sorgun, 40°19'56"N, 32°13'36"E, 1297 m, leg. Örgel & Kacar.

**Gaziantep:** 2 exs., 07.VI.2006, Şahinbey, Güllüce, Ellezi Dağı, leg. Yağmur.

**Kahramanmaraş:** 4♂♂, 17.V.2019, Göksun, 38°13'11"N, 36°33'52"E, 1530 m, leg. Örgel & Köksal.

**Muğla:** 1♂, 21.V.2015, Dalaman, 36°53'37"N, 28°53'25"E, 127 m, leg. Yağmur & Örgel.

**Ordu:** 1♂, 1♀, 14.VI.2020, Kabadüz, 3 km S Yokuşdibi, 40°44'44"N, 37°55'20"E, 1160 m, leg. Örgel & Kacar.

**Distribution in Turkey:** Amasya, Ankara, Bitlis, Hatay, İstanbul, Kahramanmaraş, Niğde, Osmaniye, Siirt, Sinop, Trabzon, Tunceli, Van (Anlaş, 2009; Assing, 2013; Sert *et al.*, 2014)<sup>[2, 5, 6]</sup>. It is recorded for the first time from Aegean and Southeast Anatolian Regions and Ordu Province.

**Distribution in the world:** The species is widespread in the Europe and known from Iran and Turkey (Schülke & Smetana, 2015) <sup>[3]</sup>.

***Aloconota gregaria* (Erichson, 1839)**

**Material examined:** **Manisa:** 2♂, 1♀, 15.IV.2006, Demirci, Bardakçı, Türkmen Dağı, ca. 1700 m, leg. Anlaş.

**Distribution in Turkey:** Adana, Aksaray, Antalya, Çankırı, Gaziantep, Gümüşhane, Isparta, Kahramanmaraş, Kayseri, Kırşehir, Konya, Mersin, Muğla, Nevşehir, Niğde, Sivas, Yozgat (Anlaş, 2009; Assing, 2013, 2014; Sert *et al.*, 2015; Tezcan *et al.*, 2019)<sup>[2, 5, 7, 4, 8]</sup>. It is recorded for the first time from Manisa Province.

**Distribution in the world:** This species is distributed in Europe, North Africa, Afghanistan, Cyprus, Iran, Syria, Turkey, Kazakhstan, Syria, Uzbekistan and West Siberia (Schülke & Smetana, 2015) <sup>[3]</sup>.

***Anaulacaspis nigra* (Gravenhorst, 1802)**

**Material:** **Denizli:** 1♀, 30.IV.2015, Çivril, Akdağ, 38°19'17"N, 29°59'01"E, 1474 m, leg. Anlaş & Örgel.

**Kars:** 6♂♂, 10♀♀, 29.IV.2017, Sarıkamış, Asboğa lake, 40°23'28"N, 42°40'59"E, leg. Altın.

**Kayseri:** 1♀, 07.V.2018, Develi 6 km S Yaylacık, 38°04'26"N, 35°45'27"E, 1734 m, leg. Örgel & Yaman; 1♀, 25.V.2018, Develi, Yaylacık, 38°03'49"N, 35°46'22"E, 1781 m, leg. Örgel & Yaman.

**Distribution in Turkey:** Amasya, Antalya, Bolu, Çankırı, Eskişehir, İstanbul, Karaman, Kastamonu, Kırşehir, Konya, Muğla, Nevşehir, Niğde, Sinop, Sivas (Anlaş, 2009; Assing, 2016; Sert *et al.*, 2015)<sup>[2, 9, 4]</sup>. It is recorded for the first time from the Eastern Anatolian Region and Denizli and Kayseri Provinces.

**Distribution in the world:** This species is widely distributed in Europe and known from East and West Siberia, Turkey and Uzbekistan (Schülke & Smetana, 2015)<sup>[3]</sup>.

***Drusilla canaliculata* (Fabricius, 1787)**

**Material:** **Amasya:** 8♂♂, 7♀♀, 17.VI.2020, Taşova, 8 km SE Boraboy, 40°50'29"N, 36°06'19"E, 1490 m, leg. Örgel & Kacar; 1♂, 19.VI.2020, Merzifon, 3 km S Aşağıbük, 40°57'07"N, 35°20'16"E, 1460 m, leg. Örgel & Kacar; 1♂, 19.VI.2020, Merzifon, 6 km W Derealan, 40°59'00"N, 35°20'09"E, 1500 m, leg. Örgel & Kacar.

**Bolu:** 2♂♂, 3♀♀, 04.VII.2020, Merkez, 2 km NW Sebenardı, 40°35'21"N, 31°32'33"E, 1415 m, leg. Örgel & Kacar.

**Bursa:** 1♂, 01.VII.2020, Mustafakemalpaşa, 2 km SW Akçapınar, 40°06'24"N, 28°38'14"E, 236 m, leg. Örgel & Kacar.

**Eskişehir:** 2♂♂, 1♀, 27.IV.2019, Sarıcakaya, 40°09'24"N, 30°42'55"E, 1320 m, leg. Örgel & Köksal.

**Kastamonu:** 6♂♂, 3♀♀, 24.VI.2020, Taşköprü, 2 km NE Kayadibi, 41°44'22"N, 34°12'58"E, 1720 m, leg. Örgel & Kacar.

**Tokat:** 2♂♂, 25.VI.2020, Almus, 8 km S Babaköy, 40°14'10"N, 36°59'02"E, 1730 m, leg. Örgel & Kacar.

**Distribution in Turkey:** Aksaray, Ankara, Antalya, Ardahan, Balıkesir, Bitlis, Bolu, Bursa, Çankırı, Erzincan, Erzurum, Eskişehir, Gümüşhane, Isparta, İstanbul, Kahramanmaraş, Karabük, Kars, Kastamonu, Kayseri, Kırıkkale, Kırşehir, Konya, Nevşehir, Niğde, Osmaniye, Sinop, Sivas, Yozgat (Anlaş, 2009; Assing, 2010, 2015; Japoshvili & Anlaş, 2011; Sert *et al.*, 2014, 2015; Varlı *et al.*, 2018; Örgel, 2020) <sup>[2, 10, 11, 12, 6, 4, 13, 14]</sup>. It is recorded for the first time from Amasya and Tokat Provinces.

**Distribution in the world:** This species is widely distributed in Palaearctic and Nearctic Regions (Schülke & Smetana, 2015) <sup>[3]</sup>.

***Falagria caesa* Erichson, 1837**

**Material examined:** **Gaziantep:** 2♂, 1♀, 07.VI.2006, Şahinbey, Sarısalkım 1 km N, leg. Anlaş & Yağmur.

**Distribution in Turkey:** Amasya, Ankara, Kırşehir, Konya, Nevşehir (Anlaş, 2009; Sert *et al.*, 2014, 2015)<sup>[2, 6, 4]</sup>. It is recorded for the first time from the Southeastern Anatolian Region.

**Distribution in the world:** This species is widely distributed in Palaearctic Region and known from Nearctic and Oriental Regions (Schülke & Smetana, 2015) <sup>[3]</sup>.

***Falagria sulcatula* (Gravenhorst, 1806)**

**Material:** **Adıyaman:** 1♂, 1♀, 03.IV-22.VIII.2017, Merkez, Palanlı, 37°50'04"N, 38°18'56"E, 924 m, Pitfall, leg. Yağmur.

**Distribution in Turkey:** Aksaray, Ankara, Çankırı, Eskişehir, İstanbul, Kayseri, Kırşehir, Konya, Niğde, Sivas (Anlaş, 2009; Sert *et al.*, 2014, 2015) <sup>[2, 6, 4]</sup>. It is recorded for the first time from the Southeastern Anatolian Region.

**Distribution in the world:** This species is widely distributed in Europe and known from Afghanistan, China, Russia and Turkey (Schülke & Smetana, 2015) <sup>[3]</sup>.

***Ischnopoda umbratica* (Erichson, 1837)**

**Material examined:** **Manisa:** 2♂, 16.IV.2006, Demirci, Köpüleri creek, leg. Anlaş.

**Distribution in Turkey:** Kayseri, Manisa, Sivas, Yozgat

(Anlaş, 2009; Sert *et al.*, 2015)<sup>[2, 4]</sup>.

**Distribution in the world:** This species is widely distributed in Europe and known from North Africa, Russia and Turkey (Schülke & Smetana, 2015)<sup>[3]</sup>.

***Tetralaucopora longitarsis* (Erichson, 1839)**

**Material examined: Manisa:** 1♂, 3♀, 02.IX.2009 and 14.III.2010, Manisa, Spil National Park, 1200 m, 38°33'20"N, 27°23'17"E, leg. Anlaş.

**Distribution in Turkey:** Adana, Amasya, Antalya, İzmir, Konya, Manisa, Mersin, Niğde, Yozgat (Anlaş, 2009; Anlaş & Rose, 2011; Assing, 2014; Sert *et al.*, 2015)<sup>[2, 15, 7, 4]</sup>.

**Distribution in the world:** This species is widely distributed in Europe and known from Cyprus, Iran, Korea, China and Turkey (Schülke & Smetana, 2015)<sup>[3]</sup>.

***Tetralaucopora rubicunda* (Erichson, 1837)**

**Material examined: Kırklareli:** 1♂, 1♀, 29.IX.2009, Demirköy, İğneada, Longoz Mert Lake, ca. 41°49'N; E 27°57'E, leg. Kunt.

**Distribution in Turkey:** Adana, Aksaray, Aydın, Çankırı, Karaman, Kayseri, Nevşehir, Niğde (Anlaş & Rose, 2010; Assing, 2014; Sert *et al.*, 2015)<sup>[16, 7, 4]</sup>. It is recorded for the first time from Thrace.

**Distribution in the world:** This species is widely distributed in Europe and known from Iran, Kazakhstan, Turkey and Uzbekistan (Schülke & Smetana, 2015)<sup>[3]</sup>.

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