Abstract

This study is based upon material of the tribes Notiophilini and Platynini collected at different localities in Turkey between 1972 and 2006. Totally 28 species belonging to ten genera in the tribes Notiophilini (Notiophilinae) and Platynini (Pterostichinae) are recorded. In addition, new localities have been found for some species which have already been reported from Turkey. *Laemostenus gratus* FALDERMANN, 1836 and *Notiophilus aesthuans* MOTSCHULSKY, 1850 are new records for the turkish Carabidae fauna.

Key words: Coleoptera, Carabidae, Notiophilini, Platynini, Fauna, Turkey.

Introduction

The first part of the Carabidae fauna of Turkey covered the tribe Harpalini (*KESDEK & YILDIRIM 2003*), the second part the tribe Platynini (*KESDEK & YILDIRIM 2004*), the third
part the tribe Bembidiini (KESDEK & YILDIRIM 2007), the fourth part the tribes Dryptini, Lebiini and Zuphiini (KESDEK & YILDIRIM 2007), the fifth part the tribe Brachinini (KESDEK & YILDIRIM 2007) and now the sixth part includes the tribes Notiophilini and Platynini. The information related to the material and literature was given in the first part. Locality provinces of the collected species are given in alphabetic order in the following list. The material is deposited in the Entomology Museum, Erzurum, Turkey (EMET).

In this study, 28 species of ten genera belonging to the tribes Notiophilini (Notiophilinae) and Platynini (Pterostichinae) of the family Carabidae are recorded from Turkey. Among them, *Laemostenus gratus* FALDERMANN, 1836 and *Notiophilus aesthuans* MOTSCHULSKY, 1864 are new records for the turkish Carabidae fauna. Additionally, *Ancho-menus dorsalis* (PONTOPPIDAN, 1763), *Calathus ambiguus* (PAYKULL, 1790), *C. distinguendus* CHAUDOIR, 1846, *C. longicollis* MOTSCHULSKY, 1864, *C. melanocephalus* (LINNAEUS, 1758) and *C. syriacus* CHAUDOIR, 1863 are very abundant species and widespread in the research area. *Agonum rugicolle* CHAUDOIR, 1846, *Calathus femoralis* CHAUDOIR, 1866, *Pristonychus capitatus* (CHAUDOIR, 1854) and *P. mannerheimi* (KOLENATI) are endemic species.

**Results**

**Subfamily Notiophilinae MOTSCHULSKY, 1850**

**Tribus Notiophilini MOTSCHULSKY, 1850**

Genus *Notiophilus* DUMERIL, 1806

*Notiophilus aesthuans* MOTSCHULSKY, 1864: Erzurum: Umudum Plateau, 2100 m, 26.VII.2003, ♀. - New record for Turkey!


**Subfamily Pterostichinae BONELLI, 1810**

**Tribus Platynini BONELLI, 1810**

Genus *Agonum* BONELLI, 1810


*Agonum hypocrita* (APFELBECk, 1904): Ardahan: Çamlıçatık, 3 km East, 15.X.2005, ♂. Erzurum: Palandöken Mountain, 1960 m, 7.VII.2005, ♀; Aşkale, Pınakapany, 1900 m, 15.IX.2005, ♀; Karayazı, Karaağaç, 1875 m, 26.X.2005, 2 ♂♂, 4 ♀♀; Yeniköy, 1870 m, 26.X.2005, 6 ♂♂, 5 ♀♀; Yücelik, 1870 m, 26.X.2005, 4 ♂♂, 8 ♀♀; Köprüköy, İlçesu,


Agonum viridicupreum (Goeze, 1777): Ardahan: 3 km East, 4.VIII.2005, 4 ♂♂, 3 ♀♀; Çamlıçatak, 2100 m, 4.VIII.2005, ♂, ♀; Damal, 1910 m, 15.X.2005, ♂, ♀; Göle, Tahtakıran, 2080 m, 26.VIII.2005, ♂, ♀; Hanak, 1820 m, 15.X.2005, ♂, ♀; Posof, Aşkızülali, 1963 m, 26.VII.2005, 2 ♀♀; Ilgar Plateau, 2340 m, 18.VIII.2004, 3 ♂♂, 3 ♀♀; Artvin: Şavsat, 2250 m, 4.VIII.2005, ♀. Erzurum: Börekli, 2125 m, 7.VII.2005, 2 ♂♂; Palandöken Mountain, 2050 m, 26.VIII.2004, 2 ♂♂, ♀; 7.VII.2005, ♂; Tekederesi, 1.X.2004, ♂; Tepeköy, 1905 m, 19.IX.2005, ♂, ♀; Aşkale, 2 km Southeast, 1970 m, 30.IV.2006, ♂, ♀; Kop Mountain, 2300 m, 14.X.2004, ♂, ♀; Yeniköy, 1820 m, 26.X.2005, 2 ♂♂, 2 ♀♀; Yücelik, 1870 m, 26.X.2005, 3 ♂♂, 3 ♀♀; Pazaryolu, 1890 m, 14.X.2004, 2 ♂♂; 18 km South, 21.X.2004, ♂, 2 ♀♀. Kars: 3 km South, 1850 m, 22.VII.2005, ♂; Digo, Koçaköy, 1830 m, 17.VII.2005, ♂, ♀; Sarıkamış, Akkurt, 1250 m, 16.V.2005, ♂; Yeniköy, 1430 m, 16.X.2005, 3 ♂♂, 5 ♀♀; Soğukçesme, 2200 m, 2.VIII.2005, 2 ♀♀; Şeytançammez, 1755 m, 15.VII.2004, ♂; Susuz, Taşlıdere, 1890 m, 25.VII.2005, ♀.

Genus Anochomenus Bonelli, 1810

m, 26.VI.2005, ♂; 1960 m, 17.V.2006, 2 ♀♂, 2 ♀♀; Tepeköy, 1905 m, 19.IX.2005, ♂; Umudum Plateau, 2100 m, 26.VII.2003, ♂; Aşkale, 3 km West, 1800 m, 14.X.2004, ♂; 2 km Southeast, 1970 m, 30.IV.2006, 3 ♀♀; Kop Pass, 2165 m, 15.IX.2005, 3 ♂♂, ♀; Ortahâçê, 1870 m, 19.IX.2005, ♂, ♀; Pirnakapan, 1890 m, 15.IX.2005, 2 ♂♂, ♀; Ilica, Egerti, 1750 m, 21.X.2004, ♂; Yoncalik, 1730 m, 21.X.2004, 3 ♀♀; İspir, Yukanrözbağ, 1710 m, 23.VII.2003, ♂; Karayazi, Yeniköy, 1820 m, 26.V.X.2005, ♂, ♀; Yücelik, 1870 m, 26.X.2005, ♂; Köprüköy, 2 km East, 1650 m, 21.IV.2005, ♂; Güzelhisar, 1825 m, 26.X.2005, ♂, 2 ♀♀; Narman, Elenik, 2100 m, 17.VI.2004, ♀; Oltu, Sarsaz, 1720 m, 18.IV.2005, ♂; Pasinler, 2 km East, 1730 m, 16.X.2004, ♀; Hamanderesi, 1800 m, 7.X.2004, ♂; 20.IV.2005, 2 ♂♂; 16.V.2005, ♂; Pazaryolu, 25 km South, 1930 m, 14.X.2004, ♂, ♀; Tortum, Esendurak, 1150 m, 14.V.2001, ♂, ♀; 1.VIII.2004, ♂; Güzelyayla-Pass, 2128 m, 5.VII.2005, ♂, ♀; Kazandere, 1900 m, 18.VII.2004, 4 ♀♀; Uzundere, Yayla, 1890 m, 12.VII.2004, ♂; 8.X.2004, 3 ♂♂, 3 ♀♀; 1910 m, 28.X.2004, 4 ♂♂, 2 ♀♀; Yayla Pass, 2350 m, 17.V.2005, ♂; 13.VI.2005, 2 ♂♂. Iğdır: Melekli, 980 m, 16.V.2005, ♂, 3 ♀♀; Tuzluca, Gaziler, 1020 m, 16.V.2005, 2 ♀♀. Kars: 3 km North, 1850 m, 22.VII.2005, 4 ♂♂, 7 ♀♀; Digor, Kocaköy, 1830 m, 17.VII.2005, ♂; Sarıkamış, 10 km East, 1360 m, 7.X.2005, ♂, ♀; 5 km South, 1775 m, 7.X.2005, 4 ♂♂, ♀; Akkurt, 1350 m, 4.VI.2004, 2 ♂♂; 18.V.2005, ♂; Susuz, 2 km Southeast, 1975 m, 25.VII.2005, ♂; 1890 m, 25.VII.2005, ♂.

Genus *Antisphodrus* SCHAUSS, 1865


Genus *Calathus* BONELLI, 1810

Horasan, 4.VI.2000, ♂; Akçataş, 1870 m, 2.VI.2006, ♀; Yukarıhoron, 1890 m, 2.VII.2006, ♀; Ilıca, Atlıkonak, 1910 m, 4.V.2006, 2 ♂♂; Yoncalık, 1730 m, 21.X.2004, 2 ♂♂; Kayrawaz, Karaqul, 1875 m, 26.X.2005, ♂; Köprüköy, 2 km East, 1750 m, 27.V.2004, 5 ♀♂; 16.X.2004, ♀; 20.IV.2005, 2 ♂♂, 3 ♀♀; 18.V.2005, ♂; Güzelsir, 1825 m, 26.X.2005, ♀; Kayabaşı, 1467 m, 14.VI.2004, 2 ♀♀; Narman, 12 km South, 1900 m, 3.VII.2005, ♀; Oltu, Çamhıbel, 1750 m, 17.V.2004, ♀; Sarıçaza, 1720 m, 18.IV.2005, ♂; Şenkaya, Çakırbaş Pass, 2450 m, 9.VIII.2003, 2 ♂♂; 18.VIII.2004, 2 ♀♀; 4.IX.2004, ♂, 3 ♀♀; 12.VII.2005, 6 ♂♂, 2 ♀♀; 12.X.2005, ♂; Taht, 1950 m, 24.V.2005, ♀; Tortum, Güzelyayla Pass, 2128 m, 5.VII.2005, ♂, 2 ♀♀; Uzundere, 1250 m, 5.VII.2005, ♀; Yayla, 1800 m, 17.V.2004, ♀; 28.IX.2004, ♀; Yayla Pass, 2450 m, 12.VII.2004, ♂; 18.VII.2004, 2 ♂♂; 16.VII.2005, ♂; 17.V.2005, ♀. Iğdır: Halfeli, 910 m, 16.VII.2005, 2 ♀♀; Suvener, 1250 m, 4.VI.2004, ♀; 1150 m, 17.V.2005, ♂, 3 ♀♀; Tuzluca, Çivcevat, 1050 m, 16.V.2005, 2 ♀♀; Gaziler, 1020 m, 16.V.2005, 3 ♂♂, 4 ♀♀; Pirli, 1100 m, 3.VI.2004, 2 ♂♂. Kars: 3 km North, 1850 m, 22.VII.2005, 2 ♀♀; Digor, 20 km South, 1740 m, 17.V.2005, ♂, 2 ♀♀; Kokácil, 1750 m, 13.V.2004, 3 ♀♀; 15 km East, 1115 m, 17.V.2005, 3 ♂♂, ♀; 20 km West, 1820 m, 23.VI.2005, ♀; Aydnkavak, 3 km West, 1350 m, 17.V.2005, 2 ♂♂, 3 ♀♀; 1500 m, 3.VI.2004, 3 ♂♂, 4 ♀♀; Değirmendere, 1370 m, 17.V.2005, 4 ♀♀; Yukanıslantılı, 1300 m, 17.V.2005, 2 ♂♂, 3 ♀♀; Sarıkamuş, 10 km East, 1360 m, 7.X.2005, 2 ♀♀; 5 km South, 1775 m, 7.X.2005, ♀; Akkurt, 1250 m, 16.V.2005, 3 ♀♀; 5 km South, 1775 m, 7.X.2005, ♂; 1350 m, 4.VI.2004, 3 ♂♂, 2 ♀♀; Çatak, 1940 m, 16.X.2005, ♂; Karakurt, 3.VI.2004, 2 ♂♂, 2 ♀♀; 1775 m, 7.X.2005, ♂, 2 ♀♀; 2.VI.2006, 10 km West, 1770 m, 20.IV.2005, 2 ♂♂; 5 km South, 1550 m, 16.V.2005, 3 ♀♀; Soğukçeşme, 2100 m, 9.X.1998, 2 ♂♂, 4 ♀♀; Şeytangümüş, 1755 m, 14.VI.2004, 4 ♀♀; 1780 m, 23.VI.2005, ♂; Susuz, 20 km Southeast, 1975 m, 25.VII.2005, 3 ♂♂, 5 ♀♀; Taşlodere, 1690 m, 25.VII.2005, 2 ♂♂.


**Calathus femoralis** CHAUDOIR, 1866: Artvin: Atilla Valley, 1970 m, 5.VII.2005, σ; Genya Mountain, Kağıtşar, 1655 m, 10.VI.2006, σ.

**Calathus longicollis** MOTSCHULSKY, 1864: Ardahan: Posof, Asıklazlalı, 1963 m, 26.VII.2005, σ, 2 ♂ ♂. Erzincan: 70 km East, 1450 m, 23.V.2006, ♂; Mercan, Yollarüstü, 1650 m, 26.V.2005, σ, ♂; Tercan, 40 km West, 1345 m, 12.VI.2004, ♂; Yaylacık, 1275 m, σ, ♂. Erzurum: Dadaşkent, 1800 m, 11.V.2002, σ; Palandöken, 2150 m, 12.VII.2005, 2 ♂ ♂; Tekederes, 2150 m, 12.VI.2005, σ, ♂; Tuzcu, 1900 m, 8.X.2004, 2 σ♂ ♂; Umudum Plateau, 2200 m, 26.V.2003, 4 σ♂ ♂; University field, 1850 m, 27.VII.2005, 2 σ♂ ♂, 2 ♂♀; 2.V.2006, 2 σ♂ ♂, ♂; Aşkale, 1800 m, 27.IV.2002, σ; Pınarakan, 1900 m, 25.V.2005, ♂; 13.VII.2005, σ, ♂; Çat, Yavi, 1850 m, 21.V.2004, ♂; Yukarçat, 1875 m, 21.V.2004, ♂; Hınıs, Hacıomer, 1780 m, 22.VII.2005, σ, ♂; Karayazı, Çatalören, 1820 m, 22.VII.2005, ♂; 1840 m, 26.X.2005, σ, ♂; Narman, 1870 m, 16.IV.2002, ♂; 18.V.2005, σ, 3 ♂♀; Oltu, Sarısa, 1720 m, 18.IV.2005, ♂; Pasinler, 2.VIII.2001, σ; Tortum, Aksu, 1800 m, 17.V.2004, 3 ♂♀; Güzelyayla Pass, 2128 m, 5.VII.2005, σ; Karagöbek, 1930 m, 27.V.2004, ♂; Uzundere, Yayla Pass, 2350 m, 5.VII.2005, 2 σ♂ ♂, 2 ♂♀. Iğdır: Tuzluca, Pirli, 1100 m, 3.VI.2003, ♂; Üçkaya, 1500 m, 29.VI.2003, σ. Kars: 1760 m, 5.VI.2000, ♂.


**Calathus syriacus** CHAUDOIR, 1863: Artvin: Şavşat, Yavuzköy, 1680 m, 11.VI.2005, 4 σ♂ ♂, ♂. Erzincan: 22.VII.1994, 2 ♂♀; Refahiye, Alacaatlı, 1750 m, 26.V.2005, σ; Sakaltutan Pass, 2200 m, 26.V.2005, 2 σ♂ ♂, ♂; Tercan, 10 km East, 1325 m, 12.IV.2004, σ; 14.V.2004, ♂; Yaylacık, 1275 m, 12.VI.2004, ♂; Üzümlü, Avciyar, 1330 m, 25.V.2005, 2 ♂♀; Günebakantı, 1350 m, 26.V.2005, ♂. Erzurum: Böreklü, 2125 m, 7.VII.2005, ♂; 2120 m, 19.IX.2005, ♂; Haydarlı, 1900 m, 4.VII.2005, 4 σ♂ ♂, 3 ♂♀; Palandöken, 1660 m, 7.VII.2005, σ, 2 ♂♀; Tekederes, 1950 m, 2.VII.2004, ♂; University field, 1850 m, 2.V.2005, σ, 2 ♂♀; Aşkale, 2 km Southeast, 1970 m, 30.IV.2005, 2 σ♂ ♂; Kop Pass, 2400 m, 7.IX.2001, σ; Ortabahçe, 1650 m, 4.VII.2005, 5 σ♂ ♂, 2 ♂♀; 1890 m, 19.IX.2005, 5 σ♂ ♂, 4 ♂♀; Pınarakan, 1750 m, 27.V.2004, ♂; 1920 m, 14.X.2004, 3 σ♂ ♂, 2 ♂♀; 1900 m, 13.VII.2005, 2 σ♂ ♂, ♂; 15.IX.2005, 2 σ♂ ♂, ♂; Çat, 2 km Northeast, 12.IV.2002, 3 σ♂ ♂, 2 ♂♀; Yavi, 1850 m, 21.V.2004, ♂; Hınıs, Söylemezi, 1750 m, 28.VI.2005, σ, 2 ♂♀; İlica, Yoncalık, 1730 m, 21.X.2004, ♂, ♂; Karayazı, Karaağıl, 1875 m, 26.X.2005, 2 σ♂ ♂, 4 ♂♀; Yeniköy, 1820 m, 26.X.2005, σ; Yücelik, 1870 m, 26.X.2005, 3 σ♂ ♂, 3 ♂♀; Köprüköy, Güzelsıh, 1825 m, 26.X.2005, 2 σ♂ ♂; Narman, 12 km North, 3.VII.2005, σ, 3 ♂♀; Pasinler, Hamamderesi, 1800 m, 16.V.2000, ♂; 20.IV.2005, σ; 18.V.2005, σ; 12.X.2005, 2 σ♂ ♂, 3 ♂♀; Pazaryolu, 13 km Southeast, 21.X.2004, 2 σ♂ ♂; Şenkaya, Çakırbaba Pass, 12.VII.2005, σ, ♂; Sindiran,
2100 m, 26.IX.2005, 2 ♂♀; Taht, 1950 m, 24.V.2005, 2 ♂♂, 2 ♀♀; Tortum, 10.IX.1972, 2 ♂♂; Aksu, 1800 m, 17.V.2004, 2 ♂♂, 3 ♀♀; Esendurak, 1910 m, 11.VII.2004, ♀; Uzundere, Yayla Pass, 2450 m, 18.VII.2004, ♂, 2 ♀♀. Kars: Digor, Yeniköy, 1695 m, 4.V.2004, ♂, ♀; Kağızman, 15 km East, 1115 m, 17.V.2005, ♂, ♀; Değirmendere, 1470 m, 17.V.2005, ♂, 2 ♀♀; Sarıkamış, Çatak, 1940 m, 16.X.2005, ♀.


Genus Dolichus BONELLI, 1810

Dolichus halensis (SCHALLER, 1783): Erzurum: Tortum, Esendurak, 1150 m, 10.VIII.2004, ♂, 3 ♀♀.

Genus Laemostenus (BONELLI, 1810)


Genus Olisthopus DEJEAN, 1828


Genus Pristonychus DEJEAN, 1828

Pristonychus capitatus (CHAUDOIR, 1854): Erzurum: Palandöken, 2150 m, 12.VI.1980, ♂, ♀.


Genus Synuchus GYLLENHAL, 1810

Synuchus nivalis (PANZER, 1797): Ardahan: 1795 m, 17.VIII.2004, ♂, ♀; 13 km

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Literaturbesprechung


Ein interessantes Nachschlagewerk, welches zum “Schmökern” einlädt und verführt.

R. GERSTMEIER


Rundum eine gelungene und sehr empfehlenswerte Darstellung.

R. GERSTMEIER


Contribution to the knowledge of Carabidae fauna of Turkey Part 6: Notiophilini and Platynini (Coleoptera: Carabidae, Notiophilinae and Pterostichinae) 5-16