

Leaf-beetles (Coleoptera, Chrysomelidae) new to the fauna of Turkey

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Summary

Seven species of leaf-beetles (Chrysomelidae) are new records to the fauna of Turkey. Material is deposited in the Museum of Plant Protection Department at Atatürk University, Erzurum, Turkey.

Introduction

The leaf-beetle family Chrysomelidae comprises over 37000 described species that are grouped into 19 subfamilies and more than 2000 genera of unequal sizes and importance. Only the Curculionidae, another phytophagous beetle family, can challenge that number of species among beetles (Jolivet et al., 1988).

The Chrysomelidae fauna of Turkey has not been known precisely. However, chrysomelids can be said to represent one of the best known group of insects in Turkey. Medvedev (1970, 1975) made the first comprehensive studies on Turkish Chrysomelidae and listed 83 and 123 species respectively. Bodemeyer (1900), Gadeau de Kerville (1939), Kışmalı (1973), Gruev and Tomov (1979), Gruev and Kasap (1985), Kasap (1987 a, b; 1988 a, b), Kışmalı (1989), Aydın ve Kışmalı (1990) and Gruev(1992) have made important contributions on this subject. Recently, Özbek et al. (1995) recorded *Psylliodes kasyi* Lopatin for the first time from Kağızman (Kars) and Yusufeli (Artvin) on cherry and morello cherry.

The above mentioned literature reveal that more than 280 species of chrysomelids have been reported in the 71 genera and 13 subfamilies so far in Turkey. Since the

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richness of the chrysomelid fauna is more or less linked with abundance of the flora, a country such as Turkey having different climates and geographical regions should have many more species than this number.

Results

In the present work 7 species of Chrysomelidae are newly recorded to the fauna of Turkey. All the specimens of the subfamily Alticinae have been identified on the basis of their genitalia.

Subfamily: Chrysomelinae

Chrysomela collaris Linnaeus, 1758

Chrysomela collaris Linnaeus, Syst. Nat., ed. 10: 371.

Material examined: Turnalı, Şenkaya (Erzurum), 28. VII. 1993, 1750 m, Leg. E. Yıldırım, 1 ex.

General distribution: Europe (Excluding the mediterranean parts), Asia-Caucasus, China (North-East), Kazakhstan, Mongolia, Russia (all Siberia) (Gruev, 1992).

Subfamily: Alticinae

Epitrix caucasica (Heikertinger, 1950)

Epitrix caucasica Heikertinger, Kol. Rundschau, 31: 4-6: 120.

Material examined: Erzurum, 19. V. 1980, on *Hyoscyamus niger*, 1900 m, 3 exs.; 6. VI. 1982, Erzurum, Leg. H. Özişik, 1 ex.

General distribution: Europe-Russia (South), Asia-Caucasus, Georgia, India (Himalaya), Iran, Kazakhstan, Mid Asia, Transcaucasus (Gruev, 1992).

Longitarsus brisouti Heikertinger, 1912

Longitarsus brisouti Heikertinger, Ent. Blätter, 8: 293.

Material examined: Kandilli (Erzurum), 25. VI. 1982, leg. H. Özişik, 2 exs.; Söğütlü, Erzurum, 2. VIII. 1983, 1850 m, leg. H. Özişik, 1 ex.; University of Erzurum (Campus), 9. VII. 1992, 1800 m, leg. İ. Aslan, 1 ex. Sandıklı, Kemaliye (Erzincan), 21. VII. 1983, leg. H. Özişik 1 ex.; Karacuha, Horasan (Erzurum), 31. V. 1981, 1750 m, leg. H. Özbek, 4 exs., on *Senecio* sp.

General distribution: Europe-Bosnia-Herzegovina, Bulgaria, Croatia, France, Germany, Hungary, Italy, Montenegro, Romania, Spain; Asia-Russia (South: Maikop) (Gruev, 1992).

Longitarsus foudrasi Weise, 1893

Longitarsus foudrasi Weise, Naturgesch. Ins. Deutschl., Col. 6: 987.

Material examined: Meydanlar, Tortum (Erzurum), 24. VIII. 1993, 1400 m, leg. İ. Aslan, 1 ex.

General distribution: Europe: Albania, Austria, Bosnia-Herzegovina, Bulgaria, Croatia, Germany, Greece, Hungary, Italy, Macedonia, Montenegro, Poland, Romania, San Marino, Serbia, Slovakia, Spain, Ukraine; Asia-Caucasus, Russia (Siberia); Africa-Algeria, Morocco, Tunisia (Gruev, 1992).

Longitarsus ganglbaueri Heikertinger, 1912

Longitarsus ganglbaueri Heikertinger, Ent. Blater, 8: 292.

Material examined: Asian Turkey (no detailed data), 1 ex.

General distribution: Europe-Austria, Bosnia-Herzegovina, Bulgaria, Byelorrussia, Croatia, Czechia, England, France, Germany, Greece, Hungary, Ireland, Italy, Macedonia, Montenegro, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Ukraine; Asia-Caucasus, Dagheistan, Mongolia, Russia (East) (Gruev, 1992).

Longitarsus juncicola (Foudras, 1860)

Teinodactyla juncicola Foudras, Ann. Soc. Linn. Lyon (N. S.), 6: 239-301.

Material examined: Esirođlu, Trabzon, 4. VII. 1992, 2 exs.; 9. VII. 1992, 1 ex.; 6. VIII. 1992, leg. S. Karadeniz, 1 ex.

General distribution: Europe: Albania, Austria, Bosnia-Herzegovina, Bulgaria, Croatia, France, Greece (Ionian and Crete Islands), Hungary, Italy, Malta, Montenegro, Romania, Spain, Ukraine; Asia-Azerbaijan, Caucasus, Transcaucasus; Africa-Algeria, Libya, Morocco, Tunisia (Gruev, 1992).

Longitarsus scutellaris (Rey, 1873)

Thyamis scutellaris Rey, Ann. Soc. Linn. Lyon (N. S.), 20: 231.

Material examined: Abdurrahman Gazi, Erzurum, 12. VII. 1993, 2300 m leg. İ. Arslan, 4 exs.

General distribution: Europe-Albania, Austria, Bosnia-Herzegovina, Bulgaria, Croatia, France, Germany, Hungary, Italy, Montenegro, Romania, Slovakia, Spain, Ukrania, Asia-Russia (Krasnodar Prov.) (Gruev, 1992).

Özet

Türkiye faunası için yeni yaprak böcekleri (Coleoptera, Chrysomelidae)

Chrysomela collaris Linnaeus (Chrysomelinae), *Epitrix caucasica* (Heikertinger), *Longitarsus brisouti* Heikertinger, *L. foudrasi* Weise, *L. ganglbaueri* Heikertinger, *L. juncicola* (Foudras) ve *L. scutellaris* (Rey) (Alticinae) Türkiye faunası için yeni olan yaprak böcekleri (Chrysomelidae)'dir. Ayrıca *E. caucasica*'nın *Hyoscyamus niger* bitkisinde beslendiđi yine bu alıřma ile belirlenmiřtir.

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