

Preliminary list of Auchenorrhyncha with notes on distribution and importance of species in Turkey. XXI. Family : Cicadellidae : Deltocephalinae : Athysanini (Part I)

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Summary

The tribe of Athysanini of Turkey contains about 80 species and of course, it is not possible to treat them all in the restricted pages in this journal. Therefore, we are going to list them in four parts. Thus in this first part, 23 species belong to the following genera; *Platymetopius*, *Proceps*, *Anoplotettix*, *Colladanus* and *Paramesodes* are treated. From these, *Platymetopius safavii* Dlab., *Pl. (Quernus) curvatus* Dlab., *Pl. (Quernus) quercinus* Dlab., *Anoplotettix eckerleini* Dlab., *A. fuscovenosus* (Ferr.) and *A. rodosicus* Dlab. are added as new records to the Turkish fauna.

Distribution, abundance and plants of which the specimens are collected on of each species are given.

Introduction

Most of the species given here are recorded previously by Oshanin (1912), Dlabola (1957, 1970, 1971 a, 1971 b, 1974 a, 1974 b, 1981 and 1984), Linnavuori (1965), Kalkandelen (1974) and Kartal (1983).

The species are listed here have not been observed as economically important on the cultivated plants up to date. Synonyms, distribution of the species in the Palearctic Region are taken from Nast (1972). Additional countries are given with literature citations afterwards.

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Platymetopius chloroticus Putton, 1877

Synonymy : *Pl. turkistanicus* Kusn., 1929

General distribution : Afghanistan, Mongolia, USSR (Armenia, Azerbaijan, Kazakhstan, Kirgizia, s. Russia, Tadzhikistan, Turkmenia, Ukraine, Uzbekistan). Turkey, Iran (Dlabola 1971 b, 1981).

Distribution in Turkey : Dlabola (1 c.) reported it from Hakkari (Esendere, Yüksekova).

The authors have no representative specimens of this species in their collection.

Platymetopius cruentatus Haupt, 1927

General distribution : Iran, Iraq, Israel, Jordan, Turkey.

Distribution in Turkey : Dlabola (1957) listed it from Adana (Bürücek, Abacılar, Central province). Kalkandelen (1974) reported also it from Nevşehir (Çat).

Material examined : Muğla (Milas) - Only two specimens.

Occurrence : Very occasionally.

Biological note : Specimens were collected on sesame in mid July and September.

Platymetopius filigranus (Scott, 1876)

General distribution : Austria, Czechoslovakia, France, Hungary, Italy, Spain, Turkey, Yugoslavia.

Distribution in Turkey : Dlabola (1957) reported it from Adana (Suluhan), Ankara (Çubuk Baraj) and Edirne.

The authors have no representative material of this species.

Platymetopius guttatus Fieber, 1869

General distribution : Albania, Austria, Bulgaria, Cyprus, Czechoslovakia, France, Germany, Hungary, Italy, Norway, Poland, Portugal, Sweden, Switzerland, Turkey, USSR (Moldavia, Tadzhikistan, Ukraine), Yugoslavia, Iran, Crete (Dlabola, 1957).

Distribution in Turkey : Dlabola (1 c.) reported it from Kocaeli (Molafeneri) and Kütahya.

Material examined : Bursa (İnegöl), İzmir (Bayındır) - Only three specimens.

Occurrence : Very occasionally.

Biological note : The specimens were collected in mid-June, on a vine leaf and also by light trap. Ribaut (1952) and Diabola (1981) have given *Quercus* as the host plant for this species.

Platymetopius henribauti Diabola, 1961

General distribution : Bulgaria, Czechoslovakia, Germany, Italy, Mongolia, USSR (Georgia, Kazakhstan, s. Russia), Yugoslavia. Turkey (Kalkandelen, 1974).

Distribution in Turkey : Kalkandelen (1974) collected specimens of this species in Ankara (Çubuk Baraj, Karagöl, Lalahan). Diabola (1981) reported it from Erzurum (Kandilli), Kütahya, Sivas (Gürün).

Material examined : Ankara (Çamlıdere) and Konya (Hanönü beli) - Totally 6 specimens.

Occurrence : Occasionally.

Biological note : Specimens were collected on *Quercus* sp. in mid-June through to early September.

Platymetopius major (Kirschbaum, 1868)

General distribution : Albania, Algeria, Austria, Bulgaria, Czechoslovakia, Denmark, France, Germany, Italy, Jordan, Netherlands, Poland, Romania, Sweden, Turkey, USSR (Moldavia, W. Siberia, Ukraine), Yugoslavia. Greece, Iran (Diabola, 1981).

Distribution in Turkey : Linnavuori (1965) collected one specimen near İzmit.

Material examined : Bursa (İnegöl), Sakarya (Adapazarı, Geyve) - Totally 5 specimens.

Occurrence : Occasionally.

Biological note : Specimens were collected by light trap in mid-June to early August. Ribaut (1952) has given *Quercus*, *Betula* and *Salix caprea* as host of the species.

Platymetopius rostratus (Herrich - Schäffer, 1834)

Synonymy : *Pl. rostratus decipiens* Horvath, 1894.

General distribution : Austria, Bulgaria, Czechoslovakia, France, Hungary, Italy, Romania, Spain, Switzerland, USSR (Armenia, Georgia,

Kazakhstan, Kirgizia, Moldavia, Ukraine, Uzbekistan), Yugoslavia, Turkey (Kalkandelen, 1974), Iran (Dlabola, 1981).

Distribution in Turkey : Kalkandelen (l. c.) collected specimens from Ankara (Çubuk Baraj I) and Nevşehir (Ürgüp). Dlabola (l. c.) reported it from Erzurum (Kandilli). It seems to be distributed widely in Turkey.

Material examined : Ankara (Çubuk, Kızılcahamam), Diyarbakır, Elazığ, Erzincan (Değirmencik, Central province, Yalınca), Erzurum, Gümüşhane (Kelkit), Kars (Aralık, Iğdır, Tuzluca), Muş, Sinop (Ahmetyeri) - Totally 48 specimens.

Occurrence : Common and sometimes found in small numbers.

Biological note : Specimens collected starting from late May to late September, mostly in July. They were taken on oak, some on cotton and beans and also from light traps.

Platymetopius safavii Dlabola, 1971

General distribution : Iran (Dlabola, 1971 a).

Distribution in Turkey : This is the first record of this species in Turkey.

Material examined : Gaziantep - Only one specimen.

Occurrence : Very occasionally.

Biological note : The specimen was collected in early June on weed.

Platymetopius shirazicus Dlabola, 1974

General distribution : Iran, Turkey (Nast, 1972).

Distribution in Turkey : Dlabola (1974 a) reported two female specimens from Van (Başkale).

The authors have no representative material of this species in their collection.

Platymetopius undatus (De Geer, 1773)

Synonymy : *Cicada flammigera* Villers, 1789; *Platymetopius undalatus* (Sic.) *chosensis* Mats., 1915; *Pl. undatus parvulus* Linn., 1962.

General distribution : Austria, Belgium, Bulgaria, Czechoslovakia, Denmark, England, Finland, France, Germany, Hungary, Israel, Italy (also Sicily), Korean Peninsula, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, Tunisia, Turkey, USSR, Yugoslavia.

Distribution in Turkey : Dlabola (1957) and Linnavuori (1965) reported this species from Ankara and İzmit respectively.

Material examined : Adana (Hasanbeyli) - Totally 4 specimens.

Occurrence : Occasionally.

Biological note : The specimens were collected starting from late June to mid-September in apple orchard. Ribaut (1952) has given *Quercus*, *Betula* and *Helianthum* as host plants of this species.

Platymetopius (Quernus) curvatus Dlabola, 1974.

General distribution : Yugoslavia (Dlabola, 1974 a)

Distribution in Turkey : This is the first record of this species in Turkey.

Material examined : Adana (Hasanbeyli), Ankara (Beynam) - Only two specimens.

Occurrence : Very occasionally.

Biological note : The specimens were collected in mid-July and August, in apple orchard and on *Quercus*.

Platymetopius (Quernus) quercinus Dlabola, 1974

General distribution : Iran.

Distribution in Turkey : This species constitutes a new record for Turkey.

Material examined : Adıyaman, Kırşehir (Yılandağı), Mardin (Midyat, Sultan Şehmuz) - Totally 4 specimens.

Occurrence : Occasionally.

Biological note : The specimens were collected in June and August, on *Quercus* and weeds.

Platymetopius (Quernus) signoreti Metcalf, 1967

Synonymy : *Pl. viridinervis* Sign. 1880 nec. Kbm. 1868 (Dlabola, 1974 a)

General distribution : USSR (Caucasus). Bulgaria, Czechoslovakia, Hungary, Turkey, Yugoslavia (Dlabola, l. c.).

Distribution in Turkey : Only Dlabola (l. c.) listed this species from Turkey, but without giving detailed data. The authors have no other literature reporting it from Turkey.

The authors also have no representative material of this species in their collection.

Proceps acicularis Mulsant et Rey, 1855

Synonymy : *Jassus (Platymetopius) albolimbatus* Kbm., 1868.

General distribution : Cyprus, France, Italy (also Sardinia and Sicily) Jordan, Romania, Syria, Turkey, USSR (Geogia), Yugoslavia, Greece, Iran (Dlabola, 1977, 1984).

Distribution in Turkey : Dlabola (1957) collected one specimen in Ankara (Baraj).

The authors have no representative material of this species in their collection.

Anoplotettix eckerleini Dlabola, 1965

General distribution : Lebanon.

Distribution in Turkey : This species constitutes a new record for Turkey.

Material examined : Antalya (Gündoğmuş) - Only two specimens.

Occurrence : Very occasionally.

Biological note : The specimens were collected on *Arbutus* sp. in the late June.

Anoplotettix fuscovenosus (Ferrari, 1882)

Synonymy : *Thamnotettix fuscovenosa bipunctata* Ferrari, 1882.

General distribution : Albania, Austria, Bulgaria, Czechoslovakia, France, Greece, Hungary, Italy (also Sardinia), Portugal, Romania, Spain, Tunisia, USSR (Ukraine), Yugoslavia.

Distribution in Turkey : This species constitutes a new record for Turkey.

Material examined : Ankara (Beynam, Çamlıdere), Bursa (Central province: Doğanköy), Çorum (Osmancık), Edirne, İzmir (Bayındır), Kırklareli, Manisa (Gölmarmara, Salihli), Sakarya (Adapazarı), Samsun (Ve-zirköprü), Sinop - Totally 19 specimens. It seems to be distributed in a fairly large areas in Turkey.

Occurrence : Occasionally.

Biological note : Specimens were collected starting from early May to late August. They were taken on olive trees, sunflower, weeds and also mostly from the light traps.

Anoplotettix kalkandeleni Dlabola, 1971

General distribution : Turkey (Dlabola, 1. c.).

Distribution in Turkey : Dlabola described this species from the specimens collected in Antalya (Alanya).

Unfortunately the authors have no representative specimen of this species in their collection.

Anoplotettix loewi (Horvath, 1884)

General distribution : USSR (Ukraine "Crimea"). Turkey (Oshanin 1912, Dlabola 1974 b).

Distribution in Turkey : So far we know this species being in Turkey according to the above references and yet, its finding locality in Turkey is not known exactly.

Anoplotettix rodosicus Dlabola, 1974

General distribution : Greece (Rodos).

Distribution in Turkey : This is the first record of this species in Turkey.

Material examined : Antalya (Doyran, Varsak), Muğla (Köyceğiz) - Totally 8 specimens.

Occurrence : Somewhat occasionally.

Biological note : Specimens were collected in early June and early July, on olive and pine trees.

Anoplotettix sahtiyancii Dlabola, 1970

General distribution : Turkey.

Distribution in Turkey : Dlabola (1970) described this species from the specimens collected in Sakarya (Adapazarı) and Bolu, also later on in 1971 one specimen he reported from İstanbul (Tarabya).

Material examined : Bursa (İnegöl), Kütahya (Simav), Sakarya (Adapazarı, Hendek), Zonguldak (Ulus) - Totally 16 specimens.

Occurrence : Somewhat occasionally.

Biological note : The specimens were collected starting from mid-June through mid-August by light traps.

Colladonus torneellus (Zetterstedt, 1828)

Synonymy : *Thamnotettix oxalidis* Fieber, 1885.

General distribution : Austria, Belgium, China (Manchuria), Denmark, England, Finland, France, Germany, Hungary, Italy, Korean Peninsula, Mongol'a, Norway, Poland, Romania, Sweden, Switzerland, Tunisia, USSR. Turkey (Kartal, 1983).

Distribution in Turkey : Kartal (1983) collected specimens of this species in Bolu (Abant) on *Daphne pontica*.

The authors have no representative material of this species.

Paramesodes lincaticollis (Distant, 1908)

Synonymy : *Coexitianus lucaniae* Dlabola, 1959

General distribution : Italy, Israel, USSR (Uzbekistan); (Oriental region). Iran and Turkey (Dlabola, 1981).

Distribution in Turkey : Dlabola (l. c.) reported it from İcel (Erdemli).

Material examined : Diyarbakır (Çermik) - Only one specimen.

Occurrence : Very occasionally.

Biological note : The specimen was collected in mid-July on weed.

Özet

Türkiye Auchenorrhyncha türlerinin yayılışı ve önemlerine ait ön listesi. XXI. Familya: Cicadellidae: Deltocephalinae: Athysanini (Kısım I).

Türkiye'de Athysanini faunası yaklaşık 80 türü kapsamaktadır. Bu nedenle dört bölüm halinde verilmeye çalışılacaktır. Birinci bölüm sadece *Platymetopius*, *Proceps*, *Anoplotettix*, *Colladonus* ve *Paramesodes* türlerini kapsamaktadır. Bu arada *Pl. safavii* Dlab., *Pl. (Quernus) curvatus* Dlab., *Pl. (Quernus) quercinus* Dlab., *A. eckerleini* Dlab., *A. fuscovenosus* (Ferr.) ve *A. rodosicus* Dlabola fauna'ya yeni olarak ilave olmuştur. Her bir türün yayılışı ve üzerinde bulunduğu bitkiler verilmeye çalışılmıştır.

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