

**GONIAGNATHUS GUTTULINERVIS (KIRSCHBAUM, 1868) NEW TO
TURKEY, WITH DATA ON DISTRIBUTION OF THE GENUS IN
ANTALYA (HOMOPTERA: AUCHENORRHYNCHA: CICADELLIDAE)**

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Abstract The species of the genus *Goniagnathus* Fieber, 1866, collected in the years 1999-2002 in Antalya, south-west Turkey, were examined. We determined that two species are distributed in this region. These are *Goniagnathus brevis* (Herrich-Schaeffer, 1835) and *Goniagnathus guttulinervis* (Kirschbaum, 1868). The record of the latter is new for the Cicadellidae fauna of Turkey.

KEY WORDS: Auchenorrhyncha, Cicadellidae, *Goniagnathus*, new record, Turkey

Izvešček VRSTA *GONIAGNATHUS GUTTULINERVIS* (KIRSCHBAUM, 1868) PRVIČ NAJDENA V TURČIJI, TER PODATKI O RAZŠIRJENOSTI RODU V ANTALJI (HOMOPTERA: AUCHENORRHYNCHA: CICADELLIDAE)

Preiskali smo vrste rodu *Goniagnathus* Fieber, 1866, zbrane v letih 1999 - 2002 v Antaliji, jugozahodna Turčija. Ugotovili smo, da sta v tem območju razširjeni dve vrsti. To sta *Goniagnathus brevis* (Herrich-Schaeffer, 1835) in *Goniagnathus guttulinervis* (Kirschbaum, 1868). Podatek za slednjo je novost v favni družine Cicadellidae Turčije.

KLJUČNE BESEDE: Auchenorrhyncha, Cicadellidae, *Goniagnathus*, nova najdba, Turčija

Introduction

It is known that 3 species of *Goniagnathus* are distributed in Turkey. These are *Goniagnathus bolivari* (Melichar, 1907), *G. brevis* (Herrich-Schaeffer, 1835) and *G. palliatus* (Leitherry, 1887). Of these three, *G. bolivari* is distributed in Ankara, Nevşehir and Urfa, *G. palliatus* only in Bingöl and *G. brevis*, having a larger distribution area, was found in Ankara, Burdur, Diyarbakır, Manisa, Mardin, Niğde and Samsun (Dlabola, 1957; Lodos & Kalkandelen, 1985).

Specimens collected during field work in Antalya in the years 1999-2002 were identified, and it has been determined that two species exist in the city. One of these is *Goniagnathus brevis* (Herrich-Schaeffer, 1835) that has a large distribution area in Turkey; the other is *Goniagnathus guttulinervis* (Kirschbaum, 1868), which is recorded in Turkey for the first time.

Materials and methods

Samples of adult *Goniagnathus* were collected during the day by sweeping plants with the wood shaft net. The samples were prepared according to the standard preparation methods. The taxonomic characters were examined and species identified with the literature.

Results

Goniagnathus brevis (Herrich-Schaeffer, 1835)

Faunistic element: Arboreal, Ponto-Mediterranean (Dlabola, 1981).

Material examined: Antalya Gündoğmuş Serinyaka, 700 m, 25.7.1999 1♀, Akseki Güçlüköy, 680 m, 17.4.2001 2♀, Akseki Geriş, 700 m, 17.4.2001 1♀, Manavgat Tilkiler, 470 m, 14.5.2001 1♀, Manavgat Yukarıuşıklar-Tilkiler, 460 m, 14.5.2001 1♀, Gündoğmuş Çiçekoluk, 960 m, 25.7.2001 2♀, Düzlerçamı, 280 m, 22.7.2001 1♀.

Phenology: Lodos and Kalkandelen (1985) reported that the adult specimens could be collected between April and October. Demir (1998) collected them in May and August. The examined specimens were collected in April, May and July.

Vertical distribution: Demir (1998) reported that he collected the specimens between 1150 – 1300 meters. The specimens examined were collected between 280 – 960 meters.

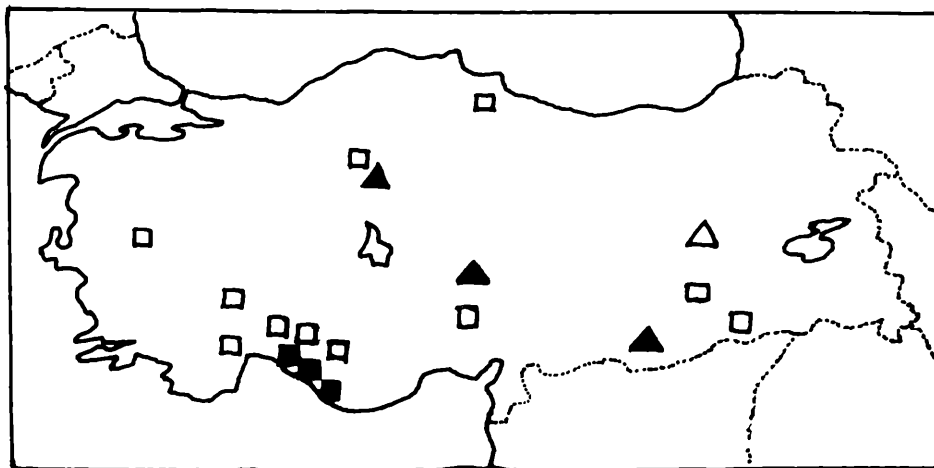


Fig. 1: Distribution of the *Goniagnathus* species in Turkey.

- *Goniagnathus guttulinervis*, □ *Goniagnathus brevis*
- ▲ *Goniagnathus bolivari*, △ *Goniagnathus palliatus*

***Goniagnathus guttulinervis* (Kirschbaum, 1868)**

Faunistic element: Arboreal, Ponto-Mediterranean, Eremian (Dlabola, 1981).

Material examined: Antalya Manavgat Demirciler, 10 m, 17.8.1999 1♀, Manavgat 10.8.1999 1♂, Manavgat Çayyazı 20.7.1999 4♂, 3♀, Manavgat Bucakşeyhler, 30 m, 23.7.1999 2♀, Manavgat Bucakşeyhler 24.7.1999 1♂, Manavgat 21.7.1999 1♂, Manavgat Örenşehir 15.10.2001 1♀, Alanya Kargıcak 22.8.2002 6♂, 2♀.

Phenology: collected in July, August and October.

Vertical distribution: collected at 0 – 30 meters.

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