

# New records for the Turkish Aphid fauna (Hemiptera: Aphididae)

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**Abstract.** Three species of Aphidina were recorded in Niğde province (Inner Anatolia) as new for Turkey: *Nearctaphis bakeri* Cowen, *Allocotaphis quaestionis* Börner, and *Tetraneura nigriabdominalis* Sasaki.

**Kurzfassung.** In der Provinz Niğde in Zentralanatolien wurden drei Arten von Blattläusen (Aphidina) nachgewiesen, die neu für die Türkei sind: *Nearctaphis bakeri* Cowen, *Allocotaphis quaestionis* Börner, und *Tetraneura nigriabdominalis* Sasaki.

**Key words.** Turkey, new records, Middle East.

## Introduction

More than 4400 species in 493 genera of aphids are known to exist in the world (BLACKMAN & EASTOP 2000), but only some 270 species have been recorded from Turkey (ÇANAKÇIOĞLU 1975). For comparison, 760 species have been recorded in Italy, 696 species in Poland, some 700 species in France, and 364 species in Greece (PATTI & BARBAGALLO 1998, TSITSIPIS et al. 1998). The small number of aphids recorded in Turkey apparently reflects the fact that only a few studies have been carried out so far. The first records are available from HOUARD (1922) and FAHRINGER (1922). The aphid fauna and its host plant relationships were studied by IYRIBOZ & ILERI (1941) and ALKAN (1953). BÖRNER & HEINZE (1957) recorded the occurrence of some European species in Turkey, and DÜZGÜNEŞ & TUATAY (1956), in the first systematic faunistic study, found 41 species in 21 genera. BODENHEIMER & SWIRSKI (1957) showed that 90 of the 207 species found in Middle East also live in Turkey. TUATAY & REMAUDIÈRE (1964) listed 218 species, 120 of them new to Turkey, and TUATAY (1993) gave an overview of the studies on aphids which had been carried out in Turkey between 1965 and 1972. Finally, ELMALI & TOROS (1994) studied the aphids in Konya province and described a new species for Turkey.

This paper reports on a study carried out in Niğde Province in Inner Anatolia between 1998 and 2000. 47 species were found, of which three are new for the Turkish fauna. Voucher specimens are kept at the Biology Department of Niğde University.

## *Nearctaphis bakeri* Cowen (Aphidinae: Macrosiphini)

Samples were collected on both clover and apple, and fed on all parts of the plant, mainly the