

## Contributions to the Dolichopodidae (Diptera) Fauna of Turkey

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### ABSTRACT

Faunistic data are given for 5 species of Dolichopodidae, new to the fauna of Turkey and collected in the Marmara and Eagen regions. The following species are recorded for first time in Turkey *Chrysotimus molliculus* (Fallén, 1823), *Hercostomus libanicola* Parent, 1933, *Neurigona erichsoni* (Zedderstedt, 1843), *Teuchophorus cristulatus* Meuffels & Grootaert, 1992, *Teuchophorus bisetus* Loew, 1871. As a result, 104 Dolichopodidae species are known for Turkey at the present. The locations of 5 new collection sites from Turkey are mapped.

*Key words:* Diptera, Dolichopodidae, Turkey, new records.

### INTRODUCTION

Comprehensive investigations of Dolichopodidae fauna of Turkey have not been made until recently (Negrobov 1991, Olejníček 2004, Pârvu and Popescu-Mirceni 2006, Grichanov *et al.* 2007a, Grichanov 2007b). The most recent papers (Tonguç *et al.* 2009, Naglis 2009) have increased Turkish fauna of the family to 99 species that are known from Turkey. The last paper has included 12 new species records for the country (Naglis 2009). Two of them [*Sympycnus pulicarius* (Fallén, 1823) and *Sympycnus annulipes* (Meigen, 1824)] were synonymized by Meuffels (1981), who found a gradual transition from the longer third antennal segment of *S. annulipes* to the shorter third antennal segment of *S. pulicarius*, examining specimens of populations of different localities, mainly in the Netherlands. Later Cole (1990) commenting paper by Beuk (1990) has noted that in the British fauna mainly intermediate forms are present, but showing also a taxonomically insignificant variability in the hind tarsus morphology and even in the male genitalia. Later nobody provided key characters to distinguish different forms. In addition, nothing is known about ecological difference between those phenotypes; therefore, we consider the two names belonging to the same species, *S. pulicarius*. Grichanov *et al.* (2007a) recorded this widely distributed and often mass species from Turkey for the first time.