



## The Braconinae (Hymenoptera: Braconidae) of Turkey, with new locality records and descriptions of two new species of *Bracon* Fabricius, 1804

AHMET BEYARSLAN & ÖZLEM ÇETİN ERDOĞAN<sup>1</sup>

Trakya University, Faculty of Science, Department of Biology, Edirne, TURKEY

<sup>1</sup>Corresponding author. E-mail: cetinozlem@hotmail.com

### Abstract

Two new species, namely *Bracon* (*Bracon*) *bachtiae* Beyarslan sp. n. and *Bracon* (*Glabrobracon*) *dersimensis* Beyarslan sp. n. (Braconinae) collected from Kastamonu and Tunceli provinces of Turkey, are described and compared with related species. Records of 60 Braconinae species collected in different parts of Turkey, especially from the Central and Eastern Anatolia regions between the years 1980 and 2009, are listed. Thirty-two species are reported as new to Turkey, and new distributional data is added for almost all species.

**Key words:** Braconinae, *Bracon*, Anatolia, Turkey, new records

### Introduction

Braconidae is a large family of Hymenoptera represented in all parts of the world, consisting of 1032 genera and about 17.963 known species. Thirty seven of the 47 subfamilies of the Braconidae are recorded from the west Palaearctic region. Representatives of the subfamily Braconinae comprising more than 2900 described species, are mostly tropical and subtropical (Yu *et al.* 2006).

The vast majority of species are ectoparasitoids principally of coleopterous and lepidopterous hosts, although a few attack Diptera, Hymenoptera-Symphyla and possibly Homoptera, and one group, Aspidobraconina, are endoparasitic on pupae (Wang *et al.*, 2010).

Our knowledge of Braconinae of Turkey has gradually increased in recent years. To date, 150 species from Braconinae have been recorded (Beyarslan, 2002a, 2002b, 2008a, 2008b, 2009, 2010, 2011, Beyarslan & Çetin Erdoğan 2010, 2011, Beyarslan *et al.*, 2005, 2006a, 2006b, 2009, 2010, Beyarslan & Tobias, 2008, Bolu *et al.*, 2009). This is part of our on-going study of the subfamily Braconinae. The aim of the present study is to contribute to the knowledge of the Turkish Braconinae fauna with two new species by evaluating material collected especially from the Central and Eastern Anatolia regions.

Description of two new species *Bracon* (*Bracon*) *bachtiae* Beyarslan sp. n. and *Bracon* (*Glabrobracon*) *dersimensis* Beyarslan sp. n. from Turkey is provided.

### Material and methods

Adult specimens of Braconinae were collected from various habitats of Turkey especially between 1980 and 2009 especially from Central and Eastern Anatolia regions, to determine the Braconidae fauna of Turkey. Relevant literature (Tobias, 1986, 2000, Beyarslan & Fischer, 1990, Papp, 1969) were used for taxonomical examination and identification of the specimens.

All specimens are deposited in the collection of the Biology Department of Faculty of Science, University of Trakya.

The definitions, ratios and abbreviations follow those of van Achterberg (1993). The following abbreviations are used in the text: OOL= ocular-ocellar line, POL= postocellar line, OD= maximal diameter of lateral ocelli.