



A new species and additional records of the genus *Collyria* Schiødte, 1839 (Hymenoptera, Ichneumonidae) from Turkey

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Abstract

A new species, *Collyria pronotalis* Yurtcan and Kolarov **sp. n.** (Hymenoptera, Ichneumonidae, Collyriinae), from Turkey is described and illustrated. A key for identification of the species of *Collyria* Schiødte, 1839 is provided. Moreover, additional records are reported for *Collyria coxator* (Villers, 1789) from Turkey.

Key words: Parasitoid wasps, Collyriinae, taxonomy, *Collyria pronotalis* **sp. n.**

Introduction

Collyriinae is a relatively small family of Ichneumonidae (Hymenoptera) and is represented by two genera: *Aubertiella* Kuslitzky & Kasparyan, 2011 and *Collyria* Schiødte, 1839. Collyriinae includes 10 described species from the Holarctic region, nine of which belong to *Collyria* and one to *Aubertiella* (Gürbüz & Kolarov 2006; Wahl *et al.* 2007; Kuslitzky & Kasparyan 2011, Yu *et al.* 2012). Seven species occur in the western Palaearctic region. Collyriinae differs from other Ichneumonidae subfamilies by having the clypeus separated from the face by a groove, its apex subtruncate and with a weak median tooth; mandible with two teeth; areolet and sternaulus absent; postpectal carina incomplete; propodeum rather long and with median, lateral and pleural carinae; abdomen subcylindrical, subclavate, its apical half weakly compressed; first abdominal tergum gradually enlarged from base to apex, not arched, without a glymma, its spiracle a little in front of the middle; ovipositor down-curved, tapered to a slender apex, with the apical half of the ventral margin having a row of small weak teeth and the absence of the dorsal subapical notch.

Collyriinae are parasitoids of various hymenopteran and lepidopteran pest species feeding on Apiaceae, Brassicaceae, Euphorbiaceae, Poaceae and Resedaceae (Yu *et al.* 2012). The most widely distributed species, *Collyria coxator* Villers has been identified as a potential biological control agent against the European wheat stem sawfly, *Cephus pygmaeus* (Hymenoptera, Cephidae) and was imported and released in western North America in large numbers (Salt 1931). Some species of *Collyria* are actively used in biological control of wheat stem sawflies, *Cephus pygmaeus* Linnaeus, *Cephus cinctus* Norton, *Ephestia elutella* Hübner, *Hartigia fumipennis* Eversmann, *Janus integer* (Norton) and *Trachelus tabidus* (Fabricius) (Clausen 1954; Filipy *et al.* 1985; Wahl *et al.* 2007; Korkmaz *et al.* 2010; Yu *et al.* 2012).

In this paper, we describe a new species of *Collyria* from Turkey and give additional records for the common species *Collyria coxator*.

Material and methods

Adult specimens of *Collyria* were collected from different habitats and altitudes in different regions of Turkey between the years 1993 and 2014. Sampling was performed with sweep nets and Malaise traps. Specimens were