



Descriptions of two new species of *Gonatocerus* (Hymenoptera: Mymaridae) from southeastern Europe

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Abstract

Two new taxa, *Gonatocerus (Lymaenon) bulgaricus* Donev & Triapitsyn (Bulgaria, and also apparently mainland Greece) and *G. (Lymaenon) mediterraneus* Donev & Triapitsyn (Greece—Crete Island) are described, diagnosed, and illustrated. Also, a species tentatively identified as *G. (Lymaenon) ?beshbarmak* Triapitsyn is reported from mainland Greece. If the species is indeed *G. beshbarmak* then this is the first record of it from Greece.

Key words: taxonomy, Chalcidoidea, fairyfly, egg parasitoid, Bulgaria, Greece

Introduction

Donev (2005) reviewed the described species of *Gonatocerus* Nees ab Esenbeck (Hymenoptera: Mymaridae) in the Balkan Peninsula. The recent review of the Palaearctic species by Triapitsyn (2013) has made it possible to identify two taxa from Bulgaria and the island of Crete (Greece) described here as new, and also *G. (Lymaenon) ?beshbarmak* Triapitsyn, which is recorded for the first time from Greece. Although the material reviewed here had been available to us for a long time and marked as possibly belonging to undescribed taxa, we chose to wait for the monograph on the Palaearctic species of *Gonatocerus* (Triapitsyn 2013) to appear to be able to delimit the species correctly and to provide their proper diagnoses. All the included taxa belong to the subgenus *G. (Lymaenon* Walker), which is more speciose in southern and eastern parts of the Palaearctic region than in its northern parts. Species of this subgenus are particularly difficult to identify, and many problems still remain unresolved (Triapitsyn 2013).

Subgeneric subdivisions within the genus and terminology are according to Triapitsyn *et al.* (2010). Most specimens were collected in Bulgaria and Greece by the second author by sweeping with a net. Holotypes and most paratypes of the new species are deposited in the insect collection of the Department of Zoology, University of Plovdiv “Paisii Hilendarski”, Plovdiv, Bulgaria (PUPB); some other paratypes are also deposited in the Canadian National Collection of Insects, Ottawa, Ontario, Canada (CNC) and the Entomology Research Museum, University of California, Riverside, California, USA (UCRC).

Taxonomy

Gonatocerus (Lymaenon) bulgaricus Donev & Triapitsyn, sp. n.

(Figs 1–7)

Type material. Holotype: female (Fig. 1) on slide [PUPB] labeled: 1. “21.5.1988, Rož. manastir, leg. A. Donev”;