

New records of solitary vespid wasps (Hymenoptera: Vespidae: Masarinae and Eumeninae s. l.) from the Nakhchivan Autonomous Republic of Azerbaijan

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Abstract

An account on 35 species in the family Vespidae (subfamilies Masarinae, Eumeninae s. str., and Raphiglossinae) is presented. Genera *Jugurtia* de Saussure, 1854, *Quartinia* André, 1884, *Brachypipona* Gusenleitner, 1967, and *Cyrtolabulus* van der Vecht, 1969, as well as 17 species and one subspecies are new to Azerbaijan. Three additional species are new to the Nakhchivan Autonomous Republic; the records of nine species confirm previous doubtful reports from the territory of the autonomy. One species is excluded from the fauna of Azerbaijan. New synonymies are proposed: *Antepipona orbitalis* (Herrich-Schäffer, 1839) = *A. orbitalis ballioni* (Morawitz, 1867), **syn. nov.**; *A. varentzowi* (Morawitz, 1895) = *A. laevigata* (Blüthgen, 1951), **syn. nov.**; *Euodynerus disconotatus* (Lichtenstein, 1884) = *E. disconotatus sulfuripes* (Morawitz, 1885), **syn. nov.** = *E. disconotatus laniensis* Giordani Soika, 1979, **syn. nov.**; *E. semisaecularis* (von Dalla Torre, 1889) = *E. semisaecularis macedonicus* (Blüthgen, 1951), **syn. nov.**; *Gymnomerus laevipes* (Shuckard, 1837) = *G. laevipes scandinavus* (de Saussure, 1856), **syn. nov.**; *Odynerus albopictus* de Saussure, 1856 = *O. albopictus calcaratus* (Morawitz, 1885), **syn. nov.** = *O. albopictus kazakhstanicus* Kurzenko, 1977, **syn. nov.** Hitherto unknown males of *Brachyodynerus kusdasi* Gusenleitner, 1967 and *Brachypipona orientalis* Gusenleitner, 2004 are described. The number of species of solitary Vespidae known from the Nakhchivan Autonomous Republic of Azerbaijan is increased to 91, with one additional subspecies which requires a revision. A preliminary list of these wasps of the whole Azerbaijan is presented; it contains 107 identified species and one additional subspecies.

Key words: pollen wasps, eumenine wasps, fauna, taxonomy, new synonymy, subspecies rank, Caucasus, Palaearctic region

Introduction

The family Vespidae is a rather large and globally distributed group of wasps. It comprises about 5,400 described species in more than 250 genera; the latest published calculation was 5,393 species in 255 genera (Rahmani *et al.* 2020). Vespidae wasps are traditionally subdivided into six subfamilies: Euparagiinae, Masarinae, Eumeninae, Stenogastrinae, Polistinae, and Vespinae (Carpenter 1982). The results of recent molecular phylogenetic reconstructions justify the recognition of three more subfamilies: Gayellinae, Raphiglossinae, and Zethinae (Bank *et al.* 2017; Piekarski *et al.* 2018). Nearly 80% of all species in the family are solitary wasps (most subfamilies except Stenogastrinae, Polistinae, and Vespinae). In the Palaearctic region, solitary Vespidae are represented by Masarinae,