



## Spider wasps (Hymenoptera, Pompilidae) of the Republic of Khakassia, Eastern Siberia, Russia

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### Abstract

The spider wasp fauna of the Republic of Khakassia (Eastern Siberia, Russia) is revised. The number of species recorded from Khakassia has increased from 15 to 60, genera—from 4 to 17, subfamilies—from 2 to 3. An annotated list of the species with citation, examined material, and general distribution is given. The species, *Anoplius piliventris* (F. Morawitz), is newly recorded from Russia. Four genera, *Agenioideus* Ashmead, *Anospilus* Haupt, *Aporinellus* Banks, *Tachyagetes* Haupt, and 11 species are newly recorded from Eastern Siberia. One subfamily, 13 genera, and 45 species are recorded from Khakassia for the first time.

**Key words:** fauna, taxonomy, new records, Siberia, Russia, Palaearctic

### Introduction

The Republic of Khakassia (further in the text Khakassia) is located in the southwestern part of Eastern Siberia at the left side of Yenisei River (Figs 1, 2). Khakassia borders Krasnoyarsk Terr. in the north and east, the Republic of Tyva in the southeast and south, the Republic of Altai in the south and southwest, and Kemerovo Prov. in the west and northwest. Khakassia stretches for 460 km from north to south and for 200 km from east to west. The total area is 61900 km<sup>2</sup>. Two-thirds of the territory is covered with mountains and forests, but the remaining area is presented by steppes.

The family Pompilidae was not specifically studied in Khakassia. Only 15 species belonging to four genera and two subfamilies have been recorded: two species from the genus *Arachnospila* (s.str.) (Lelej & Loktionov 2011), nine from *Arachnospila* (*Ammosphex*) (Loktionov & Lelej 2015), two from *Priocnemis* (s.str.) (Loktionov *et al.* 2017), one from *Anoplius* (s.str.) (Loktionov & Lelej 2017), and one from *Nanoclavelia* Priesner (Loktionov 2022).

The study of the new material collected in 2012–2014 in Khakassia by the author and some colleagues revealed a great diversity of spider wasps. In total, 60 species from 17 genera and three subfamilies are currently known from Khakassia. The species, *Anoplius piliventris* (F. Morawitz), is newly recorded from Russia. Four genera (*Agenioideus* Ashmead, 1902, *Anospilus* Haupt, 1929, *Aporinellus* Banks, 1912, and *Tachyagetes* Haupt, 1930) and 11 species are newly recorded from Eastern Siberia. One subfamily (Ceropalinae), 13 genera (*Agenioideus* Ashmead, 1902, *Anospilus* Haupt, 1929, *Aporinellus* Banks, 1912, *Auplopus* Spinola, 1841, *Caliadurgus* Pate, 1946, *Ceropales* Latreille, 1797, *Cryptocheilus* Panzer, 1806, *Deuteragenia* Šuster, 1912, *Episyron* Schiødte, 1837, *Evagetes* Lepelletier de Saint-Fargeau, 1845, *Parabatozonus* Yasumatsu, 1936, *Paraferreola* Šuster, 1912, *Tachyagetes* Haupt, 1930), and 45 species are recorded from Khakassia for the first time. An annotated list of the species with citation, examined material, and general distribution is provided.