

An overview of the genus *Germaria* ROBINEAU-DESVOIDY (Diptera: Tachinidae) in Central Asia, with the description of two new species

[Eine Übersicht über die Gattung *Germaria* ROBINEAU-DESVOIDY
(Diptera: Tachinidae) in Zentralasien,
mit der Beschreibung von zwei neuen Arten]

by

Joachim ZIEGLER

Berlin (Germany)

Abstract

Two species of tachinid flies are described as new to science: *Germaria caelestis* spec. nov. (Tian Shan Mountain Range, Kyrgyzstan) and *G. expectata* spec. nov. (Alai Mountain Range, Kyrgyzstan, and Kunlun Mountain Range, China). A key to the six Central Asian species of *Germaria* is provided and data on their distribution and hosts are given. *Germaria angustata* (ZETTERSTEDT, 1844) is a new record for Kyrgyzstan, and *Germaria nudinerva* MESNIL 1963 is new for Iran. *Bembecia priesneri* KALLIES, PETERSEN & RIEFENSTAHL, 1998, and *Dipchasphecia naumanni* GORBUNOV, 1991 (both Lepidoptera: Sesiidae) are newly recorded hosts of *Germaria nudinerva*.

Key words

Tachinidae, *Atractochaeta*, *Germaria*, *Germarina*, Palearctic Region, Central Asia, China, Kyrgyzstan, Iran, taxonomy, new species, key

Zusammenfassung

Zwei Raupenfliegen-Arten werden als neu für die Wissenschaft beschrieben: *Germaria caelestis* spec. nov. (Tienschan, Kirgisistan) und *G. expectata* spec. nov. (Alai-Gebirge, Kirgisistan und Kunlun-Gebirge, China). Ein Bestimmungsschlüssel für die sechs zentralasiatischen *Germaria*-Arten mit Angaben zu ihrer Verbreitung und zum Wirkungskreis wird vorgelegt. *Germaria angustata* (ZETTERSTEDT, 1844) wurde erstmals in Kirgisistan festgestellt und *Germaria nudinerva* MESNIL 1963 erstmals im Iran gefunden. *Bembecia priesneri* KALLIES, PETERSEN & RIEFENSTAHL, 1998 und *Dipchasphecia naumanni* GORBUNOV, 1991 (beide Lepidoptera: Sesiidae) werden als neue Wirte von *Germaria nudinerva* nachgewiesen.

Stichwörter

Tachinidae, *Atractochaeta*, *Germaria*, *Germarina*, paläarktische Region, Zentralasien, China, Kirgisistan, Iran, Taxonomie, neue Arten, Bestimmungsschlüssel

Introduction

This paper is a further step towards a revision of the Holarctic genus *Germaria* ROBINEAU-DESVOIDY, 1830 (see ZIEGLER 2010). It contains the descriptions of two species new to science from the high mountains of Central Asia and also data on the distribution and hosts of four further species from Central Asia. A key to all six species dealt with here completes the paper.

Material and methods

The region of Central Asia is understood here in a broad sense and follows the definition elaborated by UNESCO (MIROSHNIKOV 1992). This definition includes five republics of the former Soviet Union: Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan. This area (without Kazakhstan) was formerly also known as Soviet