

Five more species of Darwin wasps (Hymenoptera: Ichneumonidae) for the checklist of Germany

Fünf weitere Schlupfwespenarten (Hymenoptera: Ichneumonidae) für die Checkliste Deutschlands

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Zusammenfassung

Fünf Schlupfwespenarten wurden auf der 2021 von Riedel et al. veröffentlichten Checkliste der Ichneumoniden Deutschlands für fehlend befunden: *Anoncus zonifer* (Heinrich 1951), *Phobetres szepligetii* (Kiss 1924), *Cylloceria caligata* (Gravenhorst 1829), *Mesoleptus pronus* (Förster 1876) und *Gelanes gubarevae* Khalaim 2002.

Keywords:

faunistics, parasitoid wasps

Abstract

Five species of Ichneumonidae were found to be missing from the German checklist published by Riedel et al. in 2021: *Anoncus zonifer* (Heinrich 1951), *Phobetres szepligetii* (Kiss 1924), *Cylloceria caligata* (Gravenhorst 1829), *Mesoleptus pronus* (Förster 1876) and *Gelanes gubarevae* Khalaim 2002.

1. Introduction

In 2021, Riedel et al. published a checklist of the Darwin wasps of Germany, listing 3.644 species, which was a great improvement to the checklist published by Horstmann in 2001. However, the authors expected the list to be still far from complete, mainly because of unsolved taxonomic problems.

While studying the ichneumonid fauna of Schleswig-Holstein in 2019-2022 (project title ‚Die Ichneumoniden Schleswig-Holsteins und Hamburgs‘), literature was searched for faunistic records, bringing to light that some species which had already been reliably recorded and published in the past are missing from the German checklist.

2. Materials and Methods

Approximately 2.500 papers on ichneumonids were searched automatically or manually for faunistic records from Schleswig-Holstein.

3. Results

Five species were found to be missing from the German checklist of Ichneumonidae:

***Anoncus zonifer* (Heinrich, 1951)**

Published by Heinrich (1953), overlooked. The record is also missing from Taxapad (Yu et al. 2016), which only gives Austria as distribution.

***Phobetres szepligetii* (Kiss, 1924)**

Published by Horstmann (2007), overlooked. The record is also missing from Taxapad (Yu et al. 2016), which only gives Romania as distribution.

***Cylloceria caligata* (Gravenhorst, 1829)**

Published by van Rossem (1981) and many others; present in several collections, including the private collection of the author. A widespread and well-recorded species which was mentioned as a synonym of *C. melancholica* (Gravenhorst, 1820) by Yu & Horstmann (1997) and therefore excluded from the 2021 checklist but was re-established as a valid species by Humala (2002).

***Mesoleptus pronus* (Förster, 1876)**

Published by Jussila et al. (2010), overlooked. A widespread species, reported from 12 European countries (Yu et al. 2016).

***Gelanes gubarevae* Khalaim 2002**

Published by Khalaim (2016), overlooked. Otherwise reported from Austria, Bulgaria, Greece, Korea, Ukraine (Yu et al. 2016) and Estonia (Khalaim 2016).

4. Discussion

Looking at the enormous number of ichneumonid species present in a single country, it is not surprising that a national checklist has to be updated regularly, not only due to taxonomic changes but also due to overlooked and new records, in particular of rarely collected and/or identified species. Another set of changes is about to be published in the near future (Riedel, pers. comm.).

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