

# Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 6

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The present survey gives distributional records for 49 species of the family Ichneumonidae (Hymenoptera) previously not recorded from Norway. Eight of these have hitherto not been reported from Scandinavia, namely *Adelognathus acantholydae* Kasparyan, 1986, *Campoplex ocellanae* Horstmann, 1993, *Campoplex tibialis* (Szepligeti, 1916), *Casinaria albipalpis* (Gravenhorst, 1829), *Diadegma neocerophagum* Horstmann, 1969, *Orthizema francescae* Schwarz & Shaw, 2011, *Astiphromma uliginosum* Schwenke, 1999 and *Chorinaeus scrobipalpa* Aeschlimann, 1983.

Key words: Hymenoptera, Ichneumonidae, Adelognathinae, Campopleginae, Cryptinae, Ctenopelmatinae, Ichneumoninae, Mesochorinae, Metopiinae, Stilbopinae, Tersilochinae, Norway, Scandinavia, new records.

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## Introduction

The family Ichneumonidae represents certainly the most species-rich group of parasitic Hymenoptera in the Palearctic, and has been found to be very diverse also in North Europe. Even though the family is better known in the Western Palearctic region than in other ones, our knowledge of the taxonomy, biology, and distribution of the ichneumonid fauna in Norway is incomplete.

In the last sixteen years, almost 600 species of Ichneumonidae have been reported as «new» for the fauna of Norway (e.g. Hansen *et al.* 2010, Humala & Reshchikov 2012, Riedel & Berg 1997, Riedel *et al.* 2000, 2005, Riedel & Hansen 2007, 2012). In this paper, 49 species are added to the Norwegian list, and eight of these have not been previously found in Scandinavia before.

## Material & methods

The material revised in this study was collected in all parts of Norway, mainly by sweep netting and in Malaise-traps. To avoid misinterpretations, we excluded the species which have not been identified with accuracy, mainly due to the lack of modern revisions. All determinations have been done by the first author (MR). The subfamilies, tribes, genera, and species are listed in alphabetic order using the Catalogue of World Ichneumonoidea (Yu *et al.* 2012). From this catalogue, the distribution of each species has been extracted. The Scandinavian countries are mentioned in particular.

The faunistic divisions within Norway follow Økland (1981), and are given in **bold**. The «European Invertebrate System» (EIS) follows