

# Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 5

MATTHIAS RIEDEL & LARS OVE HANSEN

Riedel, M. & Hansen, L.O. 2012. Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 5. *Norwegian Journal of Entomology* 59, 219–228.

The family Ichneumonidae represents a very species-rich family of parasitoid Hymenoptera. In Norway, 1583 different Ichneumonid species have been reported so far. The present survey gives distributional records for 98 additional species of the family Ichneumonidae (Hymenoptera) previously not known from Norway. 21 of them have hitherto not been reported from Scandinavia, including the first Palaearctic record of *Syrphophilus tricinctus* (Ashmead, 1902).

Key words: Hymenoptera, Ichneumonidae, Norway, Scandinavia, new records, corrections, Adelo-gnathinae, Banchinae, Campopleginae, Cryptinae, Ctenopelmatinae, Diplazontinae, Ichneumoninae, Oedicephalini, Mesochorinae, Metopiinae, Orthocentrinae, Tryphoninae.

Matthias Riedel, Amselweg 9A, D-29683 Fallingb., Germany.  
E-mail: mamaflo.riedel@t-online.de

Lars Ove Hansen, Natural History Museum, University of Oslo, P.O. Box 1172 Blindern, NO-0318 Oslo, Norway. E-mail: l.o.hansen@nhm.uio.no

## Introduction

The family Ichneumonidae is a very large group of parasitoid Hymenoptera representing almost 9000 described and many undescribed species in the Palaearctic region. However, the taxonomy, biology, and distribution of many species are still poorly studied.

In the last 15 years, more than 450 species of Ichneumonidae have been reported as new to the fauna of Norway (Riedel & Berg 1997, Riedel *et al.* 2000, 2005, Riedel & Hansen 2007, Hansen *et al.* 2010a, b, Hansen 2012, Humala & Reshchikov, 2012). Up to now, 1583 different species are known in Norway (Yu *et al.* 2012). Comparing this number with other Scandinavian countries (e.g. 2697 species known from Sweden – Yu *et al.* 2012), we estimate that there is still a large portion of unrecorded species occurring in Norway.

In this paper, we give distributional records for 98 new species for this country and some

corrections to our previous publications. 21 of these species have not previously been recorded from Scandinavia.

## Material

The species recorded in this paper were collected in all parts of the country, but mainly in the Southern parts of Norway with hand nets and Malaise-traps. To avoid misinterpretations, we excluded species which have not been identified with certain accuracy.

The subfamilies, tribes, genera, and species are listed in alphabetic order using the recent Catalogue of World Ichneumonidae (Yu *et al.* 2012). From this catalogue we also took the distributional records, but here only the other Scandinavian countries are mentioned. The faunistic divisions of Norway are defined in accordance with Økland (1981).