

NEW PTEROMALIDAE (HYMENOPTERA: CHALCIDOIDEA) TO THE REPUBLIC OF MOLDOVA

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Abstract. *The genera Nasonia ASHMEAD, 1904 and Lamprotatus WESTWOOD, 1833, and the species Lamprotatus crassipes THOMSON (Miscogasterinae), Nasonia vitripennis WALKER, Trichomalus inscitus WALKER, Mesopolobus subfumatus RATZEBURG, M. jucundus WALKER, M. mesostenus GRAHAM, M. aspilus WALKER, Pteromalus cionobius ERDOS, P. cardui ERDOS (Pteromalinae) are recorded for the first time in the Republic of Moldova.*

Keywords: *Hymenoptera, Pteromalidae, new genera and species to the Republic of Moldova.*

Rezumat. Pteromalidae (Hymenoptera: Chalcidoidea) noi pentru Republica Moldova. *Genurile Nasonia ASHMEAD, 1904 și Lamprotatus WESTWOOD, 1833, precum și speciile Lamprotatus crassipes THOMSON (Miscogasterinae), Nasonia vitripennis WALKER, Trichomalus inscitus WALKER, Mesopolobus subfumatus RATZEBURG, M. jucundus WALKER, M. mesostenus GRAHAM, M. aspilus WALKER, Pteromalus cionobius ERDOS, P. cardui ERDOS (Pteromalinae) sunt citate pentru prima dată în fauna Republicii Moldova.*

Cuvinte cheie: *Hymenoptera, Pteromalidae, genuri și specii noi pentru Republica Moldova.*

INTRODUCTION

The pteromalids are small parasitic wasps feeding, as larvae, on the immature stages of other species of insects, many of them phytophagous. Thus, they play an important role in most of the ecosystems, mainly as secondary or tertiary consumers.

In this note nine species of pteromalids (*Hymenoptera: Pteromalidae*) are listed, new to the Republic of Moldova. The examined material, as well as general remarks regarding the geographical distribution and the hosts of the species, are presented.

MATERIAL AND METHODS

All the individuals were collected using an entomological net, between 2001 and 2008, mostly by the author. The material was collected from several Nature Reserves (Codrii, Plaiul Fagului, Pădurea Domnească, Prutul de Jos), as well as from some other locations.

RESULTS

Family Pteromalidae

Subfamily Miscogasterinae

Lamprotatus crassipes THOMSON

Identified material: Codrii Nature Reserve: 1♀ August 14, 2003; 1♂ October 13, 2008 (Gh. Manic).

Geographical distribution: Czech Republic, Great Britain, Slovakia, Sweden.

Biology: hosts unknown.

Subfamily Pteromalinae

Nasonia vitripennis WALKER

Identified material: Codrii Nature Reserve: 3♀♀ August 7, 2008 (Gh. Manic).

Geographical distribution: *N. vitripennis* is found worldwide.

Biology: Calliphoridae and Muscidae (Diptera).

Trichomalus inscitus WALKER

Identified material: Cneazevca: 1♀ July 11, 2008 (Gh. Manic).

Geographical distribution: West Europe.

Biology: reared from *Rhynchaenus alni* (L.), *R. fagi* (L.), *R. quercus* (L.) and *R. testaceus* (MULL.).

Mesopolobus subfumatus RATZEBURG

Identified material: Hâncești: 2♀♀ August 14, 2005 (Gh. Manic).

Geographical distribution: Russia (Moscow, Kostroma region), Western Europe.

Biology: reared from *Diprion* (Diprionidae).

Mesopolobus jucundus WALKER

Identified material: Pânăsești: 1♀ July 16, 2003, Prutul de jos Nature Reserve: 1♀ July 11, 2007, Codrii Nature Reserve: 2♀♀ September 10, 2008 (Gh. Manic).

Geographical distribution: Crimea, Western Europe.

Biology: gall wasps (*Hymenoptera*, *Cynipidae*).

Mesopolobus mesostenus GRAHAM

Identified material: Prutul de jos Nature Reserve: 1♀ July 11, 2007, Codrii Nature Reserve: 1♀ August 7, 2008 (Gh. Manic).

Geographical distribution: Great Britain.

Biology: unknown.

Mesopolobus aspilus WALKER

Identified material: Codrii Nature Reserve: 2♀♀ July 14, 2003, Prutul de jos Nature Reserve: 1♀ July 11, 2007, Traian: 1♀ July 12, 2008 (Gh. Manic).

Geographical distribution: Sweden, Great Britain.

Biology: reared from *Euura amerinae* L. (*Tenthredinidae*), *Oligotrophus juniperinus* L., *Taxomyia taxi* INCHB. (*Cecidomyiidae*).

Pteromalus cionobius ERDOS

Identified material: Vulcănești: 1♀ July 12, 2008 (Gh. Manic).

Geographical distribution: Hungary.

Biology: reared from *Cionus thapsi* F. (*Curculionidae*).

Pteromalus cardui ERDOS

Identified material: Codrii Nature Reserve: 1♀ July 12, 2004, 3♀♀ August 7, 2008; Prutul de jos Nature Reserve: 1♀ July 11, 2007, Giurgiulești: 1♀ July 2, 2007, Traian: 2♀♀ July 12, 2008, Hâncești: 1♀ July 11, 2007, Leova: 2♀♀ July 11, 2007 (Gh. Manic).

Geographical distribution: Kazakhstan, Czech Republic, Great Britain, Hungary, Slovakia.

Biology: the pteromalid obtained from flower heads *Carduus acanthoides* (L.).

CONCLUSIONS

Two genera (*Nasonia* and *Lamprotatus*) and nine species are recorded for the first time in the Republic of Moldova: *Lamprotatus crassipes* THOMSON (*Miscogasterinae*), *Nasonia vitripennis* WALKER, *Trichomalus inscitus* WALKER, *Mesopolobus subfumatus* RATZEBURG, *M. jucundus* WALKER, *M. mesostenus* GRAHAM, *M. aspilus* WALKER, *Pteromalus cionobius* ERDOS, *P. cardui* ERDOS (*Pteromalinae*).

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