

NOTA / NOTE

New records of picture-winged flies (Diptera, Ulidiidae) for Portugal.

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Abstract: Three new species of the family Ulidiidae have been found in mainland Portugal; of them, *Cephalia rufipes* Meigen, 1826 and *Herina gyrans* (Loew, 1864) are recorded for the first time for Portugal and *Seioptera vibrans* (Linnaeus, 1758) for mainland Portugal. The second record of *Myennis octopunctata* (Coquebert, 1798) for Portugal and first for Santarém district is documented.

Key words: Diptera, Ulidiidae, *Cephalia rufipes*, *Herina gyrans*, *Myennis octopunctata*, *Seioptera vibrans*, Portugal.

Resumo: Novos registos de moscas com bandas nas asas (Diptera, Ulidiidae) para Portugal. Foram encontradas três novas espécies da família Ulidiidae em Portugal; das quais, *Cephalia rufipes* Meigen, 1826 e *Herina gyrans* (Loew, 1864) são registadas pela primeira vez para Portugal e *Seioptera vibrans* (Linnaeus, 1758) para Portugal Continental. Apresenta-se o segundo registo de *Myennis octopunctata* (Coquebert, 1798) para Portugal e o primeiro para o distrito de Santarém.

Palavras-chave: Diptera, Ulidiidae, *Cephalia rufipes*, *Herina gyrans*, *Myennis octopunctata*, *Seioptera vibrans*, Portugal.

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Introduction

Nine species of Ulidiidae were known from Portugal until 2008: *Ceroxys hortulana* (Rossi, 1790), *Dorycera graminum* (Fabricius, 1794), *Euxesta pechumani* Curran, 1938 (known only from Azores Archipelago) [Kameneva, 2008; Kameneva, 2010], *Herina lacustris* (Meigen, 1826), *Herina lugubris* (Meigen, 1826), *Myennis octopunctata* (Coquebert, 1798), *Physiphora alceae* (Preyssler, 1791), *Seioptera vibrans* (Linnaeus, 1758) (known only from Madeira Island), *Ulidia apicalis* (Meigen, 1826) and *Tetanops flavescens* Macquart, 1835 [Carles-Tolrá & Báez, 2002; Carles-Tolrá & Kameneva, 2008]. Our current observations have added three more species of Ulidiidae to the list: *Cephalia rufipes* Meigen, 1826 and *Herina gyrans* (Loew, 1864) are new to Portugal and *Seioptera vibrans* (Linnaeus, 1758) new for mainland Portugal.

Material and methods

The specimens of *C. rufipes* and *H. gyrans* listed in this paper are deposited in the private collection of the author (CJM). The series of photos from figures 1 and 3 were taken with a Canon EOS 30D, plus MP-E 65 mm lens with Kenko extension tubes and using a Canon Speedlite 430-EX coupled with a LumiQuest Mini Softbox diffuser. Photos by Nikhola Rhamé were taken with a Canon EOS 5D and MP-E 65 mm lens, with a Sunpak RD2000 flash coupled with a homemade diffuser plate. Joaquim Gaspar's photos were taken with a Nikon D80 with a Tokina 100 mm lens.

Results

Subfamilia Otitinae

Tribu Cephalini

Cephalia rufipes Meigen, 1826

Viseu (municipality) - Silgueiros (parish) - Póvoa Dão. 40° 32' 59.79" N, 7° 56' 38.51" W [Google Earth], 20-September-2009 (Malaise trap), 1 specimen, Jorge Almeida leg. (CJM).

A species with a Northern Mediterranean and Central European distribution, occurring from the Iberian Peninsula, Southern Germany and Austria to Israel [Kameneva & Greve, 2011]. It has been recorded in the provinces of Barcelona, Cadiz and Salamanca in Spain [Carles-Tolrá & Kameneva, 2008]. This is the first record for Portugal.

C. rufipes was found when the author was packing up the Malaise trap. The ulidiid was climbing up the black fabric of the malaise. In a letter to the author, Elena Kameneva noted that there are about 20-25 *C. rufipes* specimens in the main European collections, mostly old.



Fig. 1. - Detail of the head of *Cephalia rufipes* Meigen, 1826, rare fly in Europe. Photo by Jorge Almeida.

Myennis octopunctata (Coquebert, 1798)

Guarda (municipality) - Manteigas (parish) - Manteigas. 18-June-1999, 1 male, J.M. Grosso-Silva leg. (CMCT) [Carles-Tolrá & Kameneva, 2008].

Santarém (municipality) - Constância (parish) - Constância. 15-September-2010, 39° 28' 27,3'' N, 8° 20' 24,6'' W [Google Earth], not collected. Confirmation through photographic proof provided by João Coelho [Beuk, 2011a].

A species with a mostly western Palearctic distribution [Kameneva & Korneyev, 2006]. This is the second record for Portugal and new for Santarem district. The fly was observed under *Fomes* sp. fungus by João Coelho, who only took photos, which were later identified by the author as *M. octopunctata*.



Fig. 2.- *Myennis octopunctata* (Coquebert, 1798). a & b: ♀; c & d: ♂. Photos courtesy of Nikola Rahmé.

Tribu Otitini

Herina gyrans (Loew, 1864)

Castelo Branco (municipality) - Alameda (parish) - Alameda. 21-August-2010, 40° 0' 36.15" N, 7° 39' 42.02" W [Google Earth], 4 specimens, Jorge Almeida leg. (CJM).

This species was known only from Croatia and Spain [Carles-Tolrá & Kameneva, 2008; Kameneva, 2007]. Portugal is now the third country where *Herina gyrans* has been found in Europe. The specimens were collected near a stream on *Mentha* sp. by sweeping with an entomological net, by Jorge Almeida, Paulo Rodrigues and Pedro Pires.

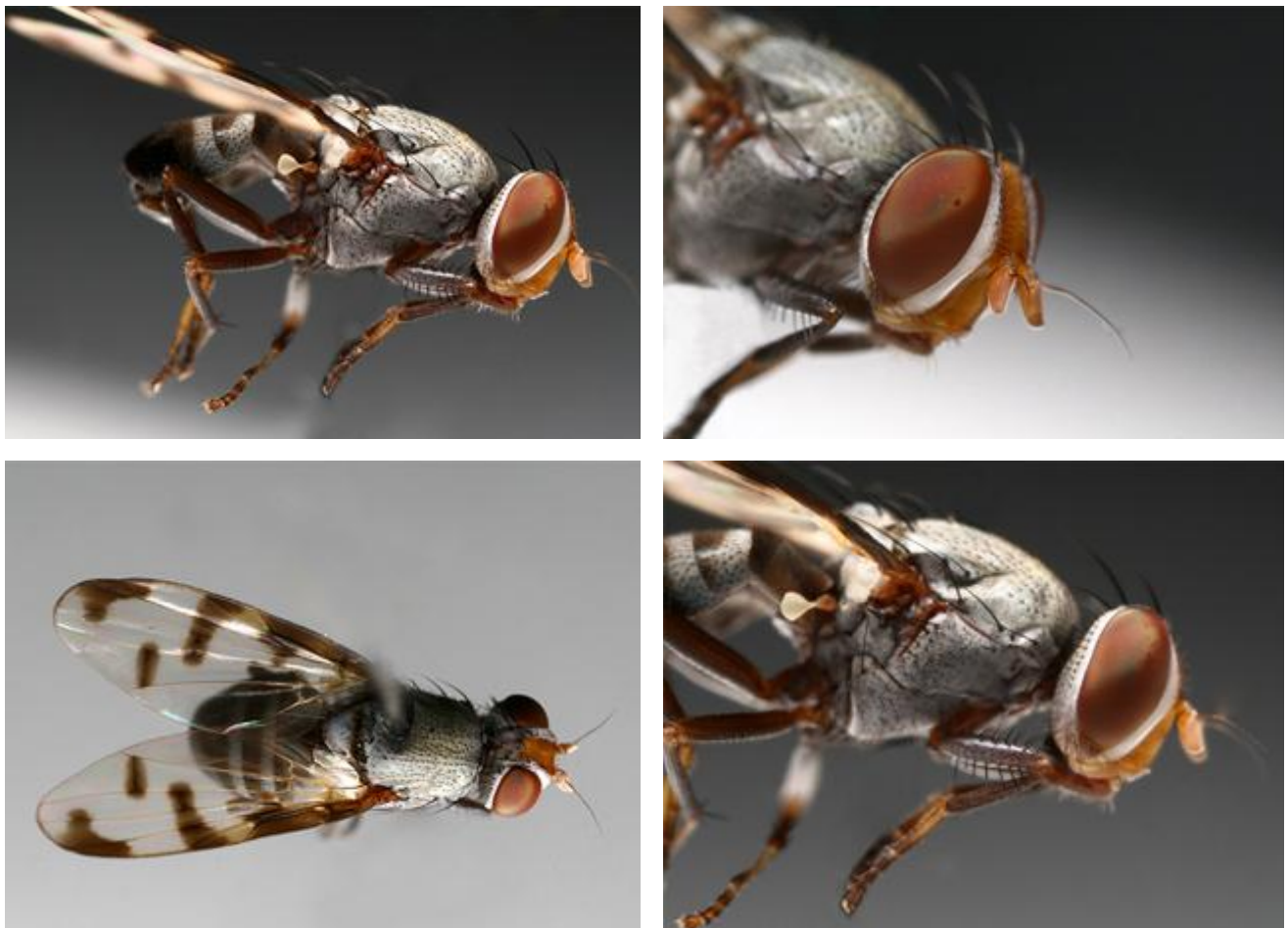


Fig. 3.- Non-type specimen of *Herina gyrans* (Loew, 1864). Photos by Jorge Almeida.

Tribu Seiapterini

Seioptera vibrans (Linnaeus, 1758)

Lisboa (municipality) - Carnide (parish) - Carnide. 2-May-2008, 38° 45' 31' 'N, 9° 11' 41'' W [Google Earth], not collected. Joaquim Gaspar provided a photograph of this species [Beuk, 2011b].

Seioptera vibrans was known from Madeira Island and Spain [Carles-Tolrá & Báez, 2002]. This is the first record for mainland Portugal.



Fig. 4.- *Seioptera vibrans* (Linnaeus, 1758) on a leaf of *Lantana camara* L. Photos courtesy of Joaquim Gaspar.

Conclusions

This work shows that the geographical distribution, among the four species aforementioned, is broadened. More studies should be undertaken to better understand the national distribution range for these species. It is likely that genera *Hypochra* Loew, 1868, *Melieria* Robineau-Desvoidy, 1830 and *Otites* Latreille, 1804 could exist in mainland Portugal, nevertheless so far there are no records.

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