

# Fungus gnats (Diptera: Bolitophilidae, Keroplatidae, Mycetophilidae) from Galicia, including 28 species new to Spain and 23 new to the Iberian Peninsula

Peter Chandler<sup>(1\*)</sup> & José Luis Camaño Portela<sup>(2)</sup>

<sup>(1)</sup> 606B Berryfield Lane, Melksham, Wilts SN12 6EL, UK

<sup>(2)</sup> ETS Ingenieros Industriales, Universidad de Vigo, Lagoas-Marcosende, s/n E36310 Vigo, España

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## Abstract

A sample of 224 specimens of fungus gnats of NW Spain was examined. This is a region not much studied for this group. Altogether 100 species including 96 species of Mycetophilidae, 1 species of Bolitophilidae and 3 species of Keroplatidae species were found. These included two species of Keroplatidae and 26 species of Mycetophilidae species new for Spain. Of these 23 species of Mycetophilidae were also new for the Iberian Peninsula.

**Keywords:** Diptera, Bolitophilidae, Keroplatidae, Mycetophilidae, Galicia, NW Spain.

## Resumen

Se ha realizado un examen de 224 especímenes del NO de España pertenecientes a las familias Bolitophilidae, Keroplatidae y Mycetophilidae. Los dípteros de este grupo no han sido estudiados en profundidad en esta zona. Se han encontrado 100 especies, incluyendo 96 especies de Mycetophilidae, 1 especie de Bolitophilidae y 3 especies de Keroplatidae. Entre ellas, dos especies de Keroplatidae y 26 de Mycetophilidae son nuevas para España. Además, 23 especies de Mycetophilidae son también nuevas para la Península Ibérica.

**Palabras clave:** Diptera, Bolitophilidae, Keroplatidae, Mycetophilidae, Galicia, NO España.

## INTRODUCTION

Material of fungus gnats recently collected in Galicia was referred to the first author for identification. This collection was of considerable interest because this region has hardly been studied previously for this group of insects. Two species of Bolitophilidae, including the species reported here, were recorded from this area by CARLES-TOLRÁ *et al.* (2010).

The European fauna of fungus gnats comprises five families, of which the small families Ditomyiidae and Diadocidiidae were not represented in the present material. Ditomyiidae has 2 species in Spain and the Iberian Peninsula (CHANDLER 2002, CARLES-TOLRÁ 2004a), as does Diadocidiidae (CHANDLER 2002, CARLES-TOLRÁ & SALOÑA 2004). Of the three families represented, the checklists (CHANDLER & BÁEZ 2002) included the following totals for peninsular Spain (excluding the Canary and Balearic islands) and the Iberian Peninsula: Bolitophilidae 9 and 9; Keroplatidae 30 and 36; Mycetophilidae 212 and 225). More recently six species of Keroplatidae have been added to the Spanish list (CARLES-TOLRÁ 2004b, 2006 & 2008, CARLES-TOLRÁ & SALOÑA 2004), all of them also new to the Iberian Peninsula. The additions in the present paper thus bring the list for peninsular Spain (excluding the Canary and Balearic islands) and the Iberian Peninsula to the following totals respectively: Keroplatidae 38 and 42; Mycetophilidae 240 and 250. Material from Guipúzcoa recently examined by the first author included two of the species recorded here as new to Spain, as well as six other

species of Mycetophilidae new to Spain (CHANDLER 2011).

## MATERIAL AND METHODS

The captures were made by the second author of the Asociación BIGA (<http://www.biga.org>) with a sweep net, for which permission was obtained from the local administration Consellería de Medio Ambiente e Desenvolvemento Sostible of the Xunta de Galicia (Spain), and transferred immediately to 70% Ethanol. Every fly was transferred to an Eppendorf tube with the corresponding capture label and is deposited in the Arthropoda collection (acronym ABIGA) of the Asociación BIGA and in the collection of the first author.

The specimens were determined by the first author

In the following sections the results are ordered by family, subfamily, tribe, genus, subgenus and species name. Details of the collection data and location of specimens are provided under each species, including country, province, municipality, location, UTM coordinate, altitude, habitat, date and the specimen or specimens number in the LOU-Arthr collection. For the coordinates, with an accuracy of 1 Km<sup>2</sup>, the MGRS (Military Grid Reference System) is used, with the European 1979 Datum.

The nomenclature and classification follow Chandler (2004), except where there have been more recent nomenclatural changes. Comments are given on the wider distribution and where known the biology of the species that are newly recorded for Spain.

\*chandgnats@aol.com Author whom the correspondence must be addressed.

## BOLITOPHILIDAE

*Bolitophila cinerea* Meigen, 1818

- Spain, Pontevedra, Pontearreas, A Abelleira, in riparian forest, 29TNG4067, 30 m, 25-II-2007. 1 ♀, ABIGA 5183.

## KEROPLATIDAE

## KEROPLATINAE, ORFELIINI

*Macrorrhyncha flava* Winnertz, 1846

This species was recorded as new to Spain from Guipúzcoa by CARLES-TOLRÁ (2008). It is widespread in Europe and most often found feeding at flowers of umbelliferous plants (Apiaceae).

- Spain, Pontevedra, Tui, Páramos, in riverbank, 29TNG 3156, 40 m, 27-VI-2008. 1 ♀, ABIGA 27594.

*Neoplatyura modesta* (Winnertz, 1863)

New to Spain. Common and widespread in Europe.

- Spain, Pontevedra, Tui, Páramos, in riverbank, 29TNG 3156, 40 m, 27-VI-2008. 1 ♂, ABIGA 17587.

*Pyratula oracula* Chandler, 1994

New to Spain. A mainly Mediterranean species, also previously recorded from Andorra.

- Spain, Ourense, Verín, San Pedro, in riparian forest, 29TPG2841, 370 m, 17-V-2007. 1 ♂, ABIGA 7997.

## MYCETOPHILIDAE

## GNORESTINAE

*Boletina gripha* Dziedzicki, 1885

- Spain, Lugo, Quiroga, Montefurado, near riverbank, 29TPG4794, 280 m, 6-IV-2008. 1 ♂, ABIGA 13941.

*Boletina sciarina* Staeger, 1840

- Spain, Pontevedra, Agolada, Cristín, in riparian forest, 29TNH8037, 540 m, 25-VII-2007. 1 ♂, ABIGA 6390.

*Synapha fasciata* Meigen, 1818

- Spain, Pontevedra, A Lama, Serra do Suido, in peatland, 29TNG5487, 1000 m, 7-IX-2007. 1 ♂, ABIGA 6735.

*Tetragoneura sylvatica* (Curtis, 1837)

Also recorded in 2007 in Guipúzcoa (CHANDLER 2011). Common and widespread in Europe, also reaching the eastern Palaearctic, developing in rotten wood.

- Spain, Pontevedra, Pontearreas, A Abelleira, in riparian forest, 29TNG4067, 30 m, 18-VII-2008. 1 ♂, ABIGA 15767. 1 ♂, LOU-Arthr 15864.

- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 280 m, 6-XI-2007. 1 ♂, LOU-Arthr 9050. 1 ♀, ABIGA 9110. 2 ♀, ABIGA 9111. 1 ♂, ABIGA 9121. 2 ♂, ABIGA 9125.

- Spain, Ourense, Porqueira, Ponte Liñares, in fields near riverbank, 29TNG9252, 620 m, 17-V-2007. 1 ♂, ABIGA 12522.

- Spain, Pontevedra, Rodeiro, Cabanas, in riparian forest, 29TNH8627, 600 m, 25-VII-2007. 1 ♂, ABIGA 6886.

- Spain, Lugo, Cervantes, Bosque Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2008. 1 ♂, ABIGA 17276. 1 ♂, ABIGA 17353.

- Spain, Ourense, Lobios, Sernilla, in scrubland, 29TNG 8737, 1120 m, 4-V-2008. 1 ♀, ABIGA 14558.

## LEIINAE

*Docosia flavicoxa* Strobl, 1900

= *Docosia pallipes* Edwards, 1941

- Spain, Ourense, Pobra de Trives, Ponte Bibeí, in deciduous forest near riverbank, 29TPG4788, 300 m, 5-IV-2008. 1 ♂, ABIGA 14120.

- Spain, Ourense, Verín, San Pedro, in riparian forest, 29TPG2841, 370 m, 17-V-2007. 1 ♂, ABIGA 7900. 1 ♂, ABIGA 7952.

- Spain, Pontevedra, Vigo, Eifonso, in fields bordered with *Salix atrocinerea*, 29TNG2670, 280 m, 15-VI-2008. 1 ♂, ABIGA 17513.

*Docosia gilvipes* (Haliday in Walker, 1856)

- Spain, Lugo, Castroverde, Castroverde, in *Quercus robur* forest, 29TPH3464, 490 m, 10-III-2007. 1 ♂, ABIGA 13532.

*Docosia matilei* Šev ík, 2008

New to Iberian Peninsula. This recently described species was previously recorded only from the French and Italian Alps.

- Spain, Ourense, Lobios, Regada, in scrubland, 29TNG 7737, 680 m, 4-V-2008. 1 ♂, ABIGA 14495. 1 ♂, ABIGA 14501.

- Spain, Pontevedra, Crecente, Prado, in riparian forest, 29TNG7168, 100 m, 9-V-2007. 1 ♂, ABIGA 5478.

*Greenomyia mongolica* Laštovka & Matile, 1974

New to Iberian Peninsula. This species is widespread in the Palaearctic but appears to have been spreading into western Europe in recent years, so its occurrence in Galicia is of particular interest. It may be found feeding at various flowers including *Heracleum*, *Pastinaca* and *Hedera*, and has been reared from rotten wood.

- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 400 m, 8-VI-2008. 1 ♂, ABIGA 15076.

*Leia bimaculata* (Meigen, 1804)

- Spain, Pontevedra, Crecente, Prado, in riparian forest, 29TNG7168, 100 m, 9-V-2007. 1 ♂, ABIGA 5493.

*Leia winthemii* Lehmann, 1822

New to Iberian Peninsula. A very widespread Holarctic species that, like some other members of this genus, may be found on the foliage of broad-leaved trees.

- Spain, A Coruña, Cedeira, San Andrés de Teixido, in riparian forest, 29TNJ8239, 300 m, 26-VII-2008. 1 ♂, ABIGA 13199.

*Rondaniella dimidiata* (Meigen, 1804)

- Spain, Lugo, As Nogais, San Pedro, in riverbank, 29TPH6932, 920 m, 28-VI-2008. 1 ♂, ABIGA 18213.

- Spain, Pontevedra, Vigo, San Cibrán, in riparian forest, 29TNG2670, 400 m, 8-VI-2008. 1 ♂, ABIGA 15099.

## MYCETOPHILINAE, EXECHIINI

*Allodia (Allodia) lugens* (Wiedemann, 1817)

- Spain, Lugo, Baleira, Vilaes, in riparian forest, 29TPH 4068, 710 m, 10-III-2007. 1 ♀ 1 ♂, ABIGA 13632.

- Spain, Lugo, O Incio, Pena, in *Castanea sativa* forest, 29TPH3422, 540 m, 5-IV-2007. 1 ♂, ABIGA 7458.

- Spain, Ourense, Pobra de Trives, Ponte Bibeí, in deciduous forest near riverbank, 29TPG4788, 300 m, 5-IV-2008. 1 ♂, ABIGA 14086.

*Allodia (Allodia) ornaticollis* (Meigen, 1818)

- Spain, Ourense, Pobra de Trives, Ponte Bibei, in deciduous forest near riverbank, 29TPG4788, 300 m, 6-X-2007. 1 ♂, ABIGA 8719. 1 ♂, ABIGA 8726. 1 ♂, ABIGA 8776.

*Allodia (Brachycampta) grata* (Meigen, 1830)

- Spain, A Coruña, Cedeira, San Andrés de Teixido, in riparian forest, 29TNJ8239, 300 m, 26-VII-2007. 1 ♂, ABIGA 13090.

*Allodia (Brachycampta) pistillata* (Lundström, 1911)

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2007. 1 ♂, ABIGA 15345.

- Spain, Lugo, Quiroga, San Martiño, in fields near riverbank, 29TPG5994, 300 m, 12-X-2007. 1 ♂, ABIGA 8254.

- Spain, Ourense, Pobra de Trives, Ponte Bibei, in deciduous forest near riverbank, 29TPG4788, 300 m, 5-IV-2008. 1 ♂, ABIGA 14097.

*Allodiopsis rustica* (Edwards, 1941)

- Spain, Lugo, As Nogais, San Pedro, in mixed forest in riverbank, 29TPH5932, 920 m, 28-VI-2008. 1 ♂, ABIGA 18130. 1 ♂, ABIGA 18202. 1 ♀, ABIGA 18229.

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous mixed forest, 29TPH7244, 1000 m, 29-VII-2007. 1 ♀, ABIGA 6097. 1 ♂, ABIGA 6120.

- Spain, Ourense, Blancos, Nocado, in fields bordered with deciduous trees, 29TPG4609, 650 m, 18-V-2007. 1 ♂, ABIGA 13408.

- Spain, Ourense, Rairiz de Veiga, A Saínza, in fields, 29TNG9658, 620 m, 17-V-2007. 1 ♀, ABIGA 9752.

*Anatella longisetosa* Dziedzicki, 1923

New to Iberian Peninsula. Widely distributed in Europe.

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2007. 1 ♂, ABIGA 15366.

*Brevicornu griseicolle* (Staeger, 1840)

- Spain, Lugo, As Nogais, Nocado, in fields near riverbank bordered with deciduous trees, 29TPH5735, 650 m, 27-VII-2008. 1 ♂, ABIGA 17255.

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2008. 1 ♂, ABIGA 17371.

- Spain, Lugo, Cervantes, Vilachá, in riparian forest, 29TPH5749, 400 m, 11-III-2007. 1 ♂, ABIGA 9713.

- Spain, Ourense, Cela, Vilanfesta, in fields, 29TNH8712, 440 m, 25-VII-2007. 1 ♂, ABIGA 12799.

- Spain, Ourense, Lobios, Alvite, in scrubland, 29TNG8139, 790 m, 4-V-2008. 1 ♂, ABIGA 14606.

- Spain, Ourense, Lobios, Prados, in *Alnus glutinosa* forest in riverbank, 29TNG8344, 700 m, 4-V-2008. 1 ♂, ABIGA 14485. 1 ♂, ABIGA 14541.

*Brevicornu ruficorne* (Meigen, 1838)

New to Iberian Peninsula. A widespread Holarctic species.

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2008. 1 ♂, ABIGA 17337. 1 ♂, ABIGA 17355.

*Brevicornu serenum* (Winnertz, 1863)

- Spain, Lugo, Pantón, Paderne, in fields, 29TPH1509, 400 m, 3-VII-2007. 1 ♂, ABIGA 13714.

- Spain, Pontevedra, Rodeiro, Cabanas, in riparian forest, 29TNH8627, 600 m, 25-VII-2007. 1 ♂, ABIGA 6935.

*Brevicornu sericoma* (Meigen, 1830)

- Spain, Ourense, Muiños, O Areal, in abandoned fields with *Ulex*, 29TNG8241, 670 m, 13-IX-2008. 1 ♂, ABIGA 16650.

- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 400 m, 8-VI-2008. 1 ♂, ABIGA 15123.

- Spain, Ourense, Lobios, Prados, in *Alnus glutinosa* forest in riverbank, 29TNG8344, 700 m, 4-V-2008. 1 ♂, ABIGA 14479.

*Brevicornu verralli* (Edwards, 1925)

- Spain, Ourense, Manzaneda, A Madroa, in streambank in *Quercus* forest, 29TPG4884, 580 m, 5-IV-2008. 1 ♂, ABIGA 13999.

*Cordyla brevicornis* (Staeger, 1840)

- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 400 m, 8-VI-2008. 1 ♂, ABIGA 15079.

*Cordyla crassicornis* Meigen, 1818

- Spain, Ourense, Pantón, San Fiz de Cangas, in fields bordered with mixed forest, 29TPH1203, 560 m, 3-VII-2007. 1 ♂, ABIGA 9554. 1 ♂, LOU-Arthr 9566.

*Cordyla fissa* Edwards, 1925

- Spain, A Coruña, Cedeira, San Andrés de Teixido, in riparian forest, 29TNJ8239, 300 m, 26-VII-2007. 1 ♂, ABIGA 13170.

*Cordyla fusca* Meigen, 1804

- Spain, Ourense, Blancos, Nocado, mixed forest in riverbank, 29TPG4609, 650 m, 18-V-2007. 1 ♂, ABIGA 13378.

- Spain, Ourense, Lobios, Herbedo, in scrubland, 29TNG 7535, 690 m, 4-V-2008. 1 ♂, ABIGA 14802.

*Cordyla pusilla* Edwards, 1925

New to Iberian Peninsula. A widespread European species extending to the eastern Palaearctic.

- Spain, Ourense, Pantón, San Fiz de Cangas, in fields bordered with deciduous trees, 29TPH1203, 560 m, 3-VII-2007. 1 ♂, ABIGA 9629.

*Cordyla semiflava* (Staeger, 1840)

New to Iberian Peninsula. A widespread European species extending to the eastern Palaearctic.

- Spain, Ourense, Blancos, Nocado, in mixed forest near riverbank, 29TPG4609, 650 m, 18-V-2007. 1 ♂, ABIGA 13318.

*Cordyla styliforceps* (Bukowski, 1934)

- Spain, Lugo, Castroverde, Castroverde, in *Quercus robur* forest, 29TPH3464, 490 m, 10-III-2007. 1 ♂, ABIGA 13551.

*Exechia dorsalis* (Staeger, 1840)

- Spain, Ourense, Baltar, San Martiño, in fields near riverbank, 29TPG0139, 1020 m, 13-IX-2008. 1 ♂, ABIGA 16590.

- Spain, Ourense, Muiños, Senda Torrente-Salgueiro, in mixed deciduous forest, 29TNG8440, 930 m, 13-IX-2008. 1 ♂, ABIGA 16009.

*Exechia fusca* (Meigen, 1804)

- Spain, Lugo, Baleira, Vilares, in riparian forest, 29TPH 4068, 710 m, 10-III-2007. 1 ♀, ABIGA 13623.
- Spain, Lugo, O Incio, Pena, in *Castanea sativa* forest, 29TPH3422, 540 m, 5-IV-2007. 1 ♀, ABIGA 7463.
- Spain, Ourense, Baltar, San Martiño, in fields near riverbank, 29TPG0139, 1030 m, 13-IX-2008. 1 ♂, ABIGA 16563.
- Spain, Ourense, Pobra de Trives, Pereiro, in riparian forest, 29TPG4469, 600 m, 6-X-2007. 1 ♀, ABIGA 12911.
- Spain, Pontevedra, Vigo, Lagoas, in pine forest, 29TNG 2869, 400 m, 5-VII-2007. 1 ♂, ABIGA 5739.

*Exechia repandoides* Caspers, 1984

New to Iberian Peninsula. Widespread in Europe, developing in terrestrial fungi of the genera *Cortinarius* and *Tricholoma*.

- Spain, A Coruña, Cedeira, San Andrés de Teixido, in riparian forest, 29TNJ8239, 300 m, 26-VII-2007. 1 ♂, ABIGA 13189.
- Spain, Ourense, Blancos, Nocado, in mixed forest near riverbank, 29TPG4609, 650 m, 18-V-2007. 1 ♂, ABIGA 13482.

*Exechia seriata* (Meigen, 1830)

- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 280 m, 6-XI-2007. 1 ♀, ABIGA 9116.

*Exechia spinuligera* Lundström, 1912

- Spain, Pontevedra, Tui, Bouzabalada, in fields near riverbank, 29TNG2852, 30 m, 23-IV-2007. 1 ♂, ABIGA 4402.

*Exechiopsis (Xenexechia) leptura* (Meigen, 1830)

New to Iberian Peninsula. Widespread in the Palaearctic.

- Spain, Pontevedra, Cangas, Ermelo, in *Quercus robur* forest, 29TNG1983, 430 m, 24-IV-2008. 1 ♂, ABIGA 14305.

*Rymosia affinis* Winnertz, 1863

- Spain, Ourense, Pobra de Trives, Ponte Bibeí, in deciduous forest near riverbank, 29TPG4988, 300 m, 5-X-2007. 1 ♀, ABIGA 9171.

*Rymosia spinipes* Winnertz, 1863

- Spain, Ourense, Pobra de Trives, Ponte Bibeí, in deciduous forest near riverbank, 29TPG4788, 300 m, 6-X-2007. 1 ♂, ABIGA 8739.

*Synplasta gracilis* (Winnertz, 1863)

The records given for *S. excogitata* (Dziedzicki, 1910) by Chandler & Báez (2002) related to this species, which was corrected in Chandler (2004).

- Spain, Ourense, Baltar, San Martiño, in fields near riverbank, 29TPG0139, 1020 m, 13-IX-2008. 1 ♂, ABIGA 16557.

*Tarnania dziedzickii* (Edwards, 1941)

- Spain, Ourense, Pobra de Trives, Ponte Bibeí, in deciduous forest near riverbank, 29TPG4788, 300 m, 6-X-2007. 1 ♀, ABIGA 8550.

*Tarnania nemoralis* (Edwards, 1941)

New to Spain. Widespread in Europe.

- Spain, Ourense, Pobra de Trives, Pereiro, in riparian forest, 29TPG4469, 600 m, 6-X-2007. 1 ♂, ABIGA 12852.

## MYCETOPHILINAE, MYCETOPHILINI

*Dynatosoma fuscicorne* (Meigen, 1818)

New to Iberian Peninsula. A Holarctic species that is common and widespread in Europe. It develops in a wide range of tougher polypore fungi.

- Spain, Pontevedra, Goian, in fields near riverbank, 29TNG2043, 30 m, 11-X-2008. 1 ♂, ABIGA 16146.

*Mycetophila alea* Laffoon, 1965

- Spain, Pontevedra, Crecente, A Veiga, in riparian forest, 29TNG7168, 100 m, 9-V-2007. 1 ♀, ABIGA 5358.
- Spain, Pontevedra, Vigo, Lagoas, in pine forest, 29TNG 2869, 400 m, 20-VII-2007. 1 ♂, ABIGA 12629.

*Mycetophila britannica* Laštovka & Kidd, 1975

- Spain, A Coruña, Cedeira, San Andrés de Teixido, in riparian forest, 29TNJ8239, 300 m, 26-VII-2007. 1 ♂, ABIGA 13140.
- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2007. 1 ♂, ABIGA 17345. 1 ♂, ABIGA 17785.
- Spain, Ourense, A Veiga, Xares, in *Quercus petraea* forest, 29TPG7180, 1110 m, 14-VI-2008. 1 ♀, ABIGA 15648.
- Spain, Ourense, Blancos, Nocado, in fields bordered with deciduous trees, 29TPG4609, 650 m, 28-V-2007. 1 ♀, ABIGA 13372.
- Spain, Ourense, Pobra de Trives, Pereiro, in riparian forest, 29TPG4469, 600 m, 6-X-2007. 1 ♀, ABIGA 12926.
- Spain, Ourense, Pobra de Trives, Ponte Bibeí, in deciduous forest near riverbank, 29TPG4788, 300 m, 5-X-2007. 1 ♂, ABIGA 9272.

*Mycetophila caudata* Staeger, 1840

New to Iberian Peninsula. A Holarctic species that is widespread in Europe.

- Spain, Ourense, Cela, Vilainfesta, in fields, 29TNH8712, 440 m, 25-VII-2007. 1 ♂, ABIGA 12804.
- Spain, Ourense, Manzaneda, A Madroa, in streambank in *Quercus* forest, 29TPG4884, 580 m, 5-IV-2008. 1 ♂, ABIGA 14050.
- Spain, Pontevedra, Rodeiro, Cabanas, in riparian forest, 29TNH8627, 600 m, 25-VII-2007. 1 ♀, ABIGA 6889.
- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 280 m, 6-XI-2007. 1 ♀, ABIGA 9115.

*Mycetophila curviseta* Lundström, 1911

- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TPH5932, 920 m, 28-VI-2008. 1 ♂, ABIGA 18203.

*Mycetophila dentata* Lundström, 1913

New to Iberian Peninsula. A Holarctic species that is widespread in Europe and develops in various fungi including agarics, a bolete and the polypore *Piptoporus betulinus*.

- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 280 m, 6-XI-2007. 1 ♂, ABIGA 9098.

*Mycetophila edwardsi* Lundström, 1913

- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TPH5932, 920 m, 28-VI-2008. 1 ♀, ABIGA 18137.
- Spain, Lugo, O Incio, Pena, in scrubland, 29TPH3422, 600 m, 5-IV-2007. 1 ♂, ABIGA 12132.
- Spain, Ourense, Pobra de Trives, Ponte Bibeí, in deciduous forest near riverbank, 29TPG4788, 300 m, 5-X-2007. 1 ♂, ABIGA 9363.

*Mycetophila forcipata* Lundström, 1913

New to Iberian Peninsula. A widespread species in Europe, extending to the eastern Palaearctic, developing in the polypore fungus *Piptoporus betulinus*.

- Spain, Lugo, Baleira, Vilares, in riparian forest, 29TPH 4068, 710 m, 10-III-2007. 1 ♀, ABIGA 13658.

*Mycetophila formosa* Lundström, 1911

- Spain, Ourense, Pobra de Trives, Pereiro, in riparian forest, 29TPG4469, 600 m, 6-X-2007. 1 ♀, ABIGA 12853.

- Spain, Pontevedra, Agolada, Cristín, in riparian forest, 29TNH8037, 540 m, 25-VII-2007. 1 ♀, ABIGA 6357.

*Mycetophila hetschkoi* Landrock, 1918

- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 280 m, 6-XI-2007. 1 ♂, ABIGA 9128.

*Mycetophila ichneumonea* Say, 1823

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2007. 1 ♂, ABIGA 15360.

*Mycetophila idonea* Laštovka, 1972

New to Iberian Peninsula. Widespread in the Palaearctic, in Europe mostly in montane areas.

- Spain, Pontevedra, Ponteareas, A Abelleira, in riparian forest, 29TNG4067, 30 m, 25-II-2007. 1 ♂, ABIGA 5162.

- Spain, Pontevedra, Ponteareas, A Abelleira, in riparian forest, 29TNG4068, 40 m, 19-X-2007. 1 ♂, ABIGA 8992.

*Mycetophila luctuosa* Meigen, 1830

- Spain, Ourense, Entrimo, Bouzadrago, in scrubland, 29TNG7242, 420 m, 4-V-2008. 1 ♂, ABIGA 14731. 1 ♀, ABIGA 14745.

- Spain, Ourense, Cea, Vilanfesta, in fields, 29TNH8712, 440 m, 25-VII-2007. 1 ♂, ABIGA 12743.

*Mycetophila marginata* Winnertz, 1863

- Spain, Lugo, Baleira, Vilares, in riparian forest, 29TPH 4068, 710 m, 10-III-2007. 1 ♂, ABIGA 13666.

- Spain, Ourense, Baltar, San Martiño, in mixed deciduous forest, 29PG0139, 1040 m, 13-IX-2008. 1 ♂, ABIGA 16043.

- Spain, Ourense, Manzaneda, A Madroa, in *Quercus* forest near streambank, 29TPG4884, 580 m, 5-IV-2008. 1 ♂, ABIGA 14025.

*Mycetophila occultans* Lundström, 1913

- Spain, Lugo, Baleira, Vilares, in riparian forest, 29TPH 4068, 710 m, 10-II-2007. 1 ♂, ABIGA 13668.

- Spain, Ourense, Os Blancos, Nocado, in fields near riverbank, 29TPG0649, 650 m, 13-IX-2008. 1 ♂, ABIGA 16275.

- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 280 m, 6-XI-2007. 1 ♂, ABIGA 9080.

*Mycetophila ocellus* Walker, 1848

- Spain, Ourense, Pobra de Trives, Ponte Bibeí, in deciduous forest near riverbank, 29TPG4788, 300 m, 6-X-2007. 1 ♂, ABIGA 8586.

*Mycetophila perpallida* Chandler, 1993

- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TPH5932, 920 m, 28-VI-2008. 1 ♀, ABIGA 18134.

- Spain, Lugo, Baleira, Vilares, in riparian forest, 29TPH 4078, 710 m, 10-III-2007. 1 ♂, ABIGA 13040.

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous

forest, 29TPH7244, 1000 m, 29-VII-2008. 1 ♂, ABIGA 17356.

- Spain, Ourense, A Veiga, Xares, in *Quercus petraea* forest, 29TPG7180, 1110 m, 14-IV-2008. 1 ♂, ABIGA 15642.

- Spain, Ourense, Pobra de Trives, Pereiro, in riparian forest, 29TPG4469, 600 m, 6-X-2007. 1 ♂, ABIGA 12873.

- Spain, Pontevedra, Ponteareas, A Abelleira, in riparian forest, 29TNG4067, 30 m, 25-II-2007. 1 ♂, ABIGA 5155.

*Mycetophila pictula* Meigen, 1830

- Spain, A Coruña, Cedeira, San Andrés de Teixido, in riparian forest, 29TNJ8239, 300 m, 26-VII-2007. 1 ♂, ABIGA 13190.

*Mycetophila pumila* Winnertz, 1863

- Spain, Ourense, Pobra de Trives, Ponte Bibeí, in deciduous forest near riverbank, 29TPG4788, 300 m, 5-X-2007. 1 ♂, ABIGA 9301.

*Mycetophila spectabilis* Winnertz, 1863

- Spain, Ourense, Lobios, Prados, in *Alnus glutinosa* forest in riverbank, 29TNG8344, 700 m, 4-V-2008. 1 ♂, ABIGA 14489.

- Spain, Ourense, Lobios, Sernilla, in scrubland, 29TNG 8737, 1120 m, 4-V-2007. 1 ♂, ABIGA 14561.

*Mycetophila stylatiformis* Landrock, 1925

New to Iberian Peninsula. An uncommon species that was previously known only from Germany, the Czech Republic, Slovakia and Serbia.

- Spain, Ourense, Cea, Vilanfesta, in fields, 29TNH8712, 440 m, 25-VII-2007. 1 ♀, ABIGA 12758.

- Spain, Pontevedra, Vigo, Lagoas, in pine forest, 29TNG 2869, 400 m, 20-VII-2007. 1 ♂, ABIGA 12557. 1 ♂, ABIGA 12671.

- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 280 m, 6-XI-2007. 1 ♂, ABIGA 9051. 1 ♂, ABIGA 9120.

*Mycetophila trinotata* Staeger, 1840

- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TNG5932, 920 m, 28-VI-2008. 1 ♀, ABIGA 18198.

*Phronia cinerascens* Winnertz, 1863

- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TPH5932, 920 m, 28-VI-2008. 1 ♂, ABIGA 18154. 1 ♂, ABIGA 18209.

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2007. 1 ♂, ABIGA 17327.

- Spain, Ourense, Manzaneda, A Madroa, in *Quercus* forest in streambank, 29TPG4884, 580 m, 5-IV-2008. 1 ♂, ABIGA 14065.

- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNG2670, 400 m, 8-VI-2008. 1 ♂, ABIGA 15151.

*Phronia conformis* (Walker, 1856)

- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TPH5932, 920 m, 28-VI-2008. 1 ♂, ABIGA 18173.

*Phronia coritanica* Chandler, 1992

- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TPH5932, 920 m, 28-VI-2008. 1 ♂, ABIGA 18228.

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2008. 1 ♂, ABIGA 17344.

- Spain, Ourense, Muiños, Senda Torrente-Salgueiro, in mixed deciduous forest, 29TNG8440, 930 m, 13-IX-2008. 1 ♂, ABIGA 15887.

*Phronia humeralis* Winnertz, 1863

- Spain, A Coruña, Cedeira, San Andrés de Teixido, in riparian forest, 29TNJ8239, 300 m, 26-VII-2007. 1 ♂, ABIGA 13070. 1 ♂, ABIGA 13099. 1 ♂, ABIGA 13105. 1 ♂, ABIGA 13164.

- Spain, Lugo, Baleira, Vilares, in riparian forest, 29TPH 4068, 710 m, 10-III-2007. 1 ♂, ABIGA 13626. 1 ♂, ABIGA 13634. 1 ♂, ABIGA 13641. 1 ♀, ABIGA 13643. 1 ♀, ABIGA 31644. 1 ♂, ABIGA 13645. 1 ♀, ABIGA 13646. 1 ♀, ABIGA 13652. 1 ♂, ABIGA 13659.

- Spain, Lugo, O Incio, Monteagudo, in scrubland of *Pterospartum tridentatum*, 29T3621, 930 m, 5-IV-2007. 1 ♂, ABIGA 12933.

- Spain, Lugo, O Incio, Pena, in *Castanea sativa* forest, 29TPH3422, 540 m, 5-IV-2007. 1 ♀, ABIGA 7448.

- Spain, Ourense, Blancos, Nocado, in mixed forest in riverbank, 29TPG4609, 650 m, 18-V-2007. 1 ♂, ABIGA 13336.

- Spain, Ourense, Cea, Vilanfesta, in fields, 29TNH8712, 440 m, 25-III-2007. 1 ♀, ABIGA 12746.

- Spain, Pontevedra, Pontearreas, A Abelleira, in riparian forest, 29TNG4067, 30 m, 25-II-2007. 1 ♀, ABIGA 5185.

- Spain, Pontevedra, Marín, Pastoriza, in *Quercus robur* forest in streambank, 29TNG2286, 370 m, 3-IV-2008. 1 ♂, ABIGA 13927.

*Phronia nigricornis* (Zetterstedt, 1852)

New to Spain. A common and widespread Holarctic species.

- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TPH5932, 920 m, 28-VI-2008. 1 ♂, ABIGA 18191.

- Spain, Ourense, Entrimo, Bouzadrago, in scrubland, 29TNG7242, 420 m, 4-V-2008. 1 ♀, ABIGA 14767.

*Phronia nitidiventris* (van der Wulp, 1859)

- Spain, Ourense, Pobra de Trives, Ponte Bibei, in deciduous forest near riverbank, 29TPG4788, 300 m, 5-IV-2008. 1 ♂, ABIGA 14133.

*Phronia obtusa* Winnertz, 1863

New to Iberian Peninsula. A common Holarctic species.

- Spain, A Coruña, Cedeira, San Andrés de Teixido, in riparian forest, 29TNJ8239, 300 m, 26-VII-2007. 1 ♂, ABIGA 13206.

*Phronia strenua* Winnertz, 1863

New to Iberian Peninsula. A common Holarctic species.

- Spain, Ourense, Lobios, Prados, in *Alnus glutinosa* forest in riverbank, 29TNG8344, 700 m, 4-V-2008. 1 ♂, ABIGA 11522.

*Phronia triangularis* Winnertz, 1863

New to Iberian Peninsula. Common and widespread in Europe.

- Spain, Pontevedra, Pontearreas, Ganade, in riparian forest, 29TNG4066, 30 m, 10-IV-2007. 1 ♂, ABIGA 7544.

*Phronia tyrrhenica* Edwards, 1928

- Spain, Ourense, Manzaneda, A Madroa, in *Quercus* forest in streambank, 29TPG4884, 580 m, 5-IV-2008. 1 ♂, ABIGA 13995.

*Phronia willistoni* Dziedzicki, 1889

- Spain, Ourense, Pobra de Trives, Pereiro, in riparian forest, 29TPG4469, 600 m, 6-X-2007. 1 ♂, ABIGA 12907.

*Platurocypta punctum* (Stannius, 1831)

- Spain, Pontevedra, Tomiño, Escampados, in fields near riverbank, 29TNG2851, 15 m, 3-VI-2007. 1 ♀, ABIGA 5093.

*Platurocypta testata* (Edwards, 1925)

Also recorded in 2007 in Guipúzcoa (CHANDLER 2011). A common and widespread Holarctic species. Members of this genus develop in myxomycetes (Mycetozoa).

- Spain, A Coruña, Cedeira, San Andrés de Teixido, in riparian forest, 29TNJ8239, 300 m, 26-VII-2007. 1 ♂, ABIGA 13066.

*Sceptonia cryptocauda* Chandler, 1991

New to Spain. Widespread in Europe and the Mediterranean region.

- Spain, Lugo, Pedrafita do Cebreiro, O Padornelo, in grassland with *Cytisus*, 29TPH5430, 1300 m, 28-VI-2008. 1 ♂, ABIGA 18608.

- Spain, Ourense, Manzaneda, Chandoiro, in riparian forest, 29TPG5087, 370 m, 6-X-2007. 1 ♂, ABIGA 8471.

*Sceptonia membranacea* Edwards, 1925

- Spain, Lugo, As Nogais, San Pedro, in riverbank, 29TPH5932, 920 m, 28-VI-2008. 1 ♂, ABIGA 18166.

- Spain, Pontevedra, Tui, Bouzabalada, in fields near riverbank, 29TNG2852, 30 m, 23-IV-2007. 1 ♂, ABIGA 4423.

*Sceptonia nigra* (Meigen, 1804)

- Spain, A Coruña, Cariño, Punta Robaliceira, in scrubland of *Ulex* in serpentinitic substrate, 29TNJ8537, 200 m, 6-V-2007. 1 ♂, ABIGA 4686.

- Spain, Ourense, Os Blancos, Nocado, in fields near riverbank, 29TPG0649, 650 m, 13-IX-2008. 1 ♂, ABIGA 16285.

- Spain, Pontevedra, Rodeiro, Cabanas, in riparian forest, 29TNH8627, 600 m, 25-VII-2007. 1 ♂, ABIGA 6916.

- Spain, Pontevedra, Tui, Bouzabalada, in fields near riverbank, 29TNG2852, 30 m, 23-IV-2007. 1 ♂, ABIGA 4470.

*Sceptonia pilosa* Bukowski, 1934

New to Iberian Peninsula. An uncommon species but widespread in Europe.

- Spain, Lugo, Cervantes, Vilachá, in riparian forest, 29TPH5749, 400 m, 11-III-2007. 1 ♂, ABIGA 9695.

*Sceptonia tenuis* Edwards, 1925

New to Iberian Peninsula. An uncommon species but widespread in Europe.

- Spain, Ourense, Cela, Vilanfesta, in fields, 29TNH8712, 440 m, 25-VII-2007. 1 ♂, ABIGA 12811.

*Trichonta subterminalis* Zaitzev & Menzel, 1996

New to Iberian Peninsula. Previously recorded from Russia, Ukraine, Estonia, Finland and Sweden, but belonging to a difficult species group that needs further study.

- Spain, Lugo, Baleira, Vilares, in riparian forest, 29TPH 4068, 710 m, 10-III-2007. 1 ♂, ABIGA 13635.

- Spain, Lugo, Baleira, Mendreiras, in *Prunus* in scrubland, 29TPH4475, 610 m, 10-III-2007. 1 ♂, ABIGA 12073.

*Trichonta vitta* (Meigen, 1830)

- Spain, Ourense, Lobios, Prados, in *Alnus glutinosa* forest in riverbank, 29TNG8344, 700 m, 4-V-2008. 1 ♂, ABIGA 14516.
- Spain, Ourense, Blancos, Nocado, in fields bordered with mixed forest, 29TPG4609, 650 m, 18-V-2007. 1 ♂, ABIGA 13342.
- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TPH5932, 920 m, 28-VI-2008. 1 ♂, ABIGA 18217.

*Zygomysia semifusca* (Meigen, 1818)

- Spain, Ourense, Pobra de Trives, Ponte Bibei, in deciduous forest near riverbank, 29TPG4788, 300 m, 6-X-2007. 1 ♀, ABIGA 8792.

*Zygomysia vara* (Staeger, 1840)

- Spain, Lugo, Baleira, Vilares, in riparian forest, 29TPH 4068, 710 m, 10-III-2007. 1 ♀, ABIGA 13630.

## MYCOMYINAE

*Mycomya (Cymomya) circumdata* (Staeger, 1840)

- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TPH5932, 920 m, 28-VI-2008. 1 ♂, ABIGA 18140.
- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous mixed forest, 29TPH7244, 1000 m, 29-VII-2008. 1 ♂, ABIGA 15504.

*Mycomya (Mycomya) annulata* (Meigen, 1818)

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous mixed forest, 29TPH7244, 1000 m, 29-VII-2008. 1 ♂, ABIGA 17263.
- Spain, Pontevedra, Agolada, Cristín, in riparian forest, 29TNH8037, 540 m, 25-VII-2007. 1 ♂, ABIGA 6318. 1 ♀, ABIGA 6370.
- Spain, Pontevedra, Marín, Pastoriza, in streambank in deciduous forest, 29TNG2286, 370 m, 3-IV-2008. 1 ♀, ABIGA 13921.
- Spain, Pontevedra, Vigo, Capela de San Cibrán, in riparian forest, 29TNH2670, 280 m, 6-XI-2007. 1 ♂, ABIGA 9109.

*Mycomya (Mycomya) cinerascens* (Macquart, 1826)

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2007. 1 ♂, ABIGA 15356.
- Spain, Pontevedra, Agolada, Cristín, in riparian forest, 29TNH8037, 540 m, 25-VII-2007. 1 ♂, ABIGA 6330.

*Mycomya (Mycomya) marginata* (Meigen, 1818)

- Spain, A Coruña, Cedeira, San Andrés de Teixido, in riparian forest, 29TNJ8239, 300 m, 26-VII-2007. 1 ♀, ABIGA 13134. 1 ♀, ABIGA 13183.
- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2008. 1 ♂, ABIGA 17357.
- Spain, Ourense, Pobra de Trives, Ponte Bibei, in deciduous forest near riverbank, 29TPG4788, 300 m, 6-X-2007. 1 ♂, ABIGA 8795.

*Mycomya (Mycomya) prominens* (Lundström, 1913)

- Spain, Lugo, As Nogais, San Pedro, in riparian forest, 29TPH5932. 920 m, 28-VI-2008. 1 ♂, ABIGA 18201.

*Mycomya (Mycomya) tenuis* (Walker, 1856)

- Spain, Lugo, Baleira, Vilares, in riparian forest, 29TPH4068, 710 m, 10-III-2007. 1 ♂, ABIGA 13633.

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2007. 1 ♀, ABIGA 15558.

- Spain, Pontevedra, Agolada, Cristín, in riparian forest, 29TNH8037, 540 m, 25-VII-2007. 1 ♂, ABIGA 6334.

- Spain, Pontevedra, Pontearreas, A Abelleira, in riparian forest, 29TNG4067, 30 m, 25-II-2007. 1 ♀, ABIGA 5154.

*Neoempheria bimaculata* (von Roser, 1840)

- Spain, Lugo, Cervantes, Monte Vilarello, in old deciduous forest, 29TPH7244, 1000 m, 29-VII-2007. 1 ♀, ABIGA 15369.

## SCIOPHILINAE

*Acnemia nitidicollis* (Meigen, 1818)

- Spain, Ourense, Cela, Vilanfesta, in fields, 29TNH8712, 440 m, 25-VII-2007. 1 ♂, ABIGA 12772.
- Spain, Pontevedra, Agolada, Cristín, in riparian forest, 29TNH8037, 540 m, 25-VII-2007. 1 ♂, ABIGA 6310.
- Spain, Pontevedra, Vigo, Lagoas, in pine forest, 29TNG 2869, 400 m, 20-VII-2007. 1 ♂, ABIGA 12618.

*Monoclona rufilatera* (Walker, 1837)

- Spain, Pontevedra, Goian, Goian, in fields near riverbank, 29TNG2044, 10 m, 15-IX-2008. 1 ♀, ABIGA 16741.

*Phthinia dallai* Zaitzev, 2001

New to Iberian Peninsula. Previously recorded only from France, Italy and Switzerland.

- Spain, Pontevedra, Tomiño, Escampados, in fields near riverbank, 29TNG2851, 15 m, 3 -VI-2007. 1 ♂, ABIGA 4989.

*Sciophila iberolutea* Chandler & Blasco-Zumeta, 2001

- Spain, Ourense, Pobra de Trives, Ponte Bibei, in clear zone near riverbank, 29TPG4788, 300 m, 6-X-2007. 1 ♂, ABIGA 8747.

*Sciophila nonnisilva* Hutson, 1979

New to Iberian Peninsula. A widespread Holarctic species that develops in the fungus *Auricularia auricula-judae*.

- Spain, Ourense, Pantón, San Fiz de Cangas, in fields, 29PH1203, 560 m, 3-VII-2007. 1 ♂, ABIGA 9576.

## DISCUSSION

Fungus gnats are mainly forest insects that develop in fungi or decaying wood and are particularly diverse in the boreal forests of northern Europe and the montane forests of central Europe, but are also well represented in all types of woodland. There has been relatively little recording of fungus gnats in Spain compared to some other European countries and it is expected that the total fauna will be more than twice the number of species currently recorded.

Most of the species recorded here from Galicia are widely distributed in Europe and it is apparent that the fauna has much in common with that of central Europe. The finding of three species *Docosia matilei*, *Phthinia dallai* and *Mycetophila stylatiformis*, with a restricted previously known distribution, is of particular interest.

The absence of any species endemic to the region is not surprising, although the occurrence of *Sciophila iberolutea*, which has a western Mediterranean distribution is of interest. *Pyratula oracula*, originally recorded from Greece and Israel, belongs to a group of closely allied species in the

Mediterranean region but is proving the most widespread of these with previous records from Italy, Switzerland and Andorra.

Galicia can be anticipated to have a rich fungus gnat fauna and any further recording should add considerably to the species list.

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