

**THE FUNGUS GNATS (DIPTERA: BOLITOPHILIDAE,
KEROPLATIDAE AND MYCETOPHILIDAE)
OF TURKEY: PUBLISHED DATA AND NEW RECORDS**

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Abstract. All published data about 32 fungus gnats species of Turkey are summarized and 9 new species are recorded.

Key words: Fungus gnats, Sciaroidea, Bolitophilidae, Keroplatidae, Mycetophilidae, Turkey.

INTRODUCTION

The fungus gnat fauna of Turkey is practically unstudied. Altogether 28 species are recorded, 1 by CASPERS (1991), 18 without given localities by CHANDLER (1994), 2 by BECHEV (1995), 2 by COBANOGLU & BAYRAM (1998), 2 without localities by CHANDLER *et al.*, 2005 and 2 in the Fauna Europaea database by CHANDLER (2004). Two new species from Turkey were described in BECHEV & KOÇ (2006) and one more in BECHEV & KOÇ (in press). These data increase the number of recorded ones to the Turkish fungus gnats species up to 32. With the 9 species added here this number becomes 41.

MATERIAL AND METHODS

Studied material was collected by D. Bechev in European Turkey, and by H. Koç, A. Karaman and O. Ozgül in Asiatic Turkey.

RESULTS AND DISCUSSION**List of the species known from Turkey till 2007**

Taxa	Author
KEROPLATIDAE	
<i>Macrocera crassicornis</i> Winnertz, 1863	Chandler, 1994
<i>Macrocera stigmoides</i> Edwards, 1925	Chandler et al., 2005
<i>Platyura marginata</i> Meigen, 1804	Chandler, 2004
<i>Urytalpa chandleri</i> Bechev & Koç	Bechev & Koç, in press
MYCETOPHILIDAE	
<i>Docosia gilvipes</i> (Haliday, 1856)	Cobanoglu & Bayram, 1998
<i>Leia bimaculata</i> (Meigen, 1804)	Chandler, 1994
<i>Mycomya (Cymomya) circumdata</i> (Staeger, 1840)	Chandler, 1994
<i>Sciophila muglolutea</i> Bechev & Koç, 2006	Bechev & Koç, 2006
<i>Sciophila turkolutea</i> Bechev & Koç, 2006	Bechev & Koç, 2006
<i>Sciophila delphis</i> Chandler in Chandler & Blasco-Zumeta, 2001	Bechev & Koç, 2006
<i>Allodia (Brachycampta) pistillata</i> (Lundström, 1911)	Chandler, 1994
<i>Anatella concava</i> Plassmann, 1990 = <i>Anatella longiflagellata</i> Caspers, 1991	Caspers, 1991
<i>Brevicornu griseicolle</i> (Staeger, 1840)	Chandler, 1994
<i>Brevicornu verralli</i> (Edwards, 1925)	Chandler, 1994
<i>Exechia fulva</i> Santos Abreu, 1920	Chandler, 1994
<i>Pseudexechia trisignata</i> (Edwards, 1913)	Chandler, 1994
<i>Rymosia cretensis</i> Lundström, 1911	Cobanoglu & Bayram, 1998
<i>Rymosia pseudocretensis</i> Burghel-Balacesco, 1966	Chandler, 1994
<i>Mycetophila ocellus</i> Walker, 1848	Chandler, 1994
<i>Mycetophila pictula</i> Meigen, 1830	Chandler, 1994
<i>Mycetophila spectabilis</i> Winnertz, 1863	Chandler, 1994
<i>Mycetophila strigatoides</i> (Landrock, 1927)	Chandler, 1994
<i>Mycetophila trinotata</i> Staeger, 1840	Chandler et al., 2005
<i>Mycetophila unicolor</i> Stannius, 1831	Chandler, 1994
<i>Phronia basalis</i> Winnertz, 1863	Chandler, 1994
<i>Phronia biarcuata</i> (Becker, 1908)	Chandler, 1994
<i>Phronia tenuis</i> Winnertz, 1863	Chandler, 1994
<i>Phronia willistoni</i> Dziedzicki, 1889 = <i>incisa</i> Caspers, 1991	Caspers, 1991; Chandler et al., 2005
<i>Sceptonia flavipuncta</i> Edwards, 1925	Chandler, 2004
<i>Sceptonia intestata</i> Plassmann & Schacht, 1990	Bechev, 1995
<i>Sceptonia membranacea</i> Edwards, 1925	Bechev, 1995
<i>Zygomomyia valida</i> Winnertz, 1863	Chandler, 1994

New faunistic data

BOLITOPHILIDAE

Bolitophila saundersi (Curtis, 1836)

Asiatic Turkey: Aydin, Bozduğan, Örentaht Köyü (37°35'N/28°20'E), 786 m, 10.04.2004, Lokalite №1296, leg. H. Koç, A. Karaman & O. Ozgül, 1 ♂.

Note: New to Turkey.

KEROPLATIDAE

Platyura marginata Meigen, 1804

Asiatic Turkey: Aydin, Kuyucak, Saricaova, Köyü (38°04'N/28°34'E), 1000 m, 07.05.2004, Lokalite №1348, leg. H. Koç, A. Karaman & O. Ozgül, 1 ♂.

Macrocera fasciata Meigen, 1804

European Turkey: Strandzha Mts., İğneada, 10.05.2006, leg. D. Bechev, 1 ♂.

Asiatic Turkey: Aydin, Kuyucak, Saricaova Köyü, 38°04' N/28°34' E, 1000 m, 07.05.2004, leg. H. Koç, A. Karaman&O. Ozgül, 1 ♂.

Note: New to Turkey.

Macrocera lutea Meigen, 1804

European Turkey: Strandzha Mts., 10 km N of Yenice, 10.06.2006, leg. D. Bechev, 1 ♂.

Note: New to Turkey.

Macrocera phalerata Meigen, 1818

European Turkey: Strandzha Mts., 5 km N of Dereköy, 11.05.2006, leg. D. Bechev, 2 ♂.

Note: New to Turkey.

MYCETOPHILIDAE

Coellosia fusca Bezzi, 1892

Asiatic Turkey: Aydin, Bozduğan, Örentaht Köyü (37°35'N/28°20'E), 786 m, 10.04.2004, Lokalite №1296, leg. H. Koç, A. Karaman & O. Ozgül, 1 ♂.

Note: New to Turkey.

Allodiopsis rustica (Edwards, 1941)

European Turkey: Strandzha Mts., 5 km N of Dereköy, 11.05.2006, leg. D. Bechev, 3 ♂.

Note: New to Turkey.

Exechia fusca (Meigen, 1804)

Asiatic Turkey: Aydin, Kuyucak, Saricaova, Köyü (38°04'N/28°34'E), 1000 m, 07.05.2004, Lokalite №1348, leg. H. Koç, A. Karaman & O. Ozgül, 1 ♂.

Mycetophila fungorum (De Geer, 1776)

Asiatic Turkey: Aydin, Bozduğan, Örentaht Köyü (37°35'N/28°20'E), 786 m, 10.04.2004, Lokalite №1296, leg. H. Koç, A. Karaman & O. Ozgül, 2 ♂, 1 ♀.
Note: New to Turkey.

Sceptonia cryptocauda Chandler, 1991

Asiatic Turkey: Aydin, Bozduğan, Örentaht Köyü (37°35'N/28°20'E), 786 m, 10.04.2004, Lokalite №1296, leg. H. Koç, A. Karaman & O. Ozgül, 2 ♂.
Note: New to Turkey.

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**ГЪБНИ КОМАРИ (DIPTERA: BOLITOPHILIDAE,
KEROPLATIDAE И MYCETOPHILIDAE)
НА ТУРЦИЯ: ПУБЛИКУВАНИ СВЕДЕНИЯ И НОВИ ДАННИ**

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(резюме)

Фауната на Турция е почти неизследвана по отношение на гъбните комари. Тук са обобщени съобщенията за установените досега 32 вида, дават се нови находища за два от тях и се съобщават 9 нови вида. С това броят известните за Турция видове гъбни комари става 41.

