

Fungus Gnats (Diptera: Bolitophilidae, Diadocidiidae, Ditomyiidae, Keroplatidae, Mycetophilidae) of the Western Rhodopes (Bulgaria)

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Abstract. This paper gives faunistic data about 91 species of fungus gnats established in the Western Rhodopes.

Key words: Diptera, Sciaroidea, fungus gnats, Western Rhodopes, Bulgaria

Introduction

The Western Rhodopes have not been studied in terms of fungus gnats by now. Of all 309 species known in Bulgaria (BECHEV, 2002; BECHEV, 2003; BECHEV, 2004) twenty eight were recorded in the investigated region. The present work gives faunistic data about all 91 species established in the Western Rhodopes.

The following information about each of the species is presented: valid taxonomic name, UTM codes and names of the localities, date and number of specimens.

Faunistic list

Bolitophilidae

Bolitophila (Bolitophila) cinerea Meigen, 1818

LG01: Smolyanski Lakes, 27.05.1996, 1♂.

Bolitophila (B.) saundersii (Curtis, 1836)

KG62: Shiroka Polyana Dam, 8.08.2000, 1♂; LG00: Smolyan, 26.05.1996, 1♂; LG03: Chudnite Mostove Hut, 8.09.1990, 1♂; LG04: Sitovo, 1.06.1981, 1♂; LG05: Akademik Hut, 17.11.1990, 1♂; Bryanovshtitsa Hut, 17.11.1990, 1♂; Dedevo, 27.05.2000, 1♂; LG25: Asenovgrad, 25.11.1990, 1♂.

***Bolitophila (B.) tenella* Winnertz, 1863**

BECHEV, 2001: KG62: Shiroka Polyana Dam, 8.08.2000, 1 ♂.

***Bolitophila (Cliopisa) pseudohybrida* Landrock, 1912**

LG03: Chudnite Mostove Hut, 8.10.1990, 1 ♂.

Diadocidiidae

***Diadocidia (Adidocidia) valida* Mik, 1874**

KG53: Golyam Beglik Dam, 31.07.1988, 1 ♀.

***Diadocidia (Diadocidia) ferruginosa* (Meigen, 1830)**

KG80: Trigrad, 1.08.1988, 1 ♂; LG04: Lilkovo, 27.08.1990, 1 ♂; LG05: Hrabrino, 1.09.1989, 1 ♂; LG32: Zagrazhden, 8.06.1990, 1 ♂; Kormisosh, 11.07.1991, 1 ♂.

***Diadocidia (D.) spinosula* Tollet, 1948**

GM34: Krastava, 13.08.1991, 1 ♂; KG62: Shiroka Polyana Dam, 8.08.2000, 1♂; KG80: Trigrad, 1.08.1988, 1 ♂; LG03: Chudnite Mostove Hut, 8.09.1990, 1 ♂; LG04: Lilkovo, 1.09.1989, 2 ♂♂; Zdravets Hut, 10.06.2000, 1 ♂.

Ditomyiidae

***Ditomyia fasciata* (Meigen, 1818)**

LG32: Zagrazhden, 8.06.1990, 1 ♂; Kormisosh, 11.07.1991, 1 ♂.

Keroplastidae

Keroplastinae

Orfeliini

***Antlemon (Antlemonopsis) brevimanum* (Loew, 1871)**

GM34: Krastava, 27.08.1991, 1 ♂; 16.09.1991, 1 ♂; LG03: Persenk, 11.08.1996, 1 ♂; Chudnite Mostove Hut, 12.08.1996, 3 ♂♂; LG04: Lilkovo, 27.08.1990, 1 ♂; Sitovo, 27.08.1990, 2 ♂♂.

***Macrorrhyncha collarti* (Tollet, 1955)**

BECHEV, 1992: LG04: Lilkovo, 27.08.1990, 2 ♂♂.

GM34: Krastava, 31.08.1992, 1 ♂.

***Orfelia fasciata* (Meigen, 1804)**

GM34: Krastava, 25.07.1994, 1 ♂.

***Orfelia nemoralis* (Meigen, 1818)**

LG24: Martsiganitsa Hut, 15.06.1993, 1 ♂.

***Orfelia tristis* (Lundström, 1911)**

LG05: Hrabrino, 21.05.2000, 1 ♂; Dedevo, 27.05.2000, 1 ♂; LG25: Asenovgrad, 19.06.1992, 2 ♂♂.

***Orfelia unicolor* (Staeger, 1840)**

GM34: Krastava, 31.08.1991, 1 ♂; KG80: Trigrad, 1.08.1988, 1 ♂; LG02: Zabardo, 27.08.1996, 1 ♂; LG04: Sitovo, 27.08.1990, 1 ♂; Lilkovo, 27.08.1990, 3 ♂♂.

***Platyura marginata* Meigen, 1804**

BECHEV, 1991: LG32: Zagrazhden, 8.06.1990, 9 ♂♂.
LG00: Smolyan, 26.05.1996, 1 ♂; LG04: Byala Cherkva, 24.06.2004, 1 ♀.

***Pyratula zonata* (Zetterstedt, 1855)**

LG04: Zdravets Hut, 10.06.2000, 3 ♂♂; LG05: Hrabrino, 21.05.2000, 2 ♂♂; Izvor, 27.05.2000, 2 ♂♂; LG11: Vievo, 29.06.1992, 1 ♂; LG15: Galabovo, 20.05.2000, 4 ♂♂; LG24: Martsiganitsa Hut, 15.06.1993, 1 ♂; LG25: Asenovgrad, 11.05.1992, 1 ♂; LG32: Zagrazhden, 8.06.1990, 3 ♂♂.

***Urytalpa ochracea* (Meigen, 1818)**

BECHEV, 2001: LG04: Byala Cherkva, 26.06.1990, 1 ♂.

***Urytalpa rhapsodica* Chandler, 1995**

BECHEV, 2001: LG03: Persenk, 29.08.1991, 1 ♂.

Macrocerinae***Macrocera anglica* Edwards, 1925**

LG05: Hrabrino, 21.05.2000, 1 ♂; LG32: Kormisosh, 11.07.1991, 1 ♂.

***Macrocera centralis* Meigen, 1818**

GM34: Krastava, 2.08.1992, 1 ♂; LG03: Chudnite Mostove Hut, 18.08.1999, 1 ♂; LG05: Hrabrino, 9.05.1998, 1 ♂; 21.05.2000, 1 ♂; LG15: Kuklen, 20.05.2000, 1 ♂.

***Macrocera fasciata* Meigen, 1804**

GM34: Krastava, 8.08.1991, 1 ♂; LG04: Sitovo, 27.08.1999, 1 ♂; LG05: Hrabrino, 1.06.1981, 1 ♂; Izvor, 27.05.2000, 1 ♂; Dedevo, 27.05.2000, 1 ♂; LG24: Bachkovo, 24.05.1993, 1 ♂; LG32: Kormisosh, 11.07.1991, 3 ♂♂.

***Macrocera fastuosa* Loew, 1869**

LG05: Boykovo, 13.09.2000, 1 ♂; LG32: Kormisosh, 11.07.1991, 1 ♀.

***Macrocera inversa* Loew, 1869**

LG04: Zdravets Hut, 10.06.2000, 1 ♂.

***Macrocera kerteszi* Lundström, 1911**

BECHEV, 1996b: LG05: Hrabrino, 6.06.1991, 1 ♂; LG25: Asenovgrad, 18.06.1992, 1 ♂.
LG15: Kuklen, 20.06.1997, 1 ♂.

***Macrocera lutea* Meigen, 1804**

GM34: Krastava, 2.08.1992, 1 ♂; LG04: Sitovo, 27.08.1998, 2 ♂♂; Zdravets Hut, 26.06.1999, 5 ♂♂; LG05: Izvor, 27.05.2000, 1 ♂; Boykovo, 10.06.2000, 1 ♂; LG32: Kormisosh, 11.07.1991, 1 ♂.

***Macrocera nigricoxa* Winnertz, 1863**

LG32: Kormisosh, 11.07.1991, 1 ♂.

***Macrocera phalerata* Meigen, 1818**

LG02: Zabardo, 12.08.1996, 1 ♂; LG03: Chudnite Mostove Hut, 18.08.1999, 1 ♂; LG04: Lilkovo, 1.09.1989, 3 ♂, 1 ♀; LG05: Hrabrino, 1.09.1989, 1 ♂; 6.06.1991, 1 ♂; 21.05.2000, 1 ♂; Izvor, 27.05.2000, 2 ♂♂; Boykovo, 15.08.2000, 2 ♂♂; LG15: Kuklen, 20.05.2000, 1 ♂; Galabovo, 20.05.2000, 1 ♂; LG25: Asenovgrad, 19.06.1992, 6 ♂; LG32: Kormisosh, 11.07.1991, 1 ♀.

***Macrocera stigma* Curtis, 1837**

LG04: Zdravets Hut, 26.06.1999, 2 ♂♂; LG05: Boykovo, 15.08.2000, 3 ♂♂.

***Macrocera stigmoides* Edwards, 1925**

KG53: Golyam Beglik Dam, 31.07.1988, 1 ♂; LG03: Persenk, 7.08.1996, 1 ♂; LG04: Zdravets Hut, 26.06.1999, 1 ♂; LG15: Galabovo, 20.05.2000, 1 ♂; LG32: Zagrazhden, 8.06.1990, 1 ♂.

***Macrocera vittata* Meigen, 1830**

GM34: Krastava, 2.08.1992, 1 ♂; KG62: Shiroka Polyana Dam, 8.08.2000, 2 ♂; LG32: Zagrazhden, 10.06.1991, 1 ♂.

Mycetophilidae

Gnoristinae

***Apolephtbisa subincana* (Curtis, 1837)**

BECHEV, 1994: LG04: Zdravets Hut, 13.05.1981, 1 ♂; Sitovo, 1.06.1981, 1 ♀.

***Boletina anderschi* (Stannius, 1831)**

LG05: Hrabrino, 5.04.1981, 20 ♂♂; 19.04.1981, 3 ♂♂, 6 ♀♀.

***Boletina lundstroemi* Landrock, 1912**

GM34: Krastava, 27.08.1991, 1 ♂.

***Boletina nigricoxa* Staeger, 1840**

LG05: Hrabrino, 5.04.1981, 1 ♂.

***Boletina pallidula* Edwards, 1925**

GM34: Krastava, 2.08.1992, 2 ♂♂.

***Boletina plana* (Walker, 1856)**

BECHEV, 1994: LG04: Sitovo, 1.06.1981, 1♂; LG05: Hrabrino, 1.06.1981, 1♂.

***Boletina trivittata* (Meigen, 1818)**

GM34: Krastava, 14.09.1991, 1 ♂; LG04: Zdravets Hut, 13.05.1981, 3 ♂♂.

***Synapba fasciata* Meigen, 1818**

BECHEV, 1991: LG05: Hrabrino, 1.06.1981, 2 ♂♂.

LG24: Bachkovski Monastery, 31.07.1992, 1 ♂.

***Tetragoneura sylvatica* (Curtis, 1837)**

GM34: Krastava, 27.08.1991, 1 ♂.

Leiinae***Docosia gilvipes* (Walker, 1856)**

GM34: Krastava, 1.08.1992, 1 ♂.

***Docosia moravica* Landrock, 1916**

LG05: Hrabrino, 1.06.1981, 2 ♂♂.

***Leia bimaculata* (Meigen, 1804)**

GM34: Krastava, 27.08.1991, 1 ♂.

***Leia cylindrica* (Winnertz, 1863)**

GM34: Krastava, 2.08.1992, 1 ♂.

***Leia picta* Meigen, 1830**

BECHEV, 1996a: GM34: Krastava, 2.08.1992, 1 ♂.

***Novakia scatopsiformis* Strobl, 1893**

GM34: Krastava, 27.08.1991, 2♂.

***Rondaniella dimidiata* (Meigen, 1804)**

GM34: Krastava, 21.07.1992, 1 ♂.

Mycetophilinae***Exechiini******Allodiopsis rustica* (Edwards, 1941)**

LG05: Hrabrino, 1.06.1981, 1 ♂.

Anatella ciliata Winnertz, 1863

LG04: Zdravets Hut, 13.05.1981, 1♂.

Brevicornu (Brevicornu) sericoma (Meigen, 1830)

GM34: Krastava, 16.09.1991, 1 ♂.

Cordyla brevicornis (Staeger, 1840)

GM34: Krastava, 30.08.1991, 1 ♂.

Cordyla fasciata Meigen, 1830

BECHEV, 1996a: GM34: Krastava, 27.08.1991, 1♂.

Cordyla fissa Edwards, 1925

BECHEV, 1996a: GM34: Krastava, 14.09.1991, 1 ♂.

LG04: Lilkovo, 1.06.1981, 1 ♂.

Cordyla nitidula Edwards, 1925

BECHEV, 1996a: GM34: Krastava, 30.08.1991, 2 ♂♂.

Exechia fulva Santos Abreu, 1920

GM34: Krastava, 8.08.1991, 1 ♂.

Exechia fusca (Meigen, 1804)

GM34: Krastava, 14.09.1991 1 ♂; LG04: Zdravets Hut, 15.05.1981, 1 ♂; LG25: Asenovgrad, 15.03.1991, 4 ♂♂, 1 ♀.

Exechia lundstroemi Landrock, 1923

LG03: Chudnite Mostove Hut, 30.08.1991, 7 ♂♂.

Exechiopsis (Exechiopsis) lackschewitziana (Stackelberg, 1948)

BECHEV, 1996a: GM34: Krastava, 14.09.1991, 1 ♂.

Exechiopsis (E.) vizzavonensis (Edwards, 1928)

LG04: Lilkovo, 1.06.1981, 1 ♂.

Tarnania fenestralis (Meigen, 1818)

LG05: Bryanovshitsa Hut, 18.11.1990, 1 ♂, 1 ♀.

Mycetophilini

Dynatosoma majus Landrock, 1912

LG04: Sitovo, 1.06.1981, 1 ♂.

Epicrypta torquata Matile, 1977

BECHEV, 1994: LG05: Hrabrino, 1.09.1989, 3♂, 1♀.

***Mycetophila alea* Laffoon, 1965**

BECHEV, 1991: LG03: Chudnite Mostove Hut, 30.08.1991, 15 ♂♂.
GM34: Krastava, 14.08.1995, 5 ♂♂; LG05: Boykovo, 14.08.1999, 1 ♂.

***Mycetophila blanda* Winnertz, 1863**

BECHEV, 1991: LG03: Chudnite Mostove Hut, 30.08.1991, 10 ♂♂.
GM34: Krastava, 21.07.1992, 2 ♂♂; 2.08.1992, 1 ♂; 17.09.1991, 2 ♂♂.

***Mycetophila caudata* Staeger, 1840**

BECHEV, 2001: LG05: Boykovo, 14.08.1999, 1 ♂.

***Mycetophila confluens* Dziedzicki, 1884**

LG05: Boykovo, 14.08.1999, 3♂.

***Mycetophila fungorum* (De Geer, 1776)**

GM34: Krastava, 13.08.1991, 3 ♂♂.

***Mycetophila luctuosa* Meigen, 1830**

BECHEV, 1991: KG94: Varhovrah Hut, 15.09.1991 5 ♂♂.
LG25: Asenovgrad, 20.03.1991, 1 ♂.

***Mycetophila marginata* Winnertz, 1863**

LG04: Zdravets Hut, 13.05.1981, 2 ♂♂, 1 ♀; Sitovo, 1.06.1981, 3 ♀♀; Lilkovo, 1.06.1985, 1 ♂; Byala Cherkva, 27.10.1994, 1 ♂.

***Mycetophila ocellus* Walker, 1848**

BECHEV, 1991: LG04: Sitovo, 1.06.1981, 1 ♂.
GM34: Krastava, 27.08.1991, 1 ♂.

***Mycetophila ornata* Stephens, 1829**

LG04: Sitovo, 1.06.1981, 2 ♂♂.

***Mycetophila sigillata* Dziedzicki, 1884**

GM34: Krastava, 27.08.1991, 3 ♂♂.

***Mycetophila signata* Meigen, 1830**

LG05: Boykovo, 14.08.1999, 1 ♂.

***Mycetophila spectabilis* Winnertz, 1863**

GM34: Krastava, 13.08.1991, 1 ♂.

***Platurocypta punctum* (Stannius, 1831)**

GM34: Krastava, 16.09.1991, 2 ♂♂, 1 ♀.

Sceptonia membranacea Edwards, 1925

BECHEV, 1994: LG03: Chudnite Mostove Hut, 7.10.1990, 1 ♂; LG05: Hrabrino, 1.06.1981, 3 ♂♂.
LG04: Lilkovo, 27.08.1990, 1♂; LG05: Hrabrino, 5.07.1990, 17♂.

Trichonta clavigera Lundström, 1913

BECHEV, 1991: LG05: Hrabrino, 1.06.1981, 8 ♂♂, 1 ♀.
LG04: Zdravets Hut, 13.05.1981, 1 ♂.

Trichonta subfusca Lundström, 1909

GM34: Krastava, 27.08.1991, 1 ♂; 16.09.1991, 2 ♂♂; LG04: Sitovo, 1.06.1981, 1 ♂.

Trichonta terminalis (Walker, 1856)

LG03: Chudnite Mostove Hut, 15.04.1981, 1 ♂.

Zygomysia pseudohumeralis Caspers, 1980

BECHEV, 1996a: LG05: Hrabrino, 1.06.1981, 3 ♂♂.

Zygomysia semifusca (Meigen, 1818)

BECHEV, 1996a: GM34: Krastava, 14.09.1991, 2 ♂♂.

Zygomysia valida Winnertz, 1863

LG05: Hrabrino, 1.06.1981, 1 ♂.

Mycomyinae

Mycomya (Mycomya) cinerascens (Macquart, 1826)

GM34: Krastava, 16.09.1991, 1 ♂.

Mycomya (M.) marginata (Meigen, 1818)

LG03: Chudnite Mostove Hut, 15.04.1981, 1 ♂; LG05: Hrabrino, 1.06.1981, 1 ♂.

Mycomya (M.) prominens (Lundström, 1913)

VÄISÄNEN, 1984: GM25: Yakoruda, 9.06.1969, 1 ♂.

Sciophilinae

Azana (Azana) anomala (Staeger, 1840)

BECHEV, 1991: LG04: Zdravets Hut, 13.05.1981, 1 ♂.

Monoclona rufilatera (Walker, 1837)

LG05: Hrabrino, 1.06.1981, 1 ♀.

Neuratelia nemoralis (Meigen, 1818)

LG04: Zdravets Hut, 13.05.1981, 1 ♂, 1 ♀.

***Paratinia sciarina* Mik, 1874**

BECHEV, 1991: LG04: Zdravets Hut, 1.06.1981, 1 ♂.

***Polylepta guttiventris* (Zetterstedt, 1852)**

GM34: Krastava, 27.08.1991, 1 ♀.

***Sciophila fenestella* Curtis, 1837**

BECHEV, 2001: LG15: Kuklen, 2.10.1999, 1 ♂.

***Speolepta leptogaster* (Winnertz, 1863)**

HAZELTON, 1970: LG24: Ivanova Voda Cave.

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**Гъбни комари (Diptera: Bolitophilidae, Diadocidiidae, Ditomyiidae,
Keroplatidae, Mucetophilidae) от Западни Родопи (България)**

Димитър БЕЧЕВ

(Резюме)

Западните Родопи са неизследвани по отношение на гъбните комари. От известните досега за България 309 вида (ВЕСНЕВ, 2002; ВЕСНЕВ, 2003; ВЕСНЕВ, 2004) само 28 са съобщавани за този район. В настоящата работа се дават фаунистични данни за 91 вида, установени в Западни Родопи.