

First Psocoptera records from Northwest Bulgaria: a case study

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Abstract. The study was carried out on the following dates - 15.6.2019 and 17.6.2019 in NW Bulgaria (Danube River Valley) from three localities: villages of Vrav and Simeonovo, and town of Kozloduy. Five widely distributed species of Psocoptera were registered: *Valenzuela flavidus* (Stephens, 1836), *Graphopsocus cruciatus* (Linnaeus, 1768), *Lachesilla pedicularia* (Linnaeus, 1758), *Ectopsocus briggsi* McLachlan, 1899 and *Ectopsocus meridionalis* Ribaga, 1904.

Key words: Northwest Bulgaria, Insecta, new records

Introduction

The region of Northwest Bulgaria was never studied according to the Psocoptera fauna. In this short note we provide the first data for this area.

Material and Methods

The study was carried out on 15.6.2019 and 17.6.2019 in NW Bulgaria from three localities. The barkflies were collected by beating the vegetation above white plastic container and sweep netting of vegetation. Specimens were then stored in ethanol and after processing, deposited in the collection of the first author. After identification they were preserved in 96% ethanol. All specimens were determined by D. Georgiev. Species identifications are based on Lienhard (1998), taxonomical order and nomenclature follows Lienhard & Smithers (2002). As a supporting source, Saville (2008) was also used.

Results and Discussion

Five widely distributed species of Psocoptera were registered:

Caeciliusidae

Valenzuela flavidus (Stephens, 1836)

Material examined: 17.6.2019, Danube River Valley, Near village of Simeonovo, mixed broad leaf forest, N43 50 24.2 E22 51 25.2, 37 m a.s.l., 1♀, collected by beating the vegetation, from *Clematis vitalba*.

Stenopsocidae***Graphopsocus cruciatus* (Linnaeus, 1768)**

Material examined: 17.6.2019, Danube River Valley, Near village of Simeonovo, mixed broad leaf forest, N43 50 24.2 E22 51 25.2, 37 m a.s.l., 2♀, collected by beating the vegetation, from various bushes.

Lachesiliidae***Lachesilla pedicularia* (Linnaeus, 1758)**

Material examined: 17.6.2019, Danube River Valley, town of Kozloduy town, Danube River Bank, a small park near the “Radetski” ship, N43 47 55 E23 40 37.1, 37 m a.s.l., 1 ♀, collected by beating the vegetation, from *Cupressus* sp.

Ectopsocidae***Ectopsocus briggsi* McLachlan, 1899**

Material examined: 15.6.2019, Danube River Valley, a small park near the “Port of Vrav village”, N44 11 39.0 E22 44 11.3, 46 m a.s.l., 2 ♀, collected by beating the vegetation, from *Cupressus* sp.

***Ectopsocus meridionalis* Ribaga, 1904**

Material examined: 17.6.2019, Danube River Valley, town of Kozloduy town, Danube River Bank, a small park near the “Radetski” ship, N43 47 55 E23 40 37.1, 37 m a.s.l., 2 ♀, collected by beating the vegetation, from *Cupressus* sp.

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