Bulletin of the Natural History Museum - Plovdiv

Bull. Nat. Hist. Mus. Plovdiv, 2025, vol. 10: 17-23
https://doi.org/10.65437/bnhmp.10.1.2

Psocodea (Insecta) reports from the Upper Thracian Lowland: published data and new records

Dilian G. Georgiev[1, 2, *], Vassil K. Genchev[3]

[1]Department of General Animal Husbandry, Section Ecology, Faculty of Veterinary Medicine, Trakia University – Stara Zagora, 6000 Stara Zagora, BULGARIA
[2]Department of Ecology and Environmental Conservation, Faculty of Biology, Plovdiv University "Paisii Hilendarski", 24 Tzar Assen Str., 4000 Plovdiv, BULGARIA,
*E-mail: diliangeorgiev@uni-plovdiv.bg, dilyan.georgiev@ trakia-uni.bg
https://orcid.org/0000-0003-2885-4895
[3]Bulgarian Society for the Protection of Birds, Plovdiv, BULGARIA

Abstract. This study presents an updated overview of the Psocodea (Insecta) fauna of the Upper Thracian Lowland in Southern Bulgaria, based on both published records and new field collections from 2017 to 2025. A total of 26 species were documented, 18 of which are new for the region. Specimens were collected from a variety of natural and human-modified habitats, including riparian forests, mixed deciduous woodlands, conifer plantations, and urban environments.

Keywords: lowlands, psocids, diversity, species, habitats

Introduction

The Psocodea (barkflies or booklice) are a small but ecologically significant group of insects, playing a key role in the decomposition of organic matter in forest ecosystems. Despite their importance, the knowledge of Psocodea diversity in Bulgaria (a total of 73 species known: Georgiev, 2020, 2022, Georgiev *et al.*, 2024), particularly in the Upper Thracian Lowland, remains fragmented.

The aim of the present study is to summarize the available published information and to provide new data on the psocids of the Upper Thracian Lowland.

Material and methods

Barkflies were collected irregularly between 2017 and 2025 from different habitats and localities of the Upper Thracian Lowland, Southern Bulgaria. Sieving of leaf litter and beating the vegetation were mainly used. The material was preserved in 96% ethanol and examined in the laboratory. Species identifications were based mainly on Lienhard (1998). A review of all published data was made and information was summarized (Georgiev, 2017a, b, 2018).

Results

A total of 26 species are known from the Upper Thracian Lowland, from which 18 were new records to the area. The species were collected across a range of habitats, including floodplain forests (*Salix*, *Ulmus*), mixed deciduous forests (*Quercus*, *Carpinus*, *Acer*), conifer plantations (*Pinus nigra*), shrublands near agricultural land, and urban environments. The greatest species richness was observed in riparian and mixed forests.

Trogiidae

***Lepinotus reticulatus* Enderlein, 1905**

Reported by Georgiev (2018): "Plovdiv, Trihalmie Hill, near the Faculty

of Biology, Plovdiv University, detritus beneath *Robinia pseudoacacia* L. and *Celtis australis* L., N42 08 51.84 E24 45 1.2, 150 m a. s. l., 06.04.2017, 7♀, 3 nymphs."

New material examined: 30.04.2017, Kovach vill., river bank forest (*Salix* sp., *Ulmus* sp.) near water source, N42 17 47.5 E25 50 47.9, 128 m a. s. l., 1♀, from a trunk of *Salix* sp., collected by sieving; 14.09.2021, between Kalitinovo and Preslaven villages, mixed broadleaf forest (*Acer*, *Ulmus*, *Carpinus*), N42 25 00.6 E25 44 35.9, 138 m a. s. l., 1♀, from detritus of leaves and grasses, collected by sieving; 17.11.2021, NE of Pamukchii vill., *Quercus* sp. forest, N42 19 19.9 E25 39 26.7, 131 m a. s. l., 1♀, from dry branches with leaves, collected by beating the vegetation; 25.11.2021, E of Plodovitovo vill., mixed forest (*Quercus* sp., *P. nigra*), 1♀, from *P. nigra*, collected by beating the vegetation; 01.09.2024, Yagodovo vill., N42 05 47.4 E24 51 22.0, 164 m a. s. l., 3 ♀.

***Lepinotus inquilinus* Heyden, 1850**

Reported by Georgiev (2017a): "28.4.2017, north of Lyubenovo vill., bank of Sazliyka river, flood forest of *Salix* sp., among small pieces of wood and detritus deposited by waters at the base of a willow, N42 12 33.2 E25 56 01.3, 99 m a. s. l., 2 ♀, coll. by sieving."

Psyllipsocidae

***Dorypteryx domestica* (Smithers, 1958)**

Reported by Georgiev (2018): "Plovdiv, Kyuchuk Parizh district, apartment in a block of flats, on wall behind a dresser, N42 07 30.27 E24 44 17.15, 120 m a. s. l., 29.08.2017, 1 nymph; Plovdiv, the library of the Regional Natural History Museum of Plovdiv, on a wall, N42 07 30.27 E24 44 17.15, 120 m a. s. l., 29.08.2017, 1 ♀."

***Psyllipsocus ramburii* Selys-Longchamps, 1872**

Reported by Georgiev (2018): "Plovdiv, the library of the Regional Natural History Museum of Plovdiv, on a wall, N42 07 30.27 E24 44 17.15, 120 m a. s. l., 29.08.2017, 1 ♀".

Liposcelididae

***Liposcelis decolor* (Pearman, 1925)**

Reported by Georgiev (2017b): "22.02.2017, Bulgaria, Upper Thracian Lowland, Plovdiv City, The attic of the Regional Natural History Museum – Plovdiv, beneath entomological boxes, N42° 8' 56.55" E24° 44' 34.34", 4 dead, dry specimens, D. Georgiev leg., det., coll.", and Georgiev (2018): "Plovdiv, Kyuchuk Parizh district, apartment in a block of flats, on wall behind a dresser, N42 07 30.27 E24 44 17.15, 120 m a. s. l., 29.08.2017, 1 ♀".

New material examined: 01.09.2024, Yagodovo vill., N42 05 47.4 E24 51 22.0, 164 m a. s. l., 3 ♀.

***Liposcelis corrodens* (Heymons, 1909)**

Reported by Georgiev (2017b): "22.02.2017, Bulgaria, Upper Thracian Lowland, Plovdiv City, The attic of the Regional Natural History Museum – Plovdiv, beneath entomological boxes, N42° 8' 56.55" E24° 44' 34.34", 1 dead, dry specimen, D. Georgiev leg., det., coll."

***Liposcelis bostrychophila* Badonnel, 1931**

Reported by Georgiev (2017a): "28.4.2017, north of Lyubenovo vill., bank of Sazliyka river, flood forest of *Salix* sp., among small pieces of wood and detritus deposited by waters at the base of a willow, and under bark of a willow trunk, N42 12 33.2 E25 56 01.3, 99 m a. s. l., 3 ♀, coll. by sieving", and Georgiev (2018): "Plovdiv, bank of Maritsa River

near Grebna Baza, flood forest, under bark of *Sambucus* sp., N42 09 08.7 E24 43 08.1, 166 m a. s. l., 18.05.2017, 1 ♀; Plovdiv, Bunardzhik Tepe Hill, broadleaf park forest, under bark of *Fraxinus* sp., N42 08 42.9 E24 44 18.1, 199 m a. s. l., 29.08.2017, 1♂."

***Liposcelis pearmani* Lienhard, 1990**

Material examined: 30.04.2017, Kovach vill., river bank forest (*Salix* sp., *Ulmus* sp.) near water source, N42 17 47.5 E25 50 47.9, 128 m a. s. l., 2♀, from a trunk of *Salix* sp., collected by sieving; 11.9.2021, north of Trilistnik vill., near Stryama River, bushes and trees at river bank, N42 12 47.0 E24 51 49.4, 166 m a. s. l., 1♀, from dry branches with leaves of *Salix* sp. and *Rubus* sp., collected by beating the vegetation.

***Liposcelis priesneri* Enderlein, 1925**

Material examined: 17.11.2021, NE of Pamukchii vill., *Quercus* sp. forest, N42 19 19.9 E25 39 26.7, 131 m a. s. l., 1♀, from dry branches with leaves, collected by beating the vegetation.

***Liposcelis rufa* Broadhead, 1950**

Material examined: 14.09.2021, between Kalitinovo and Preslaven villages, mixed broadleaf forest (*Acer*, *Ulmus*, *Carpinus*), N42 25 00.6 E25 44 35.9, 138 m a. s. l., 1♀, from a dry branch, collected by beating the vegetation; 25.11.2021, E of Plodovitovo vill., mixed forest (*Quercus* sp., *P. nigra*), 2♀, from *P. nigra*, collected by beating the vegetation.

Caeciliusidae

***Valenzuela flavidus* (Stephens, 1836)**

Material examined: 17.06.2024, Yagodovo vill., N42 06 38.5 E24 51 03.6, 159 m a. s. l., 1♀; 13.06.2025, near Yagodovo vill., bushes, N42 07 33.6 N24 50 34.8, 154 m a. s. l., from various bushes, 1♀, collected by beating the vegetation.

***Valenzuela piceus* (Kolbe, 1882)**

Material examined: 14.11.2021, E of Byal Izvor vill., *P. nigra* forest, N42 09 36.5 E25 38 43.7, 135 m a. s. l., 2♀, from dry branches with leaves of *P. nigra*, collected by beating the vegetation.

Stenopsocidae

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

Material examined: 20.05.2021, East of Stara Zagora city, between agricultural lands and shrubs, N42 26 02.7 E25 42 24.4, 170 m a. s. l., 1♀, from *Prunus cerasifera* Ehrh., collected by beating the vegetation; 14.09.2021, between Kalitinovo and Preslaven villages, mixed broadleaf forest (*Acer*, *Ulmus*, *Carpinus*), N42 25 00.6 E25 44 35.9, 138 m a. s. l., 1♀, from *Acer tataricum* L., collected by beating the vegetation; 15.09.2021, north of Gorno Botevo vill., scrubs and trees between agricultural lands (*Prunus spinosa* L., *P. cerasifera*, *Rubus* sp., *Ulmus* sp.), N42 26 00.0 E25 47 50.9, 129 m a. s. l., 1♀, from dry branches with leaves of *Juglans regia* L., collected by beating the vegetation; 19.10.2021, west of Han Asparuhovo vill., broadleaf trees and shrubs at the boundaries of agricultural lands, N42 26 36.4 E25 50 20.3, 94 m a. s. l., 4♀, from *P. cerasifera*, collected by beating the vegetation; 07.11.2021, E of Trankovo vill., pasture lands near a small river (Dunda River) with very few bushes and trees, N42 17 19.2 E25 49 37.9, 141 m a. s. l., 1♂, from *Carpinus betulus* L., collected by beating the vegetation; 09.11.2021, south of Topolyane vill., along Sazliyka River, river bank forest of *Salix* sp. with scrubs, N42 17 46.8 E25 52 11.9, 102 m a. s. l.,

1♂, 1♀, from dry branches with leaves of *Salix* sp., collected by beating the vegetation; 14.11.2021, E of Byal Izvor vill., *P. nigra* forest, N42 09 36.5 E25 38 43.7, 135 m a. s. l., 1♂, from dry branches with leaves of *P. nigra*, collected by beating the vegetation; 17.11.2021, NE of Pamukchii vill., *Quercus* sp. forest, N42 19 19.9 E25 39 26.7, 131 m a. s. l., 2♂, 10♀, from dry branches with leaves, collected by beating the vegetation; 25.11.2021, E of Plodovitovo vill., bushes, N42 10 43.9 E25 13 21.5, 112 m a. s. l., 1♀, from *Quercus* sp., collected by beating the vegetation; 02.12.2021, S of Dinkata vill., N bank of Topolnitsa River, scattered *Salix* sp. bushes and trees, N42 16 56.4 E24 13 30.2, 220 m a. s. l., 5♀, from dry branches with leaves of *Salix* sp., collected by beating the vegetation; 05.12.2021, near Yastrebovo vill., *Quercus* sp. forest, N42 17 14.8 E25 39 45.0, 160 m a. s. l., 4♂, 3♀, from dry and live branches of *Quercus* sp., collected by beating the vegetation; 28.05.2022, Bozduganovska Koriya forest, *Quercus* sp., *Fraxinus* sp. and *C. betulus* forest, N42 22 17.9 E25 44 30.0, 126 m a. s. l., 1♀, from *P. cerasifera*, collected by beating the vegetation; 27.04.2024, Yagodovo vill., N42 07 33.6 N24 50 34.8, 154 m a. s. l., 3♀.

Amphipsocidae

***Kolbia quisquiliarum* Bertkau, 1882**

Material examined: 25.10.2024, Yagodovo vill., N42 07 33.6 E24 50 34.8, 154 m a. s. l., 1♀.

Lachesillidae

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

Material examined: 11.9.2021, north of Trilistnik vill., near Stryama river, bushes and trees at river bank, N42 12 47.0 E24 51 49.4, 166 m a. s. l., 1 ♀, from dry branches with leaves of *Salix* sp. and *Rubus* sp., collected by beating the vegetation; 19.10.2021, west of Han Asparuhovo vill., broadleaf trees and shrubs at the boundaries of agricultural lands, N42 26 36.4 E25 50 20.3, 94 m a. s. l., 3♀, from dry branches with leaves of *Carpinus* sp., collected by beating the vegetation; 09.11.2021, south of Topolyane vill., along Sazliyka river, river bank forest of *Salix* sp. with scrubs, N42 17 46.8 E25 52 11.9, 102 m a. s. l., 1♀, from dry branches with leaves of *Salix* sp., collected by beating the vegetation (found dead and dry); 19.09.2024, Yagodovo vill., N42 05 47.4 E24 51 22.0, 164 m a. s. l., 3 ♀, 01.10.2024, same locality, 1 ♂, 1 ♀.

***Lachesilla quercus* (Kolbe, 1880)**

Material examined: 14.09.2021, between Kalitinovo and Preslaven villages, mixed broadleaf forest (*Acer*, *Ulmus*, *Carpinus*), N42 25 00.6 E25 44 35.9, 138 m a. s. l., 1 ♀, from dry branches with leaves of *Acer campestre* L., collected by beating the vegetation; 18.09.2021, south of Kolena vill., near Kumurdzha river, bushes and trees near stream, N42 26 50.1 E25 45 10.7, 187 m a. s. l., 1♀, from dry branches with leaves of *Ulmus* sp., collected by beating the vegetation; 17.11.2021, NE of Pamukchii vill., *Quercus* sp. forest, N42 19 19.9 E25 39 26.7, 131 m a. s. l., 4♀, from dry branches with leaves, collected by beating the vegetation; 25.11.2021, E of Plodovitovo vill., mixed forest (*Quercus* sp., *P. nigra*), 1♀, from *Quercus* sp., collected by beating the vegetation; 17.06.2024, Yagodovo vill., yard of a house, N42 06 38.5 E24 51 03.6, 159 m a. s. l., 4 ♀; 07.01.2025, same locality, from dry leaves on the ground, 1 ♀.

***Lachesilla bernardi* Badonnel, 1938**

Material examined: 15.09.2021, north of Gorno Botevo vill., scrubs and trees between agricultural lands (*P. spinosa*, *P. cerasifera*, *Rubus* sp., *Ulmus* sp.),

N42 26 00.0 E25 47 50.9, 129 m a. s. l., 2♂, 2♀, from dry branches with leaves of *J. regia*, collected by beating the vegetation; 17.11.2021, NE of Pamukchii vill., *Quercus* sp. forest, N42 19 19.9 E25 39 26.7, 131 m a. s. l., 1♀, from dry branches with leaves, collected by beating the vegetation; 28.05.2022, Bozduganovska Koriya forest, *Quercus* sp., *Fraxinus* sp. and *C. betulus* forest, N42 22 17.9 E25 44 30.0, 126 m a. s. l., 2♂, from dry stems with seeds of *Arctium lappa* L., collected by beating the vegetation; 22.03.2025, Yagodovo vill., yard of a house, N42 06 38.5 E24 51 03.6, 159 m a. s. l., from dry leaves on the ground, 2♂, collected by hand; 31.05.2025, near Yagodovo vill., bushes, N42 07 33.6 E24 50 34.8, 154 m a. s. l., from old cloth on the ground, 4♀, collected by hand; 09.06.2025, near Yagodovo vill., bushes, N42 05 47.4 E24 51 22.0, 164 m a. s. l., from old cloth on the ground, 2♀, collected by hand.

Ectopsocidae

***Ectopsocus briggsi* McLachlan, 1899**

Material examined: 09.11.2021, south of Topolyane vill., along Sazliyka river, river bank forest of *Salix* sp. with scrubs, N42 17 46.8 E25 52 11.9, 102 m a. s. l., 1♂, from dry branches with leaves of *Salix* sp., collected by beating the vegetation; 14.11.2021, E of Byal Izvor vill., *P. nigra* forest, N42 09 36.5 E25 38 43.7, 135 m a. s. l., 1♀, from dry branches with leaves of *P. nigra*, collected by beating the vegetation; 17.11.2021, NE of Pamukchii vill., *Quercus* sp. forest, N42 19 19.9 E25 39 26.7, 131 m a. s. l., 1♂, from dry branches with leaves, collected by beating the vegetation; 05.12.2021, near Yastrebovo vill., *Quercus* sp. forest, N42 17 14.8 E25 39 45.0, 160 m a. s. l., 2♂, 1♀, from dry branches with leaves of *Quercus* sp., collected by beating the vegetation.

***Ectopsocus meridionalis* Ribaga, 1904**

Material examined: 17.11.2021, NE of Pamukchii vill., *Quercus* sp. forest, N42 19 19.9 E25 39 26.7, 131 m a. s. l., 1♀, from dry branches with leaves, collected by beating the vegetation.

***Ectopsocus petersi* Smithers, 1978**

Material examined: 23.05.2021, north of Gorno Botevo vill., broadleaf trees and shrubs at the boundaries of agricultural lands planted with *Triticum aestivum* L., N42 26 47.8 E25 46 31.8, 167 m a. s. l., 4♀, 2♂, from *Cupressus* sp., 1♂, from *Quercus* sp., collected by beating the vegetation; 23.05.2021, north of Gorno Botevo vill., broadleaf trees and shrubs at the boundaries of agricultural lands planted with *T. aestivum*, from branches of *P. spinosa*, N42 26 41.8 E25 46 11.2, 158 m a. s. l., 1♂, collected by beating the vegetation; 14.09.2021, between Kalitinovo and Preslaven villages, mixed broadleaf forest (*Acer*, *Ulmus*, *Carpinus*), N42 25 00.6 E25 44 35.9, 138 m a. s. l., 1♀, from dry branches with leaves of *A. campestre*, collected by beating the vegetation; 15.09.2021, north of Gorno Botevo vill., scrubs and trees between agricultural lands (*P. spinosa*, *P. cerasifera*, *Rubus* sp., *Ulmus* sp.), N42 26 00.0 E25 47 50.9, 129 m a. s. l., 1♀, from dry branches with leaves of *J. regia*, collected by beating the vegetation; 18.09.2021, south of Kolena vill., near Kumurdzha river, bushes and trees near stream, N42 26 50.1 E25 45 10.7, 187 m a. s. l., 1♂, from dry branches with leaves of *Ulmus* sp., collected by beating the vegetation; 19.10.2021, west of Han Asparuhovo vill., broadleaf trees and shrubs at the boundaries of agricultural lands, N42 26 36.4 E25 50 20.3, 94 m a. s. l., 4♀, from dry branches with leaves of *Carpinus* sp., collected by beating the vegetation; 19.10.2021, west of Han Asparuhovo vill., mixed broadleaf forest (*C. betulus*, *P. cerasifera Acer* spp., *Quercus* spp.), N42 26 26.8 E25 49 52.1, 78 m a. s. l., 2♂, from dry branches with leaves of *C. betulus*., 1♀,

from *Ulmus* sp., collected by beating the vegetation; 07.11.2021, E of Trankovo vill., pasture lands near a small river (Dunda river) with very few bushes and trees, N42 17 19.2 E25 49 37.9, 141 m a. s. l., 1♂, from *C. betulus*, collected by hand; 09.11.2021, south of Topolyane vill., along Sazliyka river, river bank forest of *Salix* sp. with scrubs, N42 17 46.8 E25 52 11.9, 102 m a. s. l., 6♂, 4♀, from dry branches with leaves of *Salix* sp., collected by beating the vegetation; 17.11.2021, NE of Pamukchii vill., *Quercus* sp. forest, N42 19 19.9 E25 39 26.7, 131 m a. s. l., 2♂, 7♀, from dry branches with leaves, collected by beating the vegetation; 02.12.2021, S of Dinkata vill., N bank of Topolnitsa river, scattered *Salix* sp. bushes and trees, N42 16 56.4 E24 13 30.2, 220 m a. s. l., 3♀, from dry branches with leaves of *Salix* sp., collected by beating the vegetation; 05.12.2021, near Yastrebovo vill., *Quercus* sp. forest, N42 17 14.8 E25 39 45.0, 160 m a. s. l., 4♂, 6♀, from dry and live branches of *Quercus* sp., collected by beating the vegetation; 28.05.2022, Bozduganovska Koriya forest, *Quercus* sp., *Fraxinus* sp. and *C. betulus* forest, N42 22 17.9 E25 44 30.0, 126 m a. s. l., 1♂, from dry branches, collected by beating the vegetation; 28.03.2024, N of Yagodovo vill., bushes near a canal, N42 07 33.6 E24 50 34.8, 153 m a. s. l., 1♂; 08.04.2024, Yagodovo vill., yard of a house, N42 06 38.5 E24 51 03.6, 159 m a. s. l., 2 ♂, 7 ♀; 17.06.2024, Yagodovo vill., N42 06 38.5 E24 51 03.6, 159 m a. s. l., 2 ♂; 04.07.2024, Yagodovo vill., N42 05 47.4 E24 51 22.0, 164 m a. s. l., 1♂, 1♀; 07.01.2025, Yagodovo vill., yard of a house, N42 06 38.5 E24 51 03.6, 159 m a. s. l., from dry leaves on the ground, 2♀, collected by hand.

***Ectopsocus vachoni* Badonnel, 1945**

Material examined: 17.11.2021, NE of Pamukchii vill., *Quercus* sp. forest, N42 19 19.9 E25 39 26.7, 131 m a. s. l., 1♀, from dry branches with leaves, collected by beating the vegetation; 07.01.2025, Yagodovo vill., yard of a house, N42 06 38.5 E24 51 03.6, 159 m a. s. l., 2♀, from dry leaves on the ground, collected by hand; 18.05.2025, near Yagodovo vill., bushes, N42 05 47.4 E24 51 22.0, 164 m a. s. l., 2♀, from old cloth on the ground, collected by hand; 09.06.2025, same data, 1♀; 13.06.2025, near Yagodovo vill., bushes, N42 07 33.6 N24 50 34.8, 154 m a. s. l., from various bushes, 2♀, collected by beating the vegetation.

Elipsocidae

***Cuneopalpus cyanops* (Rostock, 1876)**

Material examined: 14.11.2021, E of Byal Izvor vill., *P. nigra* forest, N42 09 36.5 E25 38 43.7, 135 m a. s. l., 1♀, from dry branches with leaves of *P. nigra*, collected by beating the vegetation; 25.11.2021, E of Plodovitovo vill., mixed forest (*Quercus* sp., *P. nigra*), 3♀, from *P. nigra*, collected by beating the vegetation.

***Elipsocus moebiusi* Tetens, 1891**

Material examined: 23.05.2021, north of Gorno Botevo vill., broadleaf trees and shrubs at the boundaries of agricultural lands planted with *T. aestivum*, from branches of *P. spinosa*, N42 26 41.8 E25 46 11.2, 158 m a. s. l., 1♂, collected by beating the vegetation; 25.11.2021, E of Plodovitovo vill., mixed forest (*Quercus* sp., *P. nigra*), 2♂, 4♀ (1♂, 1♀ found dead), from *P. nigra* and *Paliurus spina-christi* Mill., collected by beating the vegetation.

***Hemineura dispar* Tetens, 1891**

Material examined: 25.11.2021, E of Plodovitovo vill., mixed forest (*Quercus* sp., *P. nigra*), 4♂, 4♀, from *P. nigra* and *P. spina-christi*, collected by beating the vegetation.

***Hemineura* sp.**

Material examined: 19.10.2024, Yagodovo vill., N42 06 38.5 E24 51 03.6, 159 m a. s. l., 3♂.

Psocidae

***Amphigerontia contaminata* (Stephens, 1836)**

Material examined: 28.05.2022, Bozduganovska Koriya forest, *Quercus* sp., *Fraxinus* sp. and *C. betulus* forest, N42 22 17.9 E25 44 30.0, 126 m a. s. l., 1♀, from *P. spinosa*, collected by beating the vegetation.

***Amphigerontia intermedia* (Tetens, 1891)**

Reported by Georgiev *et al.* (2024): 28.05.2022, Bozduganovska Koriya forest, *Quercus* sp., *Fraxinus* sp. and *C. betulus* forest, N42 22 17.9 E25 44 30.0, 126 m a. s. l., 1♂, from *P. spinosa*, collected by beating the vegetation.

Conclusions

The diversity of Psocodea in the Upper Thracian Lowland reflects the region's complex mosaic of habitats. Species richness was highest in riparian and mixed deciduous forests, which offer a variety of microhabitats such as moist detritus, decaying wood, and rich vegetation structure. Several species, such as *Graphopsocus cruciatus* and *Ectopsocus petersi*, were widely distributed across multiple habitat types, indicating ecological plasticity. In contrast, species like *Dorypteryx domestica* and *Liposcelis decolor* were restricted to urban and synanthropic environments, highlighting the importance of human-modified habitats as refuges for some taxa. The presence of both habitat generalists and specialists suggests a relatively stable and functionally diverse barkfly community in the region.

Acknowledgements

This study was partially supported by the National Science Fund of Bulgaria under Grant contract number KP-06/6-14.12.2022.

References

Georgiev D. 2017a. Little known and newly recorded species of Psocoptera in Bulgaria. *Ecologica Montenegrina*, 11: 74-79.

Georgiev D. 2017b. Two species from the genus *Liposcelis* Motschulsky, 1852 - New to the fauna of Bulgaria found in the building of the Natural History Museum – Plovdiv (Insecta: Psocoptera). *Bulletin of the Natural History Museum – Plovdiv*, 2: 29-30.

Georgiev D. 2018. Psocoptera records in the city of Plovdiv. *Bulletin of the Natural History Museum - Plovdiv, 2018*, Supplement, 1: 47-48.

Georgiev D. 2020. Two species of Psocoptera (Insecta) as new records to the Bulgarian fauna with a country checklist. *Historia Naturalis Bulgarica*, 41: 71-75.

Georgiev D. 2022. New records of Psocoptera species from Bulgaria. *Historia Naturalis Bulgarica*, 44(1): 1-3.

Georgiev D., Beshkov S., Nahirnić-Beshkova A. 2024. New records of Psocoptera (Insecta) from Albania, Bulgaria and Serbia. *Acta Entomologica Serbica*, 29(1): 33-36.

Lienhard C. 1998. *Psocoptères euro-méditerranées*. Faune de France 83, Fédération Francaise des Sociétés de Sciences Naturelles, Paris, 517 p.

Received: 02.07.2025
Accepted: 17.07.2025
Published: 22.07.2025