

The Psocoptera of Strandzha Mts and its Adjacent Black Sea Coast: Published Data and New Records

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Abstract. After this study a total of 33 species of psocids are known to occur in Strandzha Mts and its adjacent Black Sea coastal area. The paper reports of 25 species as already published for the area with eight new species records. All psocids were found in or at the edge of forests or scrubs with scattered trees, dominated mainly by *Quercus* or *Pinus* species.

Key words: Psocoptera, Black Sea Coast, Strandzha Mts, distribution.

Introduction

A total of 25 species were known to occur in Strandzha Mts and its adjacent Black Sea coastal areas. The first record of Psocoptera in this area was the description of *Trimerocaecilius popovi* Meinander, 1978, a species named after the outstanding Bulgarian entomologist Associate Professor Dr Alexi Popov who collected the material (Meinander, 1978). Later Georgiev (2017) added 12 species for the region, and Georgiev & Todorov (2018) 12 more. Georgiev & Todorov (2017) added a new locality of *Ectopsocus briggsi* McLachlan, 1899 near Tsarevo town. The aim of this study is to provide a synopsis of all published data and to add some new species records for Strandzha Mts and its adjacent Black Sea coastal areas in Bulgaria.

Material and Methods

A literature synopsis was made including all published data for the Psocoptera of Strandzha Mts and its adjacent

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Black Sea coastal area (all included in the Results chapter). New collections were also carried out during 2021-2022 mainly by two methods: sieving with 1 mm mesh width sieve of detritus or crushed tree bark particles above white plastic container and by beating the vegetation above white plastic container. Specimens were then stored in 96% ethanol and after processing, deposited in the collection of the author. Species identifications followed Lienhard (1998).

Results

In this study eight newly recorded species for the area were found. Now the list of Psocoptera of Strandzha Mts and its adjacent coastal area consists of 33 species as follows:

Trogiidae

Cerobasis guestfalica (Kolbe, 1880)

Published records: Georgiev (2017): "24.8.2017, Sinemorets village, yard of a

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house, branches of *Cupressus* sp., N42 03 41.1 E27 58 42.4, N42 03 36.4 E27 58 24.5, 30 m a. s. l., 1 ♀, coll. by beating the vegetation; 25.8.2017, at the estuary of Veleka River, scattered trees and shrubs, branches of *Ulmus minor*, N42 03 53.5 E27 58 18.0, at the sea level, 1 ♀, coll. by beating the vegetation; 26.8.2017, Rezovo village, yard of a house, branches of *Cupressus* sp., N41 59 05.6 E28 01 48.9, 41 m a. s. l., 2 ♀, coll. by beating the vegetation; 27.8.2017, at the vicinities of Sinemorets village, near Butamyata Beach, *Quercus* sp. forest, on the bark of living *Quercus* sp., N42 03 30.1 E27 58 49.7, 27 m a. s. l., 1 ♂, coll. by hand.”; Georgiev & Todorov (2018): “24.06.2018, 2 ♀, South Black Sea Coast, Tsarevo town, near Popski Beach, ruderal vegetation, from branches of *Cupressus* sp., N42 10 28.0 E27 50 38.4, 23 m a. s. l., collected by beating the vegetation, D. Georgiev leg.”

New records: 11.6.2021, Strandzha Mts, at the entrance of Izvora Cave, near Mladezhko village, *Fagus orientalis* and *Carpinus* spp. forest, N42 09 03.7 E27 21 26.6, 219 m a. s. l., 1 ♀, from dry branches with leaves of *Hedera helix*, collected by beating the vegetation; 03.06.2022, Strandzha Mts, S of Sredets town, *Quercus* sp. and *Pinus nigra* forest, N42 18 19.0 E27 09 17.3, 144 m a. s. l., 3 ♀, from dry branches with leaves of *P. nigra*, collected by beating the vegetation; 06.07.2022, Strandzha Mts, S of Nestinarka, Tsarevo town, *P. nigra* forest, N42 09 11.4 E27 51 59.6, 33 m a. s. l., 1 ♀, from *P. nigra*, collected by beating the vegetation; 07.07.2022, Strandzha Mts, near Ahtopol town, *P. nigra* forest, N42 05 40.5 E27 56 39.5, 30 m a. s. l., 1 ♀, from dry branches with leaves of *P. nigra*, collected by beating the vegetation.

***Lepinotus reticulatus* Enderlein, 1905**

Published records: Georgiev & Todorov (2018): “18.6.2017, 2 ♀ nymphs, South Black Sea Coast, near Sozopol town, *Pinus sylvestris* plantation, in detritus of *P. sylvestris*, N42 24 31.3 E27 41 47.9, 35 m a. s.

l., collected by sieving, D. Georgiev leg.; 25.6.2017, 1 ♀, South Black Sea Coast, near Tsarevo town, mixed forest plantation dominated by *Quercus rubra* and *Pinus* spp., under bark of live *Pinus pinaster*, collected by sieving, D. Georgiev leg.”

New records: 06.07.2022, Strandzha Mts, S of Nestinarka, Tsarevo town, *P. nigra* forest, N42 09 11.4 E27 51 59.6, 33 m a. s. l., 1 ♀, from bark of *P. nigra*, collected by sieving; 07.07.2022, Strandzha Mts, near Ahtopol town, *P. nigra* forest, N42 05 40.5 E27 56 39.5, 30 m a. s. l., 1 ♀, from dry branches *P. nigra* on the ground, collected by beating.

Liposcelididae

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

Published records: Georgiev & Todorov (2018): “27.8.2017, 1 ♀, South Black Sea Coast, near Sinemorets vill., *Quercus* sp. forest, in dead trunk of *Quercus* sp., N42 03 30.1 E27 58 49.7, 27 m a. s. l., collected by sieving, D. Georgiev leg.; 23.6.2018, 1 ♀, South Black Sea Coast, Tsarevo town, found living among dead insects in a lamp, N42 10 11.0 E27 50 21.6, 51 m a. s. l., collected by brush, D. Georgiev leg.”

New records: 06.07.2022, Strandzha Mts, S of Nestinarka, Tsarevo town, *P. nigra* forest, N42 09 11.4 E27 51 59.6, 33 m a. s. l., 1 ♀, from bark of *P. nigra*, collected by sieving; 07.07.2022, Strandzha Mts, near Ahtopol town, *P. nigra* forest, N42 05 40.5 E27 56 39.5, 30 m a. s. l., 2 ♀, from a dry trunk of *P. nigra*, collected by sieving; 09.07.2022, Strandzha Mts, banks of Nestinarska River, *Fraxinus* sp. and *Salix* sp. forest, N42 09 24.4 E27 51 23.4, 10 m a. s. l., ♀, from bark of a dry trunk, collected by sieving.

***Liposcelis pearmani* Lienhard, 1990**

Published records: Georgiev & Todorov (2018): 18.6.2017, 1 ♀ nymph, South Black Sea Coast, near Sozopol town, *Pinus sylvestris* plantation, in detritus of *P. sylvestris*, N42 24 31.3 E27 41 47.9, 35 m a. s. l., collected by sieving, D. Georgiev leg.

New records: 03.06.2022, Strandzha Mts, S of Sredets town, *Quercus* sp. and *Pinus nigra* forest, N42 18 19.0 E27 09 17.3, 144 m a. s. l., 3 ♀, from dry branches with leaves of *P. nigra*, collected by beating the vegetation.

Caeciliusidae

Valenzuela flavidus (Stephens, 1836)

Published records: Georgiev & Todorov (2018): "25.6.2017, 1 ♀, South Black Sea Coast, near Tsarevo town, mixed forest plantation dominated by *Quercus rubra* and *Pinus* spp., N42 10 21.8 E27 50 27.4, 52 m a. s. l., collected by beating the vegetation, D. Georgiev leg.; 25.8.2017, 1 ♀, South Black Sea Coast, at the estuary of Veleka River, grass and shrubs, from branches of *Ulmus minor*, N42 03 53.5 E27 58 18.0, 4 m a. s. l., collected by beating the vegetation, and 26.8.2017, 2 ♀, same area, *Fraxinus* sp. forest, found dead in a paddle, D. Georgiev leg."

Valenzuela burmeisteri (Brauer, 1876)

Published records: Georgiev & Todorov (2018): "26.6.2017, 2 ♀, South Black Sea Coast, Tsarevo town, yard of the base of Plovdiv University, park vegetation - various grass, shrubs and trees, from branches of *Cupressus* sp., N42 10 11.0 E27 50 21.6, 51 m a. s. l., collected by sweep netting, D. Georgiev leg.; 26.6.2017, 2 ♂, South Black Sea Coast, Tsarevo town, near Popski Beach, ruderal vegetation, from branches of *Cupressus* sp., N42 10 28.0 E27 50 38.4, 23 m a. s. l., collected by sweep netting, D. Georgiev leg.; 24.06.2018, 1 ♀, same locality and habitat, D. Georgiev leg."

Valenzuela piceus (Kolbe, 1882)

Published records: Georgiev & Todorov (2018): "26.6.2017, 1 ♂, South Black Sea Coast, yard of the base of Plovdiv University, park vegetation - various grass, shrubs and trees, from branches of *Cupressus* sp., N42 10 11.0 E27 50 21.6, 51 m a. s. l., collected by sweep netting, D. Georgiev leg."

Stenopsocidae

Graphopsocus cruciatus (Linnaeus, 1768)

Published records: Georgiev & Todorov (2018): 27.6.2017, 1 ♀, South Black Sea Coast, near Lisovo Dere River, *Fraxinus* sp. forest, from branches of *Fraxinus* sp., N42 09 16.0 E27 50 56.1, 13 m a. s. l., collected by sweep netting, D. Georgiev leg.; 24.8.2017, 1 ♀, South Black Sea Coast, near Sinemorets vill., broadleaf forest, from branches of *Quercus* sp., N42 03 11.1 E27 59 04.1, at the sea level, collected by beating the vegetation, D. Georgiev leg.

Stenopsocus immaculatus (Stephens, 1836)

Published records: Georgiev (2017): "27.8.2017, near the estuary of Veleka River, *Fraxinus* sp. forest, found in a paddle on a dirt road, N42 03 48.5 E27 58 11.0, 4 m a. s. l., 1 ♀."

Ectopsocidae

Ectopsocus briggsi McLachlan, 1899

Published records: Georgiev (2017): "26.6.2017, north of Popski Beach near Tsarevo town, mixed broadleaf forest, branches of *Quercus* sp., N42 10 53.7 E27 50 32.0, 9 m a. s. l., 1 ♀, coll. by beating the vegetation; 25.8.2017, south of Sinemorets village, near Lipite Beach, *Quercus* sp. forest, branches of *Quercus* sp., N42 02 46.3 E27 59 27.7, 18 m a. s. l., 2 ♂, coll. by sweep netting; 25.8.2017, north of Sinemorets village, south part of Veleka Beach, from *Phragmites australis*, N42 03 54.6 E27 58 32.1, at the sea level, 1 ♀, coll. by sweep netting."; Georgiev & Todorov (2017): "28.6.2017, South Black Sea Coast, Arapya Beach, North of Tsarevo town, caught from the leg of O. Todorov at the beach, 1 ♂, coll. by hand, O. Todorov leg., D. Georgiev det., coll."

New records: 11.6.2021, Strandzha Mts, at the entrance of Izvora Cave, near Mladezhko village, *Fagus orientalis* and

Carpinus spp. forest, N42 09 03.7 E27 21 26.6, 219 m a. s. l., 3 ♂, from dry branches with leaves of *Hedera helix*, collected by beating the vegetation; 06.07.2022, Strandzha Mts, S of Nestinarka, Tsarevo town, *P. nigra* forest, N42 09 11.4 E27 51 59.6, 33 m a. s. l., 1 ♀, from dry branches with leaves of *Quercus rubra*, collected by beating the vegetation.

***Ectopsocus meridionalis* Ribaga, 1904**

Published records: Georgiev (2017): "24.8.2017, near Butamyata Beach, south of Sinemorets village, flood forest, branches of *Acer campestre* and *Ulmus minor*, N42 03 11.1 E27 59 04.1, at the sea level, 2 ♀, coll. by beating the vegetation."

New records: 10.6.2021, Strandzha Mts, E of Malko Tarnovo town, river bank forest, near Veleka River, N42 01 40.8 E27 37 18.5, 67 m a. s. l., 1 ♀, from *Salix* sp., collected by beating the vegetation; 03.06.2022, Strandzha Mts, near Fakiyska River at Fakia vill., tall grass, bushes and trees, N42 11 21.1 E27 05 19.2, 176 m a. s. l., 1 ♀, from a pile of dry branches with leaves of *Prunus cerasifera*, collected by beating the vegetation.

***Ectopsocus petersi* Smithers, 1978**

New record for the area: 03.06.2022, Strandzha Mts, S of Sredets town, *Quercus* sp. and *Pinus nigra* forest, N42 18 19.0 E27 09 17.3, 144 m a. s. l., 1 ♂, from dry branches with leaves of *P. nigra*, collected by beating the vegetation; 05.07.2022, Strandzha Mts, near Nestinarska River, *Fraxinus* sp. and *Salix* sp. forest, N42 09 25.5 E27 51 28.7, 5 m a. s. l., 1 ♀, from dry branches with leaves, collected by beating the vegetation; 06.07.2022, Strandzha Mts, S of Nestinarka, Tsarevo town, *P. nigra* forest, N42 09 11.4 E27 51 59.6, 33 m a. s. l., 1 ♀, from dry branches with leaves of *Quercus rubra*, collected by beating the vegetation; 07.07.2022, Strandzha Mts, near Ahtopol town, *P. nigra* forest, N42 05 40.5 E27 56 39.5, 30 m a. s. l., 3 ♀, from *Crataegus* sp., collected by beating the vegetation.

Lachesillidae

***Lachesilla bernardi* Badonnel, 1938**

New record for the area: 10.6.2021, Strandzha Mts, E of Malko Tarnovo town, river bank forest, near Veleka River, N42 01 40.8 E27 37 18.5, 67 m a. s. l., 1 ♀, from *Salix* sp., collected by beating the vegetation; 03.06.2022, Strandzha Mts, near Fakiyska River at Fakia vill., tall grass, bushes and trees, N42 11 21.1 E27 05 19.2, 176 m a. s. l., 4 ♂, 5 ♀, from a pile of dry branches with leaves of *Prunus cerasifera*, collected by beating the vegetation.

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

New record for the area: 03.06.2022, Strandzha Mts, S of Sredets town, *Quercus* sp. and *Pinus nigra* forest, N42 18 19.0 E27 09 17.3, 144 m a. s. l., 1 ♀, from dry branches with leaves of *Quercus* sp., collected by beating the vegetation.

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

New record for the area: 03.06.2022, Strandzha Mts, near Fakiyska River at Fakia vill., tall grass, bushes and trees, N42 11 21.1 E27 05 19.2, 176 m a. s. l., 1 ♀, from a pile of dry branches with leaves of *Prunus cerasifera*, collected by beating the vegetation; 05.07.2022, Strandzha Mts, near Nestinarska River, *Fraxinus* sp. and *Salix* sp. forest, N42 09 25.5 E27 51 28.7, 5 m a. s. l., 1 ♂, 2 ♀, from dry branches with leaves, collected by beating the vegetation.

Peripsocidae

***Peripsocus alboguttatus* (Dalman, 1823)**

New record for the area: 03.06.2022, Strandzha Mts, near Fakiyska River at Fakia vill., tall grass, bushes and trees, N42 11 21.1 E27 05 19.2, 176 m a. s. l., 2 ♂, from a pile of dry branches with leaves of *Prunus cerasifera*, collected by beating the vegetation; 07.07.2022, Strandzha Mts, near Ahtopol town, *P. nigra* forest, N42 05 40.5 E27 56 39.5,

30 m a. s. l., 1 ♂, from *Paliurus spina-christi*, collected by beating the vegetation.

***Peripsocus didymus* Roesler, 1939**

Published records: Georgiev (2017): "27.8.2017, at the vicinities of Sinemorets village, near Butamyata Beach, *Quercus* sp. and *Carpinus betulus* forest, N42 03 27.3 E27 59 02.4, 25 m a. s. l., 1 ♂, found dead in a small stream."; Georgiev & Todorov (2018): "23 and 26.6.2018, 1 ♀, 8 ♂, South Black Sea Coast, Tsarevo town, yard of the base of Plovdiv University, park vegetation - various grass, shrubs and trees, found dead inside lamps in the park, and from white plastic collector situated below lamp, N42 10 11.0 E27 50 21.6, 51 m a. s. l., D. Georgiev leg.; 26.6.2018, 1 ♂, South Black Sea Coast, near Tsarevo town, foothills of Strandzha Mts., shrub and grass vegetation, from branches of *Crataegus* sp., N42 10 07.4 E27 50 13.4, 41 m a. s. l., collected by beating the vegetation, D. Georgiev leg."

***Peripsocus phaeopterus* (Stephens, 1836)**

Published records: Georgiev & Todorov (2018): "26.6.2017, 1 ♀, South Black Sea Coast, Tsarevo town, near Popski Beach, ruderal vegetation, from branches of *Cupressus* sp., N42 10 28.0 E27 50 38.4, 23 m a. s. l., collected by sweep netting, D. Georgiev leg.; 23.6.2018, 1 ♂, South Black Sea Coast, Tsarevo town, yard of the base of Plovdiv University, park vegetation - various grass, shrubs and trees, N42 10 11.0 E27 50 21.6, 51 m a. s. l., found dead inside a lamp in the park, D. Georgiev leg."

Pseudocaeciliidae

***Trimerocaecilius becheti* Meinander, 1978**

Published records: Georgiev & Todorov (2018): "22.6.2018, 2 ♀, South Black Sea Coast, vicinities of Tsarevo town, *Quercus rubra* plantation, on a bark of live *Q. rubra*, N42 10 13.2 E27 50 23.6, 47 m a. s. l.,

collected during night by head torch, and using a dry grass straw and saliva, O. Todorov leg."

***Trimerocaecilius popovi* Meinander, 1978**

Published records: Meinander (1978): "Bulgaria, Sinemoretz, 1968-06-15, A. Popov, *Quercus*, *Acer*; Holotype ♀; Paratypes: 1 ♂, 2 ♀♀"; Georgiev (2017): "24.8.2017, Sinemorets village, found beneath window of a hotel room, N42 03 35.5 E27 58 46.5, 13 m a. s. l., 1 ♀, found dead; 25.8.2017, south of Sinemorets village, near Lipite Beach, *Quercus* sp. forest, branches of *Quercus* sp., N42 02 46.3 E27 59 27.7, 18 m a. s. l., 1 ♂, coll. by sweep netting; 26 and 27.8.2017, at the estuary of Veleka River, *Fraxinus* sp. forest, N42 03 48.5 E27 58 11.0, at the sea level, 3 ♀, 2 ♂, found drowned in paddles, and 4 adults observed among lichens *Xanthoria* sp. on trunk of living *Fraxinus* sp.; 27.8.2017, near Sinemorets village, *Quercus* sp. forest, among lichens *Xanthoria* sp. on trunk of living *Quercus* sp., N42 03 30.1 E27 58 49.7, 27 m a. s. l., 3 adults observed and photographed."; Georgiev & Todorov (2018): "26.6.2018, 1 ♀, South Black Sea Coast, Tsarevo town, yard of the base of Plovdiv University, park vegetation - various grass, shrubs and trees, under stones, N42 10 11.0 E27 50 21.6, 51 m a. s. l., collected by brush, D. Georgiev leg.; 26.6.2018, 1 ♀, South Black Sea Coast, near Tsarevo town, foothills of Strandzha Mts., shrub and grass vegetation, from branches of *Corylus avellana*, N42 10 07.4 E27 50 13.4, 41 m a. s. l., collected by beating the vegetation, D. Georgiev leg."

Trichopsocidae

***Trichopsocus dali* (McLachlan, 1867)**

Published records: Georgiev (2017): "26.8.2017, Rezovo village, yard of a house, branches of *Cupressus* sp., N41 59 05.6 E28 01 48.9, 41 m a. s. l., 1 ♀, 1 ♂, 5 nymphs, coll. by beating the vegetation."; Georgiev &

Todorov (2018): "22.6.2018, 1 ♂, Tsarevo town, yard of the base of Plovdiv University, park vegetation – various grass, shrubs and trees, N42 10 11.0 E27 50 21.6, 51 m a. s. l., O. Todorov leg."

Philotarsidae

***Aaroniella badonneli* (Danks, 1950)**

Published records: Georgiev & Todorov (2018): "22.6.2018, 1 ♀, South Black Sea Coast, vicinities of Tsarevo town, *Quercus rubra* and *Pinus* spp. plantation, on a bark of live *Q. rubra*, N42 10 13.2 E27 50 23.6, 47 m a. s. l., collected during night by head torch, and using a dry grass straw and saliva, O. Todorov leg.; 24.6.2018, 1 ♀, same locality and habitat, collected by brush, D. Georgiev leg.; 23.6.2018, 1 ♀, South Black Sea Coast, Tsarevo town, yard of the base of Plovdiv University, park vegetation – various grass, shrubs and trees, N42 10 11.0 E27 50 21.6, 51 m a. s. l., in white plastic collector situated below lamp, and 26.6.2018, 1 ♀, same locality, under stones, collected by brush, D. Georgiev leg.; 26.6.2018, 1 ♀, South Black Sea Coast, near Tsarevo town, foothills of Strandzha Mts., shrub and grass vegetation, from branches of *Crataegus* sp., N42 10 07.4 E27 50 13.4, 41 m a. s. l., collected by beating the vegetation, D. Georgiev leg."

New records: 07.07.2022, Strandzha Mts, near Ahtopol town, *P. nigra* forest, N42 05 40.5 E27 56 39.5, 30 m a. s. l., 3 ♀, from *Paliurus spina-christi*, collected by beating the vegetation.

Elipsocidae

***Elipsocus hyalinus* (Stephens, 1836)**

Published records: Georgiev & Todorov (2018): "23.6.2018, 1 ♀, South Black Sea Coast, Tsarevo town, yard of the base of Plovdiv University, park vegetation – various grass, shrubs and trees, N42 10 11.0 E27 50 21.6, 51 m a. s. l., in white plastic collector situated below lamp, D. Georgiev leg."

***Elipsocus moebiusi* Tetens, 1891**

New record for the area: 03.06.2022, Strandzha Mts, S of Sredets town, *Quercus* sp. and *Pinus nigra* forest, N42 18 19.0 E27 09 17.3, 144 m a. s. l., 1 ♀, from dry branches with leaves of *P. nigra*, collected by beating the vegetation; 07.07.2022, Strandzha Mts, near Ahtopol town, *P. nigra* forest, N42 05 40.5 E27 56 39.5, 30 m a. s. l., 1 ♀, from the arm of the author.

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

Published records: Georgiev & Todorov (2018): "26.6.2018, 1 ♀, South Black Sea Coast, near Tsarevo town, mixed forest plantation dominated by *Quercus rubra* and *Pinus* spp., N42 10 13.2 E27 50 23.6, 47 m a. s. l., collected still living from a plastic remain full of rainwater, D. Georgiev leg."

New records: 03.06.2022, Strandzha Mts, S of Sredets town, *Quercus* sp. and *Pinus nigra* forest, N42 18 19.0 E27 09 17.3, 144 m a. s. l., 1 ♀, from dry branches with leaves of *P. nigra*, collected by beating the vegetation; 07.07.2022, Strandzha Mts, near Ahtopol town, *P. nigra* forest, N42 05 40.5 E27 56 39.5, 30 m a. s. l., 1 ♀, from *P. nigra*, collected by beating the vegetation.

Mesopsocidae

***Mesopsocus* sp.**

New record for the area: 03.06.2022, Strandzha Mts, S of Sredets town, *Quercus* sp. and *Pinus nigra* forest, N42 18 19.0 E27 09 17.3, 144 m a. s. l., 1 nymph, from dry branches with leaves of *Quercus* sp., collected by beating the vegetation.

Psocidae

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

Published records: Georgiev (2017): "18.6.2017, between Sozopol town and Ravadinovo village, mixed broadleaf forest, branches of *Ulmus* sp., N42 24 28.7 E27 41 48.6, 33 m a. s. l., 1 ♀, coll. by beating the vegetation."

***Blaste conspurcata* (Rambur, 1842)**

Published records: Georgiev (2017): "18.6.2017, between Sozopol town and Ravadinovo village, shrub land, branches of *Crataegus* sp., N42 24 28.7 E27 41 48.6, 53 m a. s. l., 1 ♀, coll. by beating the vegetation."; Georgiev & Todorov (2018): "26.6.2018, 1 ♀, South Black Sea Coast, near Tsarevo town, foothills of Strandzha Mts., shrub and grass vegetation, from branches of *Crataegus* sp., N42 10 07.4 E27 50 13.4, 41 m a. s. l., collected by beating the vegetation, D. Georgiev leg.; 26.6.2018, 1 ♀, South Black Sea Coast, Tsarevo town, yard of the base of Plovdiv University, park vegetation - various grass, shrubs and trees, N42 10 11.0 E27 50 21.6, 51 m a. s. l., found dead inside a lamp in the park, D. Georgiev leg."

New records: 03.06.2022, Strandzha Mts, S of Sredets town, *Quercus* sp. and *Pinus nigra* forest, N42 18 19.0 E27 09 17.3, 144 m a. s. l., 1 ♂, 1 ♀ from dry branches with leaves of *P. nigra*, collected by beating the vegetation.

***Loensia pearmani* Kimmins, 1941**

New record for the area: 03.06.2022, Strandzha Mts, S of Sredets town, *Quercus* sp. and *Pinus nigra* forest, N42 18 19.0 E27 09 17.3, 144 m a. s. l., 1 ♂, from dry branches with leaves of *P. nigra*, collected by beating the vegetation.

***Loensia variegata* (Latreille, 1799)**

Published records: Georgiev & Todorov (2018): "22.6.2018, 1 ♀, South Black Sea Coast, vicinities of Tsarevo town, *Quercus rubra* plantation, on a green leaf of live *Q. rubra*, N42 10 13.2 E27 50 23.6, 47 m a. s. l., collected during night by head torch, and using a dry grass straw and saliva, O. Todorov leg."

***Psococerastis gibbosa* (Sulzer, 1776)**

Published records: Georgiev (2017): "27.8.2017, near the estuary of Veleka River, *Fraxinus* sp. forest, found in a paddle on a dirt road, N42 03 48.5 E27 58 11.0, 4 m a. s. l., 2 ♀."

***Trichadenotecnum majus* (Kolbe, 1880)**

Published records: Georgiev (2017): "27.8.2017, near the estuary of Veleka River, *Fraxinus* sp. forest, found in a paddle on a dirt road, N42 03 48.5 E27 58 11.0, 4 m a. s. l., 1 ♀."

***Trichadenotecnum innuptum* Betz, 1983**

Published records: Georgiev (2017): "27.8.2017, near the estuary of Veleka River, *Fraxinus* sp. forest, on a trunk of living *Fraxinus* sp., N42 03 48.5 E27 58 11.0, 4 m a. s. l., 1 ♀, coll. by hand."

Discussion

All species were found in or at the edge of forests or scrubs with scattered trees. In this area the native forests are represented mainly by different *Quercus* spp. and *Fagus orientalis*, and tree plantations mainly of *Pinus nigra* and *Quercus rubra*. At the river bank formations the tree species *Fraxinus* sp., *Salix* sp. and *Alnus glutinosa* dominate. Very few species were found in yards and parks such as *Cerobasis guestfalica*, *Trichopsocus dali* and *Valenzuela burmeisteri*. No species were found in the open grasslands. The only species which was found in a patch of *Phragmites australis* near a small creek in a relatively open habitat was *Ectopsocus briggsi*.

Most of the specimens were associated with trees from the genera *Pinus*, *Cupressus*, *Crataegus* and *Quercus*, even with the introduced *P. pinaster* and *Q. rubra*. A few of them were found in other trees as: *Acer* sp., *Fraxinus* sp., *Salix* sp., *Ulmus* sp., *Prunus cerasifera* and *Corylus avellana*. Psocid species were collected and from bushes of *Paliurus spina-christi*.

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