

## Additions to the list of Psocoptera (Insecta) of Samothraki Island (Greece)

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**Abstract.** A new collection of Psocoptera from Samothraki Island revealed 6 species. Four of them were new records for this area. After this study the current list of barklice of the island is comprised of 13 species.

**Key-words:** biodiversity, Aegean, islands.

### Introduction

The Psocoptera species diversity of Samothraki Island was studied by Georgiev (2017). Nine species of barklice (Insecta: Psocoptera) on the island were registered. All of the species were non flying and apterous. The occurrence of more species was supposed.

In this note four species of Psocoptera are reported as new records from Samothraki.

### Material and Methods

The study was conducted during two days of collecting: 12 and 13.08.2021 at the northern coastal area of Samothraki Island at the sea level. Beating the vegetation technique was used and the specimens were stored in 96% ethanol. Species identifications and taxonomy followed Lienhard (1998).

### Results and Discussion

Four more species were added to the list of Psocoptera of Samothraki Island, and new localities of two species previously known to occur there:

#### Trogiidae

##### ***Cerobasis guestfalica* (Kolbe, 1880)**

Reported by Georgiev (2017) from four localities: hotel Kastro near Paleopoli (not working in 2021), near the road Paleopoli-Kamariotissa, Pachia Ammos Beach, and near the road Paleopoli-Hora.

New material examined: 12.8.2021, the beach of Kato Kariotes village, N40 30 30.7 E25 34 28.7, trees and bushes along a dry river bed, 1♀, from dry grasses.

##### ***Trogium pulsatorium* (Linnaeus, 1758)**

Material examined: 12.8.2021, Kato Kariotes village, N40 30 21.4 E25 34 13.4, trees and bushes, 1♀, from branches of *Cupressus* sp.

### Liposcelididae

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

Reported by Georgiev (2017) from three localities: near the road Paleopoli-Kamariotissa, above Therma and Pachia Ammos Beach.

New material examined: 12.8.2021, the beach of Kato Kariotes village, N40 30 30.7 E25 34 28.7, trees and bushes along a dry river bed, 1♀, from dry grasses.

### Stenopsocidae

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

Material examined: 12.8.2021, the beach of Kato Kariotes village, N40 30 30.7 E25 34 28.7, trees and bushes along a dry river bed, 1♂, from branches of branches of *Quercus* cf. *ilex*.

### Lachesillidae

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

Material examined: 12.8.2021, the beach of Kato Kariotes village, N40 30 30.7 E25 34 28.7, trees and bushes along a dry river bed, 2♀, from dry grasses.

### Ectopsocidae

#### ***Ectopsocus meridionalis* Ribaga, 1904**

Material examined: 13.8.2021, east of Therma village, N40 30 06.6 E25 36 31.2, maquis, 1♀, from branches of *Quercus coccifera*.

The Psocoptera fauna of Samothraki tend to be similar in numbers of species registered during other case studies - the neighbouring Thassos (13 species) (Georgiev, 2021), or the very small Amouliani (9 species) (Georgiev & Ivanova, 2019). Further detailed investigations for longer periods and during different seasons are needed to clarify the real species diversity and the distribution pathways of the barkflies on the North Aegean islands.

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