

**DISTRIBUTION OF CAMPODEA (PAUROCAMPA)
ROCASOLANOI SILVESTRI IN THE BALKANS**

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ABSTRACT: The species *Campodea (Paurocampa) rocasolanoi* Silvestri (Insecta: Endognatha, Diplura, Campodeidae) is currently known only from the Balkans.

KEY WORDS: Diplura, *Paurocampa*, Balkans, distribution

INTRODUCTION

The species of the subgenus *Paurocampa* (Insecta: Endognatha, Diplura, Campodeidae) are encountered on the Balkan Peninsula.

The first species is *Campodea (Paurocampa) suenisoni* Tuxen, 1930, which has a very wide distribution. The second is *C. (P.) rocasolanoi* Silvestri, 1932, originally described from Greece, while the third [*C. (P.) speleae* Ionescu 1955] is known from Romania.

The first of the mentioned species is common, while the other two are found more rarely.

According to IONESCU (1955), the species *C. (P.) ribauti* probably also occurs in the Balkans.

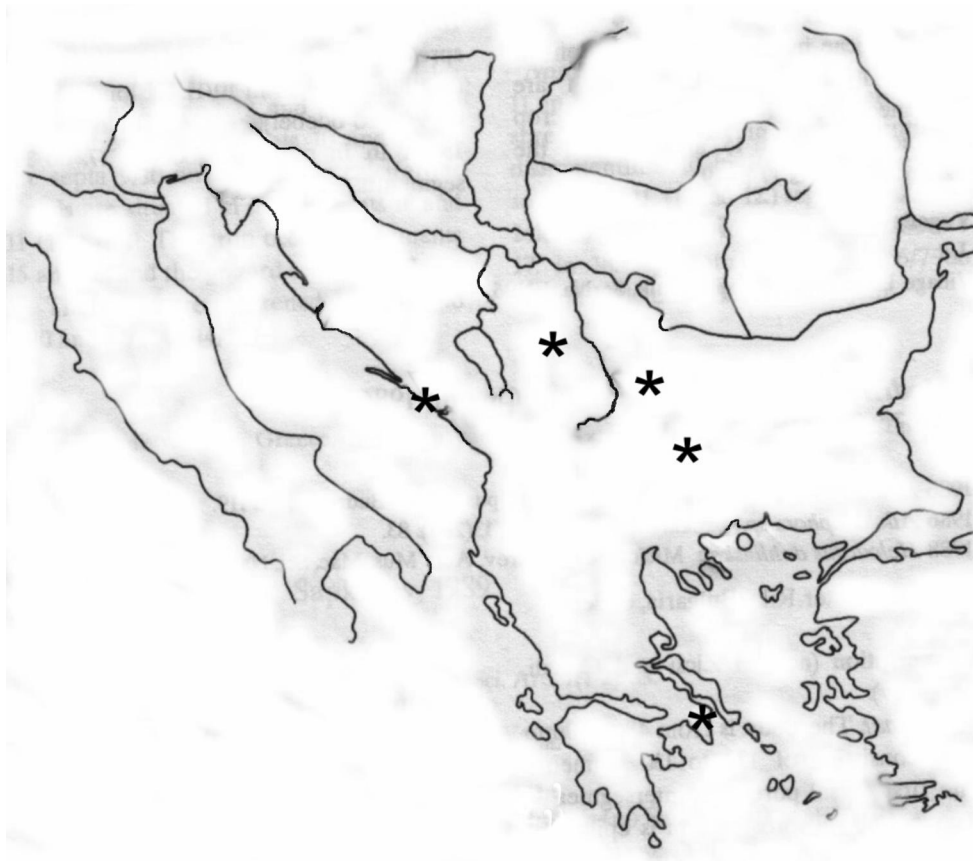


Fig.1. Distribution of *Campodea (Paurocampa) rocasolanoi* Silvestri.

MATERIAL AND METHODS

The present article is a compilation of the available literature on biodiversity of the species *Campodea (Paurocampa) rocasolanoi* on the Balkan Peninsula generated from earlier taxonomic investigations. The list of references includes the ecological articles where data on the systematic list of species can be found.

The nomenclatures and classification system of CONDE (1956) and IONESCU (1955) are followed in the work.

RESULTS AND DISCUSSION

The species *Campodea (Paurocampa) rocasolanoi* was first described from Greece (Aegean part) by SILVESTRI in 1932. It was previously unknown from other parts of the Balkan Peninsula. Over the past 10 years, campodeids have been investigated in several regions of the Balkans, namely Montenegro (BLEŠIĆ, 1998), Macedonia (BLEŠIĆ, 2000, 2001), and Serbia (BLEŠIĆ, 2004).

In Montenegro, the species is known to date from only one locality, Lepetane (between Tivat and Kotor, on the Adriatic coast). In South-East Macedonia (FYROM) is known from the area of Lake Dojran, near the Toplec Spring (0.5 km northwest of the lake). In Serbia it has been found at two localities: Ostrovica (in the area of Niš) and Klisura (area of Mt. Rudnik).

The material was collected in the spring (April, May, and June). This species was present with several individuals, mostly in thick litter of *Acacia* trees.

It can be stated that the given species is xerothermic and probably typical of the Balkan Peninsula, the only place where it has been found to date. More investigations in neighboring countries are needed to prove hypothesis.

ACKNOWLEDGEMENT

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REFERENCES

- BLEŠIĆ, B. (1998) Knowledge of Protura and Diplura of Montenegro. *The Montenegrin Academy of Sciences and Arts – Glasnik of the section of Natural Sciences*, Podgorica 12: 63-70.
- BLEŠIĆ, B. (2000) On the subgenus *Paurocampa* Silvestri, 1932 (Insecta, Diplura) of the Balkans and the rest of Europe - Bios, Thessaloniki (Macedonia, Greece) 5: 23-26.
- BLEŠIĆ, B. (2001) Protura and Diplura (Insecta: Apterygota) of the Republic of Macedonia. 75 years *Macedonian Mus Nat.* Skopje, 157-162.
- BLEŠIĆ, B. (2004) Some new data on investigations of proturas and diplura distribution in Serbia. *Kragujevac J. Sci.*, 26: 111-114.
- CONDÉ, B. (1956) Matériaux pour une monographie des Diploures, Campodeides. *Mem.Mus.Hist.Nat. Paris, A Zoologie*, 12:1-202.
- IONESCU, M. A. (1955) Diplura, in Fauna Republicii Romine, Insecta, 7(2):1-50.
- SILVESTRI, F. (1932) Nuovi contributi alla conoscenza delle fauna delle isole italiane dell'Egeo. II Thysanura Entotropha (Insecta). *Boll. lab. Zool. Portici*, 27: 61-111.

**РАСПРОСТРАЊЕЊЕ ВРСТЕ *CAMPODEA (PAUROCAMPA)*
ROCASOLANOI SILVESTRI НА БАЛКАНУ**

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Врста *Campodea (Paurocampa) rocasolanoi* Silvestri (Insecta: Endognatha, Diplura, Campodeidae) позната је само са Балкана.

На Балканском полуострву из подрода *Paurocampa*, према досадашњим резултатима истраживања, јављају се три врсте.

Прва врста, *Campodea (Paurocampa) suensoni* Tuxen, 1930 је широко распрострањена, космополит; друга је *C. (P.) rocasolanoi* Silvestri, 1932, описана из Грчке; и трећа *C. (P.) speleae* Ionescu, 1955 позната је из Румуније. Све три врсте су нове у нашој фауни.

Налази првопоменуто врсте су чести, док су друге две врсте ређе. Према IONESCU-у (1955) на Балкану се може очекивати још и врста *C. (P.) ribauti*.

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