

**Presence of *Poecilimon pechevi* Andreeva, 1978
(Orthoptera, Phaneropterinae) on Orvilos Mountain, Greece**

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Abstract

Until now, *Poecilimon pechevi* Andreeva, 1978 was considered endemic to the Vlahina/Vlakhina Mountain (Ossogovo-Ograzhden mountain group) on the Bulgarian-Macedonian border. In July 2020, we discovered it on the Greek side of Orvilos Mountain, in the Western Rhodopes. The accurate status of this population remains to be defined by carrying out additional surveys in 2021.

Zusammenfassung

Bisher galt *Poecilimon pechevi* Andreeva, 1978 als endemisch auf dem Berg Vlahina/Vlakhina (Gebirgsgruppe Ossogovo-Ograzhden) an der bulgarisch-mazedonischen Grenze. Im Juli 2020 entdeckten wir die Art auf der griechischen Seite des Orvilos-Gebirges in den westlichen Rhodopen. Der genaue Status dieses Vorkommens soll durch zusätzliche Erfassungen im Jahr 2021 geklärt werden.

Results

Poecilimon pechevi was discovered by Andreeva in 1975 on the Bulgarian side of the Vlahina/Vlakhina Mountain (Ossogovo-Ograzhden mountain group) in the eastern part of the country (ANDREEVA 1978). In August 2012, during surveys for the establishment of the Red list of Orthoptera in the Republic of North Macedonia, we also found it on the Macedonian side of this same mountain (LEMONNIER-DARCEMONT et al. 2014). Due to its restricted distribution and reduced elevation range, between 1600 m and 1900 m altitude, and various anthropogenic threats to its biotopes, the species has been classified "Critically endangered" (CR) on the IUCN red list of threatened species (CHOBANOV et al. 2015).

During the summer 2020, our surveys on the Greek side of Mount Orvilos, in the western part of the Rhodope massif, more specifically focused on Lepidoptera, allowed us to discover a few adult individuals of *P. pechevi*.

- South slope of Mt Orvilos, north-east of the town of Serres (Fig. 4): calciphilous meadow at mountain-Mediterranean level, located at an elevation of 1560 m, not recently grazed (a priori). On July 2, we found about ten adults of *P. pechevi*. We also noted on this station the abundance of *Anterastes serbicus* Brunner von Wattenwyl, 1882.

That day, further investigations were carried out on this mountain at different altitudes, but without success. We came back on July 21 but at that time only

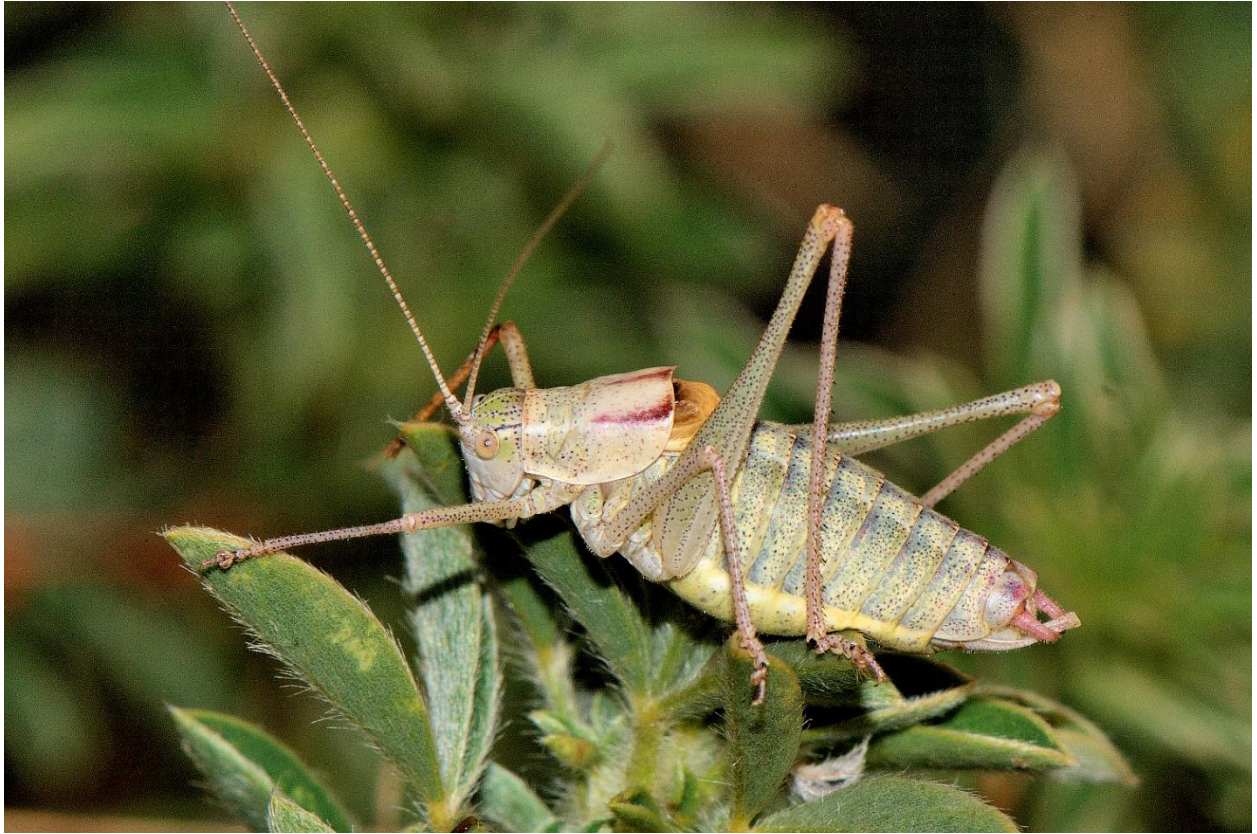


Fig. 2: *Poecilimon pechevi* ♂.



Fig. 3: *Poecilimon pechevi* ♀.



Fig. 4: Biotope.



Fig. 5: Cercus of ♂: a - *Poecilimon pechevi* from Vlahina Mt, b - *Poecilimon pechevi* from Orvilos Mt, c - *Poecilimon ebneri* from Belasica Mt.

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