

NOTA / NOTE

Stenolemus novaki Horváth, 1888 (Hemiptera, Reduviidae) in Portugal.

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Abstract: *Stenolemus novaki* Horváth, 1888 (Hemiptera, Reduviidae) is recorded from mainland Portugal for the second time, following a recent photographic record. A map synthesizing the knowledge about the species distribution in the Iberian Peninsula is included.

Key words: Hemiptera, Reduviidae, Emesinae, *Stenolemus novaki*, Iberian Peninsula.

Resumen: *Stenolemus novaki* Horváth, 1888 (Hemiptera, Reduviidae) en Portugal. Se cita *Stenolemus novaki* Horváth, 1888 (Hemiptera, Reduviidae) de Portugal continental por segunda vez, siguiendo un registro fotográfico reciente. Se incluye un mapa que sintetiza el conocimiento sobre la distribución de la especie en la Península Ibérica.

Palabras clave: Hemiptera, Reduviidae, Emesinae, *Stenolemus novaki*, Península Ibérica.

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Stenolemus novaki Horváth, 1888 (Hemiptera, Reduviidae), the only representative of the genus *Stenolemus* Signoret, 1858 in Europe, is an emesine assassin bug described from Croatia ("Dalmatia") and Italy (Lesina) by HORVÁTH (1888).

According to PUTSHKOV & MOULET (2009), who conducted a thorough compilation of the available ecological data, *Stenolemus novaki* is probably a xerothermic and heliophilous species with a preference for rocky areas.

Up to the present, the known European distribution of the species includes Bulgaria, Croatia, France, Greece, Italy, Macedonia, and Spain, while outside Europe it has been recorded from the Canary Islands, Egypt, Israel, Saudi Arabia, Sudan, and Turkey (WYGODZINSKY, 1966; PUTSHKOV & PUTSHKOV, 1996; PUTSHKOV & MOULET, 2009; SIMOV *et al.*, 2017).

The current known Iberian distribution includes the Spanish provinces of Barcelona (RIBES, 1961 and several additional records, cf. PUTSHKOV & MOULET, 2009) and Girona, specifically from the Medes Islands, from where ESPAÑOL (1984) tentatively identified several nymphs. In Portugal, the only available information pertains to a very recent record from the district of Setúbal [specific location: Setúbal (municipality): Castanhos (38.5231° N, -8.9997° W; 29SNCO063), Parque Natural da Arrábida], based on pictures taken by Pedro Silva on 13/11/2019 and housed in the web platform Biodiversity4All (<https://www.biodiversity4all.org/observations/35646460>) and GBIF (UEDA, 2020).

In this contribution we record *Stenolemus novaki* from south-western Portugal, collected within the scope of the InBIO Barcoding Initiative, confirming its presence and extending southwards its known distribution in the country as shown in Map 1, which marks the Portuguese districts where the species was recorded and summarizes its Spanish (province level) distribution just based on literature

compilation. In the material examined section, as in the above-mentioned record from Setúbal, the dates presented are in the Day/Month/Year format and the coordinates are in the Military Grid Reference System (MGRS).

Material examined

PORTUGAL: Beja district: Odemira municipality: Vale de Gomes, 1,7 km WSW of Algoceira (37,6116° N, 8,7134° W; 29SNB2562, 4 m above sea level), Parque Natural do Sudoeste Alentejano e Costa Vicentina, 27/05/2019, 1 ♂, Sónia Ferreira leg., InBIO Barcoding Initiative reference collection (INV08667) (Vairão, Portugal).

Discussion

The known distribution range of *Stenolemus novaki* Horváth, 1888 in the Iberian Peninsula was remarkably extended with the aforementioned record obtained by Pedro Silva and is further increased with the new record presented herein (Map 1).

As in the case of *Lachnaia (Lachnaia) variolosa* (Linnaeus, 1767), recently recorded from Portugal for the first time with a significant westwards range expansion (GROSSO-SILVA *et al.*, 2020), *Stenolemus novaki* is probably present in suitable areas in a number of Spanish provinces located between Barcelona and the Portuguese south-western coast, its small size and elusive behaviour possibly accounting for the lack of records in such an extensive area of the Iberian Peninsula.

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Map 1. - Iberian distribution of *Stenolemus novaki* Horváth, 1888, with the previously known Portuguese districts and Spanish provinces (in grey), the new Portuguese districts (in blue), and the MGRS 10x10 km squares of the collecting sites in Portugal (new sites in orange, previous sites in green).