



**PHYMATA SOESILAE A NEW SPECIES (HETEROPTERA: PHYMATIDAE) FROM SURINAME**

DEWANAND MAKHAN

\*Willem Bilderdijkhove 19, 3438 PM Nieuwegein, the Netherlands

**ARTICLE INFORMATION**

**Article History:**

Received: 19<sup>th</sup> March 2021  
Accepted: 28<sup>th</sup> June 2021  
Published online: 29<sup>th</sup> September 2021

**Key words:**

Heteroptera, Phymatidae, *Phymata soesilae* sp. nov., Suriname.

**ABSTRACT**

In this paper *Phymata soesilae* sp. nov., a new species of ambush bug of Suriname is described. It will be new addition in fauna of Heteroptera: Phymatidae in Suriname.

**1. INTRODUCTION**

Species of *Phymata* Latreille, 1802 is known from Africa, Asia, Australia, Europe, Canada, North America and South America. From South America comprises 14 species of ambush bugs: *Phymata birabeni* Kormilev, 1950 from Argentina, *P. producta* Hoberlandt, 1944, *P. erosa* Melin, 1930 from Brazil, *P. chilensis* Handlirsch, 1897, from Chile, *P. albimana* Zayas, 1966, *P. grilloi* Zayas, 1988, *P. isabelae* Rivero & Grillo, 2005, from Cuba, *P. interjecta* Dudich, 1922, Dominican Republic, *P. acutangula*, Guérin-Méneville, 1857, *P. fortificata* Herrich-Schaffer, 1844 from French Guyana, *P. superba* Kormilev, 1962, from Haiti, *P. pilifera*, 1963, from Jamaica, *P. trinidadensis* Kormilev, 1957, from Trinidad and *P. venezuelana*, 1950, from Venezuela.

In this paper, the first *Phymata* Latreille, 1802 species are described from Suriname as *Phymata soesilae* sp. nov. The species was collected Colakreek, in Para District and is collected with a sweep net on Vegetation. The host plant is unknown. (Kormilev and Doesburg) <sup>[1]</sup>, (Rivero and Grillo) <sup>[2]</sup> and (Zayas) <sup>[3]</sup>.

The holotype of the new species will be deposited in the collection of the Naturalis Biodiversity Center in Leiden, the Netherlands.

**Taxonomic description**

*Phymata soesilae* Makhan, sp. nov. (Figures 1-2).

Type: Holotype male. Suriname, Colakreek, 7.8.1992, coll. D. Makhan (only the holotype).

Holotype description: Male. Total length 6.1 mm.

Head longer than wide, dorsal side yellow-brown, lateral side black and with granules.

Eyes large round and is at middle of the head.

Antennae long and is longer than the middle of the pronotum. Antennomeres longer than wide, yellow-brown and the last antennomere is brown and is not clubbed.

Pronotum yellow-brown, with granules. Lateral notch absent, lateral and posterior angles prominent.

\*Corresponding Author: [dewanandmakhan@yahoo.co.uk](mailto:dewanandmakhan@yahoo.co.uk)  
Copyright 2017 University of Sindh Journal of Animal Sciences

Scutellum yellow-brown, is long as wide, bearing a linear carina and with granules.

Abdomen: Yellow-brown, posterior lateral corners of abdominal segments 2–5 strongly dentiform, abdomen broadly dilated, apex of abdominal segment 6 rounded, abdominal segments 5 and 6 with red-brown marking and with granules.

Forewings yellow-brown, wing membrane hyaline.

Legs are yellow-brown, the fore femur is granulated.

**Etymology:** This species is named after my wife, Soesila Makhan.

**Comments:** *Phymata isabelae* Rivero & Grillo, 2005, appears to be closely allied to from Cuba, but there is a difference in the shape of the body. Abdomen is wide and high in *Phymata isabelae*

(Rivero and Grillo) [2] and Abdomen is not so wide and is flat in *Phymata soesilae* Makhan, sp. nov.

## REFERENCES

- [1] Kormilev, N.A. and Doesburg, P.H. (1992). Notes on Macrocephalinae (Heteroptera: Phymatidae). Zoologische Mededelingen Leiden 66 (30), 31.xii.417-421.
- [2] Rivero-Aragón, Alán and Grillo, Horacio, (2005). Nueva especie cubana de *Phymata* Latreille (Heteroptera; Phymatidae), Revista Centro Agrícola 32, No. 4, pp. 55-58.
- [3] Zayas, F. (1988). Entomofauna Cubana, tomo VII, Editorial Científico-Técnica, La Habana, pp. 149- 154.



Figure 1. *Phymata soesilae* Makhan, sp. nov. habitus, holotype male, dorsal view (total length = 6.1 mm).



Figure 2. *Phymata soesilae* Makhan, sp. nov. habitus, holotype male, ventral view (total length = 6.1 mm).