

## New species of the genus *Cristaphanes* Aurivillius, 1916 (Coleoptera: Cerambycidae) from Palawan

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*Cristaphanes palawanus* sp. nov. from Palawan island, the Philippines, is described, illustrated and compared with other similar species. There are currently 8 species of the genus *Cristaphanes* known in the world fauna, but 2 species are found in the Philippine archipelago.

Key words: Coleoptera, Cerambycidae, Lamiinae, Lamiini, Polyphida, new species, taxonomy

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### INTRODUCTION

Genus *Cristaphanes* Aurivillius, 1916 (Coleoptera: Cerambycidae) belongs to the subfamily Cerambycinae and tribe Callidiopini. In the world fauna, 7 species of this genus are known so far, distributed in the Oriental region. All species of this genus are endemics with a rather narrow distribution range in Borneo, W Malaysia, Vietnam, Laos, Thailand and the Philippines. The greatest variety of species of this genus was observed on the island of Borneo, where 3 species were found.

Only one species - *Cristaphanes filipinus* Vives, 2009 - known from Mindanao is so far distributed in the Philippine Archipelago. In this article we describes the second species of this genus discovered on the island of Palawan. Thus, two species of the genus *Cristaphanes* are currently known in the Philippine archipelago, while 8 species are found in the world fauna. Most of the species of this genus are poorly studied and since their description, there is very little information about their distribution (Tavakilian, Chavillotte 2023).

The Callidiopini Lacordaire, 1869 tribe mainly distributed in Oriental and Austro-Asian Regions. In the world fauna are presented more than 400 species hierherto described, which belongs to 68 genera. Yokoi (2023) has published a paper describing six new species and one subspecies of the genus *Ceresium* Blanchard, 1853 and one subspecies of the genus *Examnes* Pascoe, 1861 from the Philippines. Both genera belong to the tribe Callidiopini.

In last months, many scientists have published new taxonomic and distribution data about the longhorn beetle fauna of the Philippine archipelago, including Vives (2023a, 2023b, 2023c), Yokoi (2023), Medina, Vitali, Barševskis (2023) and others. This shows that the longhorn beetle fauna of the Philippine archipelago is poorly studied.

## MATERIAL AND METHODS

The studied material (holotype) is deposited in the beetles collection of Daugavpils University, Institute of Life Sciences and Technology, Coleopterological Research Centre (DUBC; Ilgas, Daugavpils Distr., Latvia).

The laboratory research and measurements have been performed using Nikon AZ100, Nikon SMZ745T and Zeiss Stereo Lumar V12digitalstereomicroscopes, NIS-Elements 6D software. The habitus photograph was obtained with a digital camera Canon EOS 6D with Canon MP-E65 mm macro lens, using Helicon Focus automontage and subsequently was edited with Photoshop. All measurements are given in millimeters.

In the present paper we followed the taxonomic nomenclature provided by Tavakilian, Chavillotte (2023).

## DESCRIPTION

*Cristaphanes palawanus* sp. nov.  
(Fig. 1)



Fig. 1. *Cristaphanes palawanus* sp. nov. (holotype)

**Type specimen: Holotype:** Female. /Philippines: Palawan Isl., / Roxas, 06.2021, / local collector leg./ [handwritten]; // HOLOTYPUS:/ *Cristaphanes* / *palawanus* sp. nov. / A.Barševskis, / M.N. Medina det. 2023 [red label, handwritten] (DUBC).

**General distribution:** Philippines: Palawan Island.

**Description.** Body elongated, narrow, parallel, brown. Elytra brown, with black lateral margin, suturae and elongated black

band behind shoulders. Pronotum laterally black, but dorsal disc brown. Body length 27.0 mm, maximal width: 6.9 mm.

Head dark-brown, convex and uneven between antennal bases, with bilobate convex eyes. Surface of head with coarse punctures, wrinkles and sparse long brown pubescence, especially behind eyes, with short, line, which impressed between antennal bases. Frontal portion of head with dense pubescence of relatively long brown hairs. Cheeks covered with sparse brown pubescence. Labrum brown, narrow, covered with long brown hairs. Clypeus brown, transverse, shiny, in frontal line with long brown hairs. Mandibles dark-brown, with sharp apex, massive, wide, shiny, lateral sides with pubescence of long brown hairs. Antennae brown, slender, relatively long, but not reaches apex of elytra, shorter than body, covered with punctures and sparse pubescence and has many long bristles; basal antennomeres thickened and slightly darkened apically, remaining antennomeres cylindrical, brown.

Pronotum laterally black, with brown and convex pronotal disc, elongated, neck-shaped narrowed in apical and basal portions, Pronotal disc with irregular wrinkles and coarse punctures and brown pubescence.

Scutellum small, with pubescence. *Pars stridens* partially visible because it is under the posterior edge of the pronotum, forming smooth two areas with very fine transverse microsculpture, between with thin impressed line.

Elytra parallel-sided, brown, flattened dorsally, with black lateral margin, suturae and elongated black band behind distinct, slightly raised shoulders hump, which are with raised, sharp, oblique keel. Surface of elytra matt, with weak reflection and mi-

crosculpture. Punctuation of elytra very dense, not arranged in longitudinal rows, with long sets and pubescence.



Fig. 2. *Cristaphanes filipinus* Vives, 2009 (holotype) (Bezark 2023)

Ventro-lateral surface of body brown, covered with pubescence. Legs brown, massive, covered with pubescence and long sets.

**Differential diagnosis.** Regarding the shape of the body, the new species differs from *Cristaphanes filipinus* Vives, 2009 (Fig. 2). with darker elytra color and slightly different black bands, different dark pattern on pronotal disc, with dark legs without black joint area, almost grown color of antennomeres, without black joints. New species is similar also to Bornean *Cristaphanes bifidus* Holzschuch, 2010 (Fig. 3), from which it differs by a wider and darker

black band along the elytra suture, a more pronounced black band along the sides of the elytra, which completely surrounds the apex of the elytra, with darker legs. The tarsomeres and antennomeres of the new species are dark brown instead of light brown as in the other species.



Fig. 3. *Cristaphanes bifidus* Holzschuch, 2010 (holotype) (Bezark 2023)

**Etymology.** This species is named after the Palawan island, where it occurs [Palawan - *palawanus*].

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