

## A new species of the genus *Lamprobityle* Heller, 1923 (Coleoptera: Cerambycidae) from Mindanao Island, Philippines

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*Lamprobityle cabrasae* sp. nov. (Coleoptera: Cerambycidae, Lamiinae) from Mindanao Island (Philippines) is described and illustrated. To date, the genus *Lamprobityle* Heller, 1924 represented by 12 species and all are endemics of the Philippine Archipelago.

Key words: Coleoptera, Cerambycidae, Apomecynini, Lamiinae, *Lamprobityle*, new species, Philippines, Mindanao

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### INTRODUCTION

The longhorned beetles (Coleoptera: Cerambycidae) fauna of the Philippine Archipelago is insufficiently studied. Faunistic studies in the Philippines is a very important task, because it is one of the world's biodiversity hotspots. Unfortunately, the deforestation and island overcrowding cause serious problems for the archipelago's biota. Therefore, taxonomic studies are necessary for the clarification and enrichment of data about taxa that should be protected.

In recent years, many new species have been described from the Philippines, including the

long-horned beetle (Cerambycidae) and other families of Coleoptera. Examples of this are publications of several authors (Anichtchenko 2016, 2017; Barševskis, 2014, 2015, 2016, 2017, 2018; Barševskis & Jäger 2014; Bollino & Sandel 2015; Bollino, Sandel & Rukmane 2017; Cabras & Barševskis 2016; Cabras et al 2017; Cabras & Rukmane 2016; Hava 2016, Kuleshov 2017; Miroshnikov 2014; Miroshnikov & Tichy 2015; Rukmane 2016, 2017; Rukmane & Barševskis 2016; Vitali 2017; Vives 2012a, 2012b, 2013, 2014, 2017; etc.).

*Lamprobityle* Heller, 1923 is an endemic genus for the Philippine archipelago. Several new species were described within this genus in the last 10 years: *L. rugulata* (Vives, 2009), *L. azurea* (Vives, 2012), *L. fasciata* (Vives, 2012),

*L. katrinae* Barševskis, 2014, *L. kristinae* Barševskis, 2014, *L. mariae* (Vives, 2009), *L. zeltitae* Barševskis, 2014, *L. mindanaoense* Barševskis & Jaeger, 2014, *L. marifelipe* Barševskis, 2017 (Barševskis 2014, 2017; Vives 2009, 2012a).

In the present study I describe a new species of *Lamprobityle* from Mindanao Island. To date, this genus represented by 12 species: five species distributed in Luzon Island, three in Mindanao Island, two in Samar Island, one in Sibuyan Island and one in Negros and Luzon Islands (Barševskis 2014, 2017; Barševskis & Jaeger, 2014).

## MATERIAL AND METHODS

The type specimen (holotype) of new species deposited in DUBC (Daugavpils University beetle collection; Ilgas, Daugavpils District, Latvia). All specimens have been collected in the Philippines by local collectors.

The laboratory research and measurements have been performed using Nikon AZ100, Nikon SMZ745T and Zeiss Stereo Lumar V12 digital stereomicroscopes, NIS-Elements 6D software, and Canon 60D and Canon 1 Ds Mark II cameras.

## RESULTS

### *Lamprobityle cabrasae* sp. nov.

[Fig. 1]

**Type material. Holotype:** male: "Philippines: Mindanao Isl., Davao Oriental, Governor Generoso, 10.2017., loc. coll. leg." [handwritten]; HOLOTYPUS: [printed] / *Lamprobityle cabrasae* sp. nov. / [handwritten] / A.Barševskis det. [printed] 2018 [handwritten] [on red label].

**Distribution.** Philippines, Mindanao Island.

**Description.** Body length: 9.7 mm, maximal width: 4.0 mm.

Body black; surface with spots of greenish scales. Body very convex, with coarse puncturation and very fine reticulate microsculpture.

Head rectangular, covered by greenish-white pubescence and fine puncturation. Eyes slightly convex, bilobate, not protruding. Clypeus yellow-brown, rectangular. Labrum convex, covered by dark setae. Maxillar and mandibular palps dark, with brown apex of apical palpomere. Mandibles comparatively short, robust. Antennae dark, with slight metallic luster. Antennomeres in basal part covered by white pubescence, darker in apical part.

Pronotum subcylindrical, black, slightly lustrous, with sparse, coarse punctures and very fine reticulate microsculpture on pronotal disc. Lateral and basal margins of pronotum with wide band of greenish scales. Basal and apical margin on disc of pronotum with very thin impressed transverse lines. Scutellum rounded apically, covered by greenish pubescence.

Elytra black, shiny, with light greenish luster and spots of greenish tomentum and scales. Elytra with coarse punctures, especially in basal part. Interspaces between punctures with very fine reticulate microsculpture. Each elytron behind distinct shoulders with wide convex hump, behind middle portion evenly convex. Each elytron with six greenish spots.

Legs slender, black with dark blue metallic luster and pale tomentum. Front tibia very expanded. Tibia from outside and along latero-apical margins with long dark setae. Tarsus covered with dense white and yellow tomentum.

**Differential diagnosis.** Based on the general shape of the body and surface, the new species is similar to *L. mariae* Vives, 2009 (please read note: Barðevskis 2014), from which it differs by more convex body, unicolorous greenish spots and black background of the surface of the body (body of *L. mariae* more flat, with bicolourous spots and background of surface).

**Etymology.** Patronymic, the species is named to honour of my colleague, Philippinean



Fig. 1. *Lamprobityle cabrasae* sp. nov. (holotype)

coleopterologist Anlyn Anzano Cabras (University of Mindanao, Davao, Philippines).

**List of species of the genus *Lamprobityle* Heller, 1923**

1. *Lamprobityle azurea* (Vives, 2012) - Philippines: Samar Isl.
2. *Lamprobityle cabrasae* Barðevskis, sp. nov. - Philippines: Mindanao isl.
3. *Lamprobityle conspersa* (Aurivillius, 1927) - Philippines: Sibuyan Isl.
4. *Lamprobityle fasciata* (Vives, 2012) - Philippines: Luzon Isl.
5. *Lamprobityle katrinae* Barðevskis, 2014 - Philippines: Samar Isl.
6. *Lamprobityle kristinae* Barðevskis, 2014 - Philippines: Luzon Isl.
7. *Lamprobityle magnifica* Heller, 1923 - Philippines: Luzon Isl., Negros Isl.
8. *Lamprobityle mariae* (Vives, 2009) - Philippines: Luzon Isl.
9. *Lamprobityle marifelipeae* Barðevskis, 2017 - Philippines: Luzon Isl.
10. *Lamprobityle mindanaoense* Barðevskis & Jaeger, 2014 - Philippines: Mindanao Isl.
11. *Lamprobityle rugulata* (Vives, 2009) - Philippines: Luzon Isl.
12. *Lamprobityle zeltitae* Barðevskis, 2014 - Philippines: Mindanao Isl.

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