

# To the knowledge of the genus *Calidiopsis* Heller, 1912 (Coleoptera: Curculionidae: Celeuthetini), the first record of *C. granosa* Heller, 1923 from Mindanao Island (Philippines)

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The first record of *C. granosa* Heller, 1923 from the Mindanao Island, Zamboanga, Siocon is presented, extending knowledge on distribution range of the current species. Detailed description, photos of habitus as well as male genitalia are included.

Key words: *Calidiopsis*, Celeuthetini, Mindanao Island, Philippines

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## INTRODUCTION

The genus *Calidiopsis* Heller, 1913 (Coleoptera: Celeuthetini) currently contains six species: *C. speciosa* Heller, 1913 (Mindanao, Zamboanga), *C. lineata* Schultze, 1918 (Mindanao, Zamboanga), *C. affinis* Schultze, 1920 (Mindanao, Zamboanga), *C. granosa* Heller, 1923 (Basilan Island) and recently described *C. bilineatus* Rukmane-Bārbale, 2020 (Central Mindanao) and *C. waoensis* Rukmane-Bārbale, 2020 (Mindanao, Wao) (Heller, 1913, 1923; Schultze, 1918, 1920; Rukmane-Bārbale, 2020).

Till now, *C. granosa* Heller, 1923 was the only species of the genus present on Basilan Island, with no records outside the Basilan. The new coleopterological material from Zamboanga revealed, that curculionid fauna of the region also contain *C. granosa* Heller, 1923. Together with new distribution record, supplemented description of morphological characters and appearance is

presented in this short communication with aim to extend the knowledge of the genus *Calidiopsis* Heller, 1913.

## MATERIAL AND METHODS

The study was based on specimens deposited at the Daugavpils University Beetle Collection, Daugavpils, Latvia (DUBC) and Senkenberg Natural History Collections, Dresden, Germany (MTD).

The laboratory research and measurements have been carried out using Nikon SMZ 745T and NIS-Elements 6D software. The illustrations were made using digital camera Canon EOS 6D with Canon MP-E 65mm macro lens, using stack shot system and Helicon Focus auto montage, subsequently was edited using Photoshop.

Label data are cited *verbatim*. In the text the following symbols and abbreviations were used:

/ = different lines;

// = different labels;

LB = body length, from apical margin of pronotum to the apex of elytra;

LE = elytral length;

LP = pronotal length;

LR = length of the rostrum;

WE = maximum width of the elytra;

WP = maximum width of the pronotum;

WR = maximum width of the rostrum.

## RESULTS

*Calidiopsis granosa* Heller, 1923

(Fig. 1,2,3)



Figure 1. *Calidiopsis granosa* Heller, 1923. **A** – male, dorsal view. **B** – female, dorsal view.



Figure 2. Male genitalia of *Calidiopsis granosa* Heller, 1923. Aedeagus in lateral view, sternite IX in dorsal view. Scale bar 1mm.

**Original description:** “*Calidiopsis granosa* sp. n. Niger, parcenigrosetosa, rostro dorso dense albido, prothorace elytrisque ubique, illosquamulis minutissimis parcisque, his squamulis paulomaioribus in loculis acervatis, canis; prothorace granulis magnitudine diversa dense obsito; elytrisse-riato-granulatis, granulisnitidis, spatium sigulum expletibus, pedibus subtiliter glauco-squamosis. Long. 9-10,5, lat. 3,5-4,5 mm. Insula: Basilan (N. 7314, 15 110, 13 178).” (Heller, 1923).

**Notes on types:** The original description was based on two specimens now deposited in MTD (Dresden, Germany) both from Island of Basilan. The label data of Holotype include five labels: “1922 / 6” (yellow rectangular label); “Island of / Basilan / Baker” (brown rectangular label); “7314” (brown rectangular label); “*C. granosa* / Typus” (red rectangular label); “Staatl. Museum fur / Tierkunde. Dresden” (white rectangular label) (Fig. 3).



Figure 3. *Calidiopsis granosa* Heller, 1923: Paratype (MTD).

**External morphological features:** Male: **Body** black, with markings of single light scales on rostrum dorsally and elytra; femur, tibia and tarsus bare black or marked with single, light scales of round shape; antennae bare or marked with single, light scales of round shape; **Rostrum** smooth, widened to apex, with light pubescence to longer, light hairs along impressions; deep medial longitudinal groove dorsally; two deep impressions at base near the eyes; two large impressions along antennal scape. **Eyes** large, strongly bulging from the outline of the head, two times as wide as forehead each. **Antennae** with scape slightly longer than funicle and club, scape with long setae on all length, widened to apex; **Prothorax** strongly rugose, in dorsal contour widest just before the middle, in lateral contour curved along apical 1/2; without markings of light scales; **Elytra** ellipsoidal, strongly granulated, with expressed longi-

tudinal intervals; in dorsal contour widest just at the middle, in lateral contour gradually rounded, peak just at the middle; apical half of elytra with single setae; rare single light scales of round shape mingled on all length, density of scales vary along specimens. Dorsal habitus as showed in Fig. 1A. Aedeagal body as showed in Fig. 2.

Female: Bigger, prothorax and elytra more strongly rounded, hairs on legs (femur, tibia, tarsus), antennae and elytra longer, dense. Otherwise as in males. Dorsal habitus as shown in Fig. 1B.

**Measurements:** Male: LB: 6.8 - 8.6 (mean 7.7), LE: 4.5 - 5.9 (mean 5.2), LP: 2.1 - 2.6 (mean 2.4), LR: 1.0 - 1.3 (mean 1.2), WE: 3.7 - 4.1 (mean 3.9), WP: 1.9 - 2.0 (mean 1.95), WR: 0.8 - 1.0 (mean 0.9) (N=4 for all measurements); Female: LB: 8.5 - 9.2

(mean 8.8), LE: 6.0 – 6.7 (mean 6.4), LP: 2.8 – 2.9 (mean 2.85), LR: 1.2 - 1.4 (mean 1.3), WE: 4.6 – 4.8 (mean 4.7), WP: 2.3 – 2.6 (mean 2.45), WR: 1.1 – 1.3 (mean 1.2) (N=3 for all measurements).

**Material examined:** 7 ex. (4 males, 3 females) ‘‘PHILIPPINES / Mindanao, Zamboanga, Siocon / VIII. 2022 / local collector leg.’’ (white rectangular label, printed).

**Distribution:** Basilan Island and Southern Zamboanga (Siocon).

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