

A New Record of *Paramacronychus granulatus* (Coleoptera, Elmidae) from Yakushima Island, Japan

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Paramacronychus granulatus NOMURA, 1958 belongs to the tribe Macronychini of the subfamily Elminae. It is a relatively large size elmid beetle forming the monotypic genus. This species mainly lives in substrates and organic matters of shallow upper streams. Known distributional range of this species is restricted to Honshu and Shikoku to date (SATÔ, 1993; NAKAJIMA, 2013). Here I report this species from Yakushima Island for the first time. It also represents the first record of this species from Kyushu District.

Specimens examined. 2 exs., Anbô, Yakushima-chô, Kumage-gun, Kagoshima Pref., Japan, 28–VIII–2011, Naoki OGAWA leg.; 4 exs., same locality and collector, 30–VIII–2011.

Record of this species from Yakushima is especially interesting because it is also the first record of *P. granulatus* from an island isolated from the main Japanese islands.

All individuals were collected by a server net either from moss mat or gravel substrate in small streams, as reported from Honshu and Shikoku. Wing dimorphism (alate and apterous) is known in this species (NAKAJIMA,

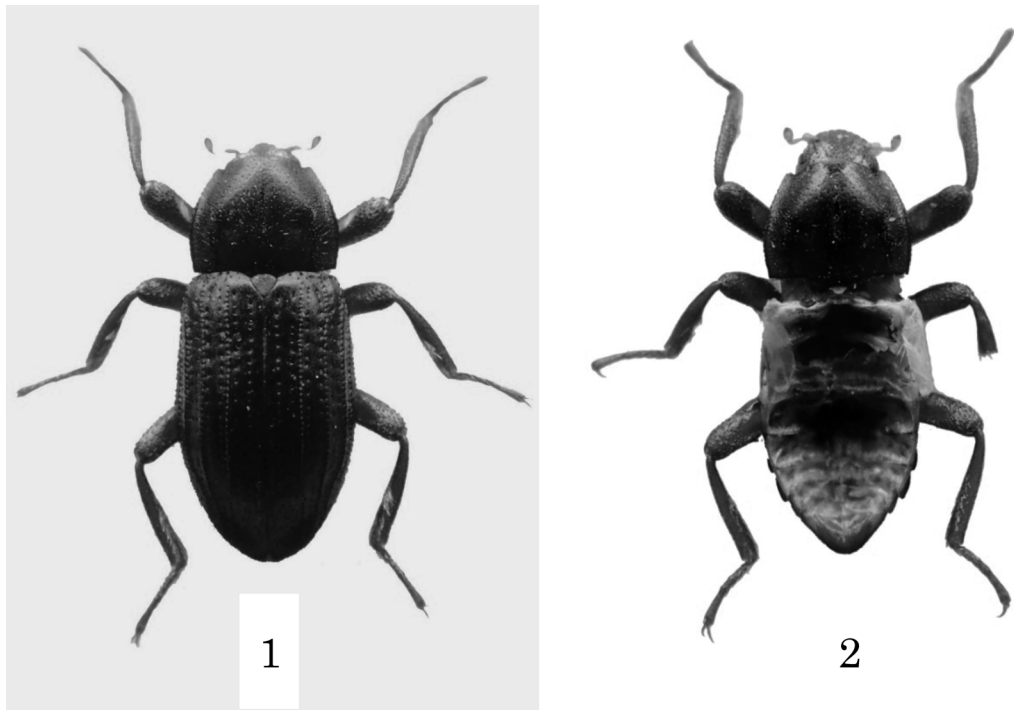


Fig. 1–2. *Paramacronychus granulatus* collected in Yakushima Island. — 1, Habitus dorsal view; 2, ditto, elytra removed, showing apterous condition.

J., pers. comm., 2012, December), and dissected specimens ($N=4$) collected in Yakushima are all apterous.

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References

- SATÔ, M., 1993. A revisional study on the superfamily Dryopoidea (Coleoptera) of Japan. 239 pp. PhD Thesis, Kyoto University, Kyoto.
- NAKAJIMA, J., 2013. Record of *Paramacronychus granulatus* from Ehime Prefecture, Shikoku. *Sayabane*, (n. ser.), **9**: 36. (In Japanese.)

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