



<http://dx.doi.org/10.11646/zootaxa.3774.1.4>

<http://zoobank.org/urn:lsid:zoobank.org:pub:FB59935F-40D7-486D-B39F-1030BFB2F451>

## The Neotropical species of *Xanthopimpla* Saussure (Hymenoptera: Ichneumonidae: Pimplinae)

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### Abstract

*Xanthopimpla* Saussure, 1892 is one of the largest and best studied genera of the family Ichneumonidae. It is most species rich in the Oriental and Afrotropical regions with only a few species occurring in Central and South America. The present study reviews the Neotropical species of the genus including descriptions of four new species from Amazonia and North-east South America. We define a new species group: the *amazonica* species-group, to accommodate the following five species: *X. amazonica* Gómez, Sääksjärvi & Veijalainen, *X. guianensis* Gómez & Sääksjärvi **sp. n.**, *X. jussilai* Veijalainen, Sääksjärvi & Broad, *X. pucallpensis* Gómez & Sääksjärvi **sp. n.** and *X. vidali* Gómez **sp. n.** The *aurita* species-group, which had hitherto been regarded as the only species-group in the Neotropical region, is currently represented by five species: *X. allpahuaya* Gómez & Sääksjärvi **sp. n.**, *X. aurita* Krieger, *X. craspedoptera* Krieger, *X. rhabdomera* Townes and *X. spilopectera* Krieger. The Andean species *X. peruana* Krieger is established as an unplaced species outside of the *amazonica* and *aurita* species-groups. A key to Neotropical species-groups and species of *Xanthopimpla* is provided. *Xanthopimpla aurita* is recorded for the first time from Ecuador and Colombia and its extensive distribution is discussed. *Xanthopimpla amazonica*, *X. craspedoptera* and *X. jussilai* are recorded for the first time from Brazil; *X. amazonica* is recorded for the first time from French Guiana; *X. spilopectera* is recorded for the first time from French Guiana and Peru, and *X. rhabdomera* is recorded for the first time from Peru.

**Key words:** taxonomy, parasitoids, idiobiont, new species, Amazonia, Peru, Ecuador, French Guiana, Brazil

### Resumen

*Xanthopimpla* Saussure, 1892 es uno de los géneros más grandes y mejor estudiados de la familia Ichneumonidae. Este género es más rico en especies en las regiones Oriental y Afrotropical con solo algunas especies presentes en Centroamérica y Sudamérica. En este estudio, examinamos las especies Neotropicales del género incluyendo descripciones de cuatro nuevas especies encontradas en la Amazonia y la parte Noreste de Sudamérica. Se define un grupo nuevo de especies, el grupo *amazonica*, para acomodar las siguientes cinco especies: *X. amazonica* Gómez, Sääksjärvi & Veijalainen, *X. guianensis* Gómez & Sääksjärvi **sp. n.**, *X. jussilai* Veijalainen, Sääksjärvi & Broad, *X. pucallpensis* Gómez & Sääksjärvi **sp. n.** y *X. vidali* Gómez **sp. n.** El grupo de especies *aurita*, que fue anteriormente considerado como el único grupo de especies para la región Neotropical, está actualmente representado por cinco especies *X. allpahuaya* Gómez & Sääksjärvi **sp. n.**, *X. aurita* Krieger, *X. craspedoptera* Krieger, *X. rhabdomera* Townes y *X. spilopectera* Krieger. La especie andina *X. peruana* Krieger es establecida independientemente fuera de los grupos *amazonica* y *aurita*. Se presenta una clave actualizada para los grupos de especies y especies Neotropicales de *Xanthopimpla*. La especie *Xanthopimpla aurita* es registrada por primera vez de Ecuador y Colombia y se discute su amplia distribución. *Xanthopimpla amazonica*, *X. craspedoptera* y *X. jussilai* son registradas por primera vez de Brazil; *X. amazonica* es registrada por primera vez en Guayana Francesa; *X. spilopectera* es registrada por primera vez en Guayana Francesa y Perú y *X. rhabdomera* es registrada por primera vez de Perú.

**Palabras clave:** taxonomía, parasitoide, idiobionte, nuevas especies, Amazonia, Perú, Ecuador, Guayana Francesa, Brasil.

Agriculture and Environment of Peru provided the collecting and export permits for the Peruvian samples. We thank Carlos Rivera and SERNANP for providing authorization to conduct research in Allpahuayo-Mishana. The Instituto de la Amazonía Peruana (IIAP), late Pekka Soini, Kember Mejia and Joel Vasquez from the “Programa de investigación en Biodiversidad Amazónica (PIBA) provided vital support in the long-term field studies conducted in the Allpahuayo- Mishana. We also thank Amazon Conservation Association (Peru). Our Peruvian colleagues and friends from Los Amigos (CICRA) and Allpahuayo-Mishana stations, especially Lidia Sulca and Jair Reategui helped importantly during the field work. This is publication 631 of the PDBFF technical series.

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