A revision of the genus Xenochilicola (Hymenoptera: Apoidea, Colletidae), with the description of a new species

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Abstract

The bee genus Xenochilicola (Colletidae: Xeromelissinae) is revised. Three species are recognized, with one described as new: X. haroldotoroi, only known from males. Xenochilicola fulva is proposed as a new junior synonym of X. diminuta. A key to species is provided.

Key words. Hymenoptera, bee, Xenochilicola, new species, synonymy, key, Chile.

Resumen

Se revisa el género de abejas Xenochilicola (Colletidae: Xeromelissinae). Se reconocen tres especies y se describe una nueva: X. haroldotoroi, conocida sólo por los machos. Se propone Xenochilicola fulva como sinonimia menor de X. diminuta. Se presenta una clave para separar los machos.

Palabras clave. Hymenoptera, abejas, Xenochilicola, especie nueva, sinonimia, clave, Chile.

Introduction

Xenochilicola is a genus of minute bees (Figs. 1–9), endemic to Chile (Michener, 2000). Toro and Moldenke (1979) described the genus, assigning to it three new species: X. mamigna, X. diminuta and X. fulva, and providing a key to separate them. The last two species were only known from one sex: male and female, respectively. Toro and Maguncacelaya (1987) studied the femoral musculature of Xeromelissinae including X.