

A new species of flea beetle, genus *Pedilia* Clark (Coleoptera: Chrysomelidae: Galerucinae), from Osa Peninsula, Costa Rica

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Abstract

A new species of *Pedilia* Clark, *P. sirena*, from Costa Rica is described and illustrated. This species is monophagous on *Passiflora pittieri* HBK, and known only from the Sirena area of Parque Nacional Corcovado, Costa Rica, for which it is named. Previous scientific reports mentioning this species are discussed, specifically those treating its ecological interaction with *Heliconius hewitsoni* Staudinger, (Lepidoptera: Nymphalidae). This species is also notable for the two distinctly textured areas of its mandibular mola.

Key words: *Pedilia sirena*, new species, Chrysomelidae, Costa Rica

Resumen

Se describe e ilustra una nueva especie de *Pedilia* Clark, de Costa Rica. Esta especie se alimenta únicamente de *Passiflora pittieri* HBK, y se ha encontrado solamente en la zona conocida como Sirena en el Parque Nacional Corcovado en Costa Rica; de este hecho se ha derivado su nombre, *Pedilia sirena*. Se discuten estudios científicos previos en los que se menciona esta especie, específicamente aquellos en los que se analiza su interacción ecológica con *Heliconius hewitsoni* Staudinger, (Lepidoptera: Nymphalidae). Esta especie también es notable por dos áreas con una textura característica y distintiva en la muela mandibular.

Introduction

Pedilia is a rarely collected genus of flea beetle (Chrysomelidae: Galerucinae: Alticini: Disonychina), remarkable for its strongly emarginate eyes (see Fig. 1 and Fig. 3a) and sub-

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