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## Review of the genus *Mesosaimia* Breuning with description of a new species (Coleoptera: Cerambycidae: Lamiinae: Mesosini)

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### Abstract

The genus *Mesosaimia* Breuning, 1938 is reviewed. The genus *Trichipocregyes* Breuning, 1950 is synonymized with *Mesosaimia*. *Trichomesosa similis* Breuning, 1950 is transferred to *Mesosaimia*. A new species, *M. wakaharai* sp. nov., is described from Laos. Four species, *M. robusta* Breuning, 1938, *M. mausoni* (Breuning, 1950) comb. nov., *M. similis* (Breuning) comb. nov. and *M. wakaharai* sp. nov., are included in the genus. Habitus photographs, drawings of diagnostic male genitalia, and a key to all species of *Mesosaimia* are provided.

**Key words:** Cerambycidae, Mesosini, new combination, new species, new synonym, taxonomy, India, Vietnam, Laos

### Introduction

The monotypic genus *Mesosaimia* Breuning, 1938 was established for *M. robusta* Breuning from India and has had no additional species described until now. The monotypic genus *Trichipocregyes* Breuning, 1950, established for *T. mausoni* Breuning from North Vietnam, still includes only the type species. However, there are no significant morphological differences recognized in the generic features between *M. robusta* and *T. mausoni*. Therefore, the genus *Trichipocregyes* should be synonymized with *Mesosaimia*.

Additionally, *Trichomesosa similis* Breuning, 1950 was described from N. Vietnam for the second species of the genus *Trichomesosa* Breuning, 1938, but it is distinctly different in the general appearances from the type species of the genus, *Trichomesosa bifasciata* (Pic, 1925), and closely shares external and male genital characteristics with *Mesosaimia robusta* Breuning. As a result, this species should be transferred to the genus *Mesosaimia*.

In this study, I redefine the genus *Mesosaimia* and describe a new species from the north mountainous part of Laos under this genus.

### Materials and Methods

This study was based on the specimens housed in the following institutes as well as the private collections of colleagues and myself: The Natural History Museum, London, UK (BMNH); Naturhistorisches Museum Basel, Switzerland (NHMB); Musée d'Histoire Naturelle de Lyon, France (MHNL); National Science Museum, Tokyo, Japan (NSMT).

The verbatim label data indicated by double quotation marks (“”) are provided for the type specimens, of which the line breaks are indicated by a slash (/).

The observational method, terminology and abbreviations of the endophallus in a fully inflated condition without eversion follow Yamasako & Ohbayashi (2011) but petroleum jelly was used to inflate the endophallus. The abbreviations used in the present paper are as follows: APH: apical phallomer; BPH: basal phallomer; CS: crescent shaped sclerites; CT: central trunk; ED: ejaculatory duct; LSp: large spicules; MPH: median phallomer; MSp: micro spicules; MT: medial tube; PB: pre-apical bulb; SSp: small spicules.

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