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Epipsylla millettiae* sp. nov. (Hemiptera: Psylloidea), a new psyllid from China associated with *Millettia pachyloba* (Fabaceae) with comments on *Epipsylla* including the redescription of *E. hainanana

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Abstract

The small genus *Epipsylla* is diagnosed (adults and immatures), a checklist is given for its constituent species and the phylogenetic relationships of the genus are briefly discussed. *E. millettiae* **sp. nov.**, associated with *Millettia pachyloba* from South China is described, diagnosed and illustrated. It differs from other described *Epipsylla* species in the very narrow paramere. *E. hainanana* Yang & Li is redescribed, and additional details are provided of the male and female terminalia. Following new synonymies are proposed: *Epipsylla guangxiana* Yang & Li, 1983, = *E. whitfordiodendritis* Yang & Li, 1983, **syn. nov.** and *Epipsylla mucunae* Yang & Li, 1984, = *E. ruiliana* Yang & Li, 1984, **syn. nov.**, *E. yunnanica* Yang & Li, 1984, **syn. nov.**

Key words: Jumping plant lice, Liviidae, taxonomy, morphology, distribution, checklist, synonymies

Introduction

The genus *Epipsylla* (Liviidae, Euphyllurinae; Burckhardt & Ouvrard 2012) was established by Kuwayama (1908) for the two species *E. albolineata* (type species) and *E. rubrofasciata* from Taiwan. Crawford (1913, 1917) described *E. pulchra* and *E. forcipata* from the Philippines, the latter being a member of *Boreioglycaspis* (Aphalaridae, Spondyliaspidae; Burckhardt 1991). Laing (1922) added *E. bilineata* from Fiji, and Boselli (1930) redescribed and illustrated the type species, and recorded its immatures for the first time. Yang & Li (1983, 1984) and Yang (1984) described six species (*E. hainanana*, *E. liui*, *E. puerariae*, *E. nadana*, *E. guangxiana* and *E. whitfordiodendritis*), four species (*E. crotalariae*, *E. mucunae*, *E. ruiliana* and *E. yunnanica*) and three species (*E. venusta*, *E. viridis* and *E. wushaensis*) from China, respectively. The immatures of only a few species were described: *E. albolineata*, *E. guangxiana*, *E. puerariae*, *E. rubrofasciata*, *E. venusta*, *E. viridis*, *E. whitfordiodendritis* and *E. wushaensis* (Boselli 1930; Yang & Li 1983; Yang 1984). Currently, 17 nominal species are known, including 15 from China, and one each from the Philippines and Fiji, respectively (Ouvrard 2015). *Epipsylla* occurs also in Australia (Hollis 2004) as well as in the Afrotropical region (unpublished NHMB data).

In the present paper *Epipsylla* is diagnosed, its phylogenetic relationships are discussed and a checklist of its constituent species is provided. In addition, the new species *E. millettiae* **sp. nov.** from China is described and illustrated, and more details of the male and female terminalia of *E. hainanana* are provided based on recent collections.