

***Mollitrichosiphum* Suenaga from China (Hemiptera: Aphididae), with the description of one new species**

DONG ZHANG^{1,2} & GEXIA QIAO^{1,3}

¹Key Laboratory of Zoological Systematics and Evolution, Institute of Zoology, Chinese Academy of Sciences, Beijing 100101, China

²College of Biological Sciences and Biotechnology, Beijing Forestry University, Beijing 100083, China

³Corresponding author. E-mail: qiaogx@ioz.ac.cn

Table of contents

Abstract	1
Introduction	2
Material and methods	2
Taxonomy	2
<i>Mollitrichosiphum</i> Suenaga	2
Key to subgenera of <i>Mollitrichosiphum</i>	4
Key to species of <i>Mollitrichosiphum</i> (Apterous viviparous females)	4
<i>Mollitrichosiphum</i> (<i>Metatrichosiphon</i>) <i>glaucae</i> Takahashi	7
<i>Mollitrichosiphum</i> (<i>Metatrichosiphon</i>) <i>luchuanum</i> (Takahashi)	7
<i>Mollitrichosiphum</i> (<i>Metatrichosiphon</i>) <i>nandii</i> Basu	10
<i>Mollitrichosiphum</i> (<i>Metatrichosiphon</i>) <i>nigrofasciatum</i> (Maki)	11
<i>Mollitrichosiphum</i> (<i>Metatrichosiphon</i>) <i>nigrum</i> sp. nov.	12
<i>Mollitrichosiphum</i> (<i>Metatrichosiphon</i>) <i>niitakaensis</i> (Takahashi)	15
<i>Mollitrichosiphum</i> (<i>Metatrichosiphon</i>) <i>rhusae</i> Ghosh	15
<i>Mollitrichosiphum</i> (<i>Metatrichosiphon</i>) <i>taiwanum</i> (Takahashi)	17
<i>Mollitrichosiphum</i> (<i>Metatrichosiphon</i>) <i>yamabiwae</i> Suenaga	19
<i>Mollitrichosiphum</i> (<i>Mollitrichosiphum</i>) <i>tenuicorpus</i> (Okajima)	19
Acknowledgements	22
References	23

Abstract

The genus *Mollitrichosiphum* Suenaga from China is reviewed, the diagnostic features of the genus are given, and a key to the known Chinese species is given. *Eutrichosiphum alnisuctum* Zhang is a new junior synonym of *Mollitrichosiphum nandii* Basu. *Mollitrichosiphum nigrum* sp. nov. is described from *Meliosma*, *Ailanthus* and *Elaeagnus* in Fujian and Guangxi, China. *Mollitrichosiphum* (*Metatrichosiphon*) *rhusae* Ghosh is recorded for the first time from China. Some hitherto unknown morphs of *Mollitrichosiphum* are described. New data on distributions and host plants are reported for the genus. The specimens studied are deposited in National Zoological Museum of China, Institute of Zoology, Chinese Academy of Sciences and the Natural History Museum, London.

Key words: Greenideinae, *Mollitrichosiphum*, new record, new species, new synonym, China