Additions to *Japanagallia* Ishihara (Hemiptera, Cicadellidae, Megophthalminae) from Guizhou, and Yunnan Provinces, and Guangxi Autonomous Region, Southwest China

HU LI1,2, REN-HUAI DAI1,2 & ZI-ZHONG LI1,2,3

1Institute of Entomology, Guizhou University, Guiyang, Guizhou 550025 P.R. China
2The Provincial Key Laboratory for Agricultural Pest Management of Mountainous Region, Guiyang, Guizhou 550025 P.R. China.
3E-mail: huxxlan@gmail.com

Abstract

The (nine) valid species of *Japanagallia* Ishihara, 1955 from Guizhou, and Yunnan Provinces, and Guangxi Autonomous Region of Southwest China are reviewed and four new species *J. gracilenta* sp. nov., *J. neohamata* sp. nov., *J. trifurcata* sp. nov. and *J. viraktamathi* sp. nov. are described and illustrated. These species can be distinguished by unique features of the aedeagus. *J. hamata* Zhang & Li, 1999 is redescribed and illustrated based on the holotype and material from Guizhou Province and Guangxi Autonomous Region. A checklist and a key for identification of species of the genus *Japanagallia* are provided along with a map showing the distribution of *Japanagallia* in Guizhou, and Yunnan Provinces, and Guangxi Autonomous Region.

Key words: Homoptera, Auchenorrhyncha taxonomy, morphology, distribution, China

Introduction

The leafhopper genus *Japanagallia* was established by Ishihara (1955) for *Agallia pteridis* Matsumura (type-species) based on specimens from Japan. It is the largest genus now in the tribe within the Oriental region, containing 23 species from this region, including 17 Chinese species (Viraktamath 1973, 2011; Zhang & Li 1999; Cai et al. 2001; Zhang 2010; Viraktamath et al. 2012). This genus appears to be restricted to the Oriental region with several species occurring in Southwest China.

Based on recent intensive collecting, Chinese Provinces Guizhou, Yunnan and Guangxi appear to be key areas with rich biodiversity in Southwest China, therefore, discoveries of new taxa in this region are expected.

Matsumura (1905, 1912) described *Japanagallia* species, *Agallia pteridis* Matsumura (type-species) from Taiwan island, and *Japanagallia* species from Japan which was afterwards reported in Guizhou Province of China by Li (1987) (still under the genus *Agallia* at that time). Later, Zhang & Li (1999) described a new species from Guizhou Province; Cai et al. (2001) erected two new species from Zhejiang Province; and Zhang (2010) reported two new species, from Yunnan and Hainan Provinces. Recently, Viraktamath (2011) revised the Oriental and Australian Agalliini species, reporting 12 *Japanagallia* species with Chinese distribution, and including five new species for China; Viraktamath et al. (2012) reviewed the Chinese fauna of Agalliini, listing 17 members of *Japanagallia*, and adding another five new species. So far, the genus *Japanagallia* accommodates 17 species including five known from Guizhou (n = 3) and Yunnan (n = 3) Provinces, and Guangxi (n = 2) Autonomous Region of Southwest China.

In the present study, species of *Japanagallia* recorded from Guizhou, Yunnan Provinces, and Guangxi Autonomous Region of Southwest China are reviewed, and four new species *J. gracilenta* sp. nov. (from Guangxi Autonomous Region), *J. neohamata* sp. nov. (from Guizhou Province, and Guangxi Autonomous Region), *J. viraktamathi* sp. nov. (from Guizhi Autonomous Region) and *J. trifurcata* sp. nov. (from Guizhou, and Yunnan Provinces, and Guangxi Autonomous Region), are described and illustrated increasing the number of species recorded from this region to nine. *Japanagallia hamata* Zhang & Li, 1999 is redescribed and illustrated based on...
**Japanagallia sumatrana** Viraktamath, 2011
Distribution. Indonesia (Sumatra).

**Japanagallia tappana** (Matsumura, 1912)
Distribution. China (Taiwan).

**Japanagallia sclerotica** Viraktamath, Dai & Zhang, 2012
Distribution. China (Shaanxi Prov.).

**Japanagallia trifurcata** sp. nov.
Distribution. China (Guizhou, Yunnan Provs., and Guangxi Aut. Reg.).

**Japanagallia viraktamathi** sp. nov.
Distribution. China (Guangxi Aut. Reg.).

**Japanagallia yoshimotoi** Viraktamath, 2011
Distribution. China (Taiwan).

**Acknowledgements**

The authors are grateful to Dr. Chandra A. Viraktamath (Department of Entomology, University of Agricultural Sciences, India) for reading and revising the original manuscript. This project was supported by an Innovation Fund Project for Graduate Student of Guizhou University (no. Yannong2013007), a National Natural Science Foundation of China (no. 31360524) and a special foundation for developing outstanding young science and technology talents, Guizhou Province, China (Qiankeherenzi (2011) no. 16).

**References**


