



<http://dx.doi.org/10.11646/zootaxa.3856.1.8>

<http://zoobank.org/urn:lsid:zoobank.org:pub:284C2EE5-B2D4-494C-837E-9C9B3380DD2B>

Nomenclatural changes for the genus *Discophorellus* Tsaur & Hsu, 1991 and new replacement name for *Numata* Matsumura, 1935 (Hemiptera: Fulgoromorpha)

JI-CHUN XING^{1,3} & XIANG-SHENG CHEN^{1,2,3,4}

¹Institute of Entomology, Guizhou University, Guiyang, Guizhou, P. R. China, 550025.
E-mail: xingjichun@126.com; chenxs3218@163.com

²College of Animal Sciences, Guizhou University, Guiyang, Guizhou, P. R. China, 550025

³Special Key Laboratory for Development and Utilization of Insect Resources of Guizhou, Guiyang, Guizhou, P. R. China, 550025

⁴Corresponding author

The genus *Discophorellus* belonging to the family Cixiidae (Hemiptera: Fulgoromorpha), was established by Tsaur & Hsu (see Tsaur *et al.*, 1991) with *Discophorellus major* Tsaur & Hsu, 1991 from China (Taiwan) as its type species. Later, Koçak & Kemal (2009) proposed a new replacement name *Tsauria* to *Discophorellus* Tsaur & Hsu, 1991 because the latter is a junior homonym of *Discophorellus* Wibmer & O'Brien, 1986 (Coleoptera). But, *Discophorellus* Tsaur & Hsu, 1991 is still used as valid generic name, Zhang & Chen (2011) described two new species of this genus from Guizhou Province, China, and they did not recognize homonym about *Discophorellus*. Here, two species described by Zhang & Chen (2011) designated under the genus *Discophorellus* are transferred to *Tsauria*, considering the fact that *Discophorellus* Tsaur & Hsu, 1991 preoccupied by Wibmer & O'Brien, 1986. So far, the genus *Tsauria* includes three species: *T. major* (Tsaur & Hsu, 1991), *T. cehengensis* (Zhang & Chen, 2011) and *T. transpinus* (Zhang & Chen, 2011).

The genus *Numata* (Hemiptera: Fulgoromorpha: Delphacidae) was established by Matsumura (1935) for a single species *Stenocranus sacchari* Matsumura, 1910. Until now, this genus contains five species: *N. muiri* (Kirkaldy, 1907), *N. sacchari* (Matsumura, 1910), *N. corporaali* (Muir, 1923), *N. parmenio* Fennah, 1969 and *N. mani* Asche, 1988. This genus is used as a valid generic name in Delphacidae. Unfortunately, the genus name *Numata* is preoccupied and was initially introduced by Busck (1906) for a genus of the family Gelechiidae (Lepidoptera) with *Numata bipunctella* Busck, 1906 as the type species (Lee *et al.*, 2009). Thus, the genus *Numata* Matsumura, 1935 is a junior homonym of the genus *Numata* Busck, 1906. According to Article 60 of the International Code of Zoological Nomenclature (ICZN 1999), we propose the new replacement name *Matsumuramata* **nom. nov.** for *Numata* Matsumura, 1935. Accordingly, five new combinations are herein proposed for the Delphacidae species currently included in this genus: *Matsumuramata muiri* (Kirkaldy, 1907), *Matsumuramata sacchari* (Matsumura, 1910), *Matsumuramata corporaali* (Muir, 1923), *Matsumuramata parmenio* (Fennah, 1969) and *Matsumuramata mani* (Asche, 1988).

Family Cixiidae Spinola, 1839

Tsauria Koçak & Kemal, 2009

Discophorellus Tsaur & Hsu, 1991: 21; Zhang & Chen, 2011: 60.

Tsauria Koçak & Kemal, 2009: 6, *nom. nov.* for *Discophorellus* Tsaur & Hsu, 1991, nec Wibmer & O'Brien, 1986.

Type species: *Discophorellus major* Tsaur & Hsu, 1991

Tsauria major (Tsaur & Hsu, 1991)

Discophorellus major Tsaur & Hsu, 1991: 21; Zhang & Chen, 2011: 63.

Tsauria major (Tsaur & Hsu, 1991) Koçak & Kemal, 2009: 6

Tsauria cehengensis (Zhang & Chen, 2011) *comb. nov.*

Discophorellus cehengensis Zhang & Chen, 2011: 61-63.

Tsauria transspinus (Zhang & Chen, 2011) comb. nov.
Discophorellus transspinus Zhang & Chen, 2011: 64-67.

Family Delphacidae Leach, 1815

Genus *Matsumuramata* nom. nov.

Numata Matsumura, 1935: 139 (Hemiptera: Fulgoromorpha: Delphacidae). Preoccupied by *Numata* Busck, 1906: 724 (Lepidoptera: Gelechioidea: Gelechiidae).

Type species: *Stenocranus sacchari* Matsumura, 1910

Etymology. The generic name is dedicated to Prof. Shōnen Matsumura who is the author of the preexisting generic name *Numata*. Gender: feminine.

Summary of nomenclatural changes:

Matsumuramata new replacement name = *Numata* Matsumura, 1935 (nec Busck, 1906)

Matsumuramata sacchari (Matsumura, 1910) **comb. nov.** = *Numata sacchari* (Matsumura, 1910) = *Stenocranus sacchari* Matsumura, 1910

Matsumuramata corporaali (Muir, 1923) **comb. nov.** = *Numata corporaali* (Muir, 1923) = *Dicranotropis corporaali* Muir, 1923

Matsumuramata mani (Asche, 1988) **comb. nov.** = *Numata parmenio* Asche, 1988

Matsumuramata muiri (Kirkaldy, 1907) **comb. nov.** = *Numata muiri* (Kirkaldy, 1907) = *Dicranotropis muiri* Kirkaldy, 1907

Matsumuramata parmenio (Fennah, 1969) **comb. nov.** = *Numata parmenio* Fennah, 1969

Acknowledgements

This work was supported by the National Natural Science Foundation of China (Grant no. 31060290, 31093430, 31160163), the Program of Science and Technology Innovation Talents Team, Guizhou Province (No. 20144001) and the International Science and Technology Cooperation Program of Guizhou (Grant no. 20107005).

References

- Asche, M. (1988) Delphacidae from Cote d'Ivoire. *Revue Française d'Entomologie*, N.S., 10 (2), 151–231.
- Busck, A. (1906) Tineid moths from southern Texas, with descriptions of new species. *Proceedings of the United States National Museum*, 30, 721–736.
<http://dx.doi.org/10.5479/si.00963801.30-1465.721>
- Fennah, R.G. (1969) Delphacidae (Homoptera: Fulgoroidea) from the Sudan Republic. *Acta Entomologica Fennica*, Helsinki, 26, 1–78.
- Fennah, R.G. (1978) Fulgoroidea (Homoptera) from Vietnam. *Annales Zoologici Warszawa*, 34 (9), 207–279.
- ICZN (1999) *International Code of Zoological Nomenclature*. 4th Edition. The International Trust for Zoological Nomenclature, London, 306 pp.
- Kirkaldy, G.W. (1907) Leafhoppers supplement. (Hemiptera). *Bulletin. Hawaiian Sugar Planters' Association Experiment Station. Division of Entomology*, 3, 1–186. [Honolulu]
- Koçak, A.Ö. & Kemal, M. (2009) Two replacement names for the genera in the family Cixiidae (Homoptera). *Centre for Entomological Studies Ankara, Miscellaneous Papers*, 147–148, 5–6.
- Lee, S., Hodges, R.W. & Brown, R.L. (2009) Checklist of Gelechiidae (Lepidoptera) in America North of Mexico. *Zootaxa*, 2231, 1–39.
- Matsumura, S. (1910) *Die schädlichen und nützlichen Insekten vom Zuckerrohr Formosas*. The Keiseisha, Tokyo, 52 pp.
- Matsumura, S. (1935) Revision of *Stenocranus* Fieb. (Hom.) and its allied species in Japan-Empire. *Insecta Matsumurana. Sapporo*, 9, 125–140.