

## Taxonomic revision of the family Derbidae from Korea (Homoptera: Fulgoroidea)

Kwon Y. J., Rahman M. A. & Suh S. J.<sup>1</sup>

School of Applied Bioscience, Kyungpook National University, Daegu 702-701, Korea.  
yjkwon@knu.ac.kr, atikentom@yahoo.com

<sup>1</sup>School of Applied Ecological Resources, Kyungpook National University, Sangju  
742-711, Korea. sjsuh@knu.ac.kr

The planthoppers of the family Derbidae are one of the largest and most morphologically differentiated group among Fulgoromorpha. It consists of economic importance species along with some delightfully delicate external appearances. Hitherto, a total of 10 species under 8 genera have been recorded from Korea (Kwon and Huh, 2001), although it has not been comprehensively studied in Korea. So, further detailed basic taxonomic work is barely needed on this group in Korea.

In the present survey, the authors have revised the members of Korean Derbidae, providing newly recorded 4 genera: *Cedusa* Fowler, *Lamenia* Stål, *Shirakia* Matsumura, *Vekunta* Distant, and 11 species: *Cedusa tamagawana* (Matsumura, 1914), *Lamenia nigricans* Matsumura 1914, *Lamenia nitobei* Matsumura, 1914, *Lamenia albinervis* Matsumura, 1914; *S. infumata* Matsumura, 1914; *V. nigrolineata* Muir, 1914; *V. malloti* Matsumura, 1914, *V. punctula* (Melichar, 1903), *Zoraida kuwayamae* (Matsumura, 1913), *Zoraida koannania* Matsumura, 1914, *Zoraida hubeiensis* Chou et Huang, 1985, along with a new species *Vekunta* n. sp. from Korea.

*Rhotana fuscofasciata*. Distant, 1906, known previously in Korean fauna, is rectified as an erroneous record for *Rhotana maculata* Matsumura, 1914.

In this paper, the authors describe all newly recorded species along with new one, and redescribe the other species with proper illustrations. A key to the genera and species of Derbidae occurring in Korea are also provided here.

**Key words** : Auchenorrhyncha, Fulgoromorpha, Derbidae, Planthopper. Korea

### References

- Anufriev, G.A. & A.F. Emeljanov, 1988, Homoptera and Heteroptera. Keys to the insects of the Far East of the USSR 2: 468–476.  
Kwon, Y.J. & E.Y. Huh, 1998, II. Homoptera. Insects' life in Korea II. Korea Univ., Seoul, 224pp.  
Kwon, Y.J. & E.Y. Huh, 1998, Homoptera (Suborder Auchenorrhyncha). Economic Insects of Korea 19: 460pp.