



## New synonyms and several nomenclatural clarifications on family-group names in the Aphididae (Hemiptera Sternorrhyncha)

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### Abstract

In the context of the preparation of *Part of the List of Available Names of the family group taxa of the superfamily Aphidoidea* for submission to the International Commission on Zoological Nomenclature new synonyms have been detected and several nomenclatural problems have been clarified. Three new objective synonymies are established: Drepanosiphoninae Börner, 1944 **syn. nov.** of Drepanosiphinae Herrich-Schaeffer, 1857, Macrosiphonini Börner, 1952 **syn. nov.** of Macrosiphini Wilson, 1910 and Trichosiphonini Börner & Heinze, 1957 **syn. nov.** of Trichosiphini Wilson, 1910. A subjective synonymy is established: Asiphonaphidina Börner, 1952 **syn. nov.** of Rhopalosiphina Mordvilko, 1914. Dasiina van der Goot, 1918 is an objective invalid name, and it must be replaced, if is necessary by Baizongiina Börner, 1944(1914). Nomenclatural status affecting the names Tetraneuriden, Tycheinae, Pteroclorini and Macrosiphini are clarified: Tetraneuriden is an available name, it is a valid name in some classifications but a junior subjective synonym in others; Tycheinae is an available name but it is a nomen dubium; Pteroclorini is an available but objective invalid name; and Macrosiphini Wilson, 1910(1887) takes the date of Nectarophorini Oestlund, 1887. Also the authorship and date of nomenclatural acts in the chapter on Aphids in the *Handbuch der Pflanzenkrankheiten*, 1932, are clarified.

**Key words:** Aphids, Aphididae, family-group names, new synonyms

### Introduction

Nieto Nafría *et al.* (1998a) published the first catalogue of aphid (Hemiptera Aphididae) family-group names. Later, Nieto Nafría *et al.* (1998b, 2003, 2006) published corrections and additions.

Some time ago we undertook the preparation of *Part of the List of Available Names of the family group taxa of the superfamily Aphidoidea*, under the rules of the Art. 79 of the International Code of Zoological Nomenclature (International Commission on Zoological Nomenclature 1999). This *Part* was approved by the aphidologist present at the *Seventh International Symposium on Aphids* (Fremantle, Western Australia, Australia, October 2005). Later (December, 2005), the *Part* was formally presented to the International Commission on Zoological Nomenclature. The *Part* has been received by the Commission for discussion (Art. 79.2.1), the first step for notification, consultation and voting by the Commission (Art. 72.2.2).

During the project to prepare this *Part*, we have detected several names that are not included in the list by Nieto Nafría *et al.* (1998a), and the successive additions, and we have revisited some nomenclatural problems.

### New synonymies

Three names are new objective synonyms [I.C.Z.N articles 61.3.2. and 61.3.3.]: Drepanosiphoninae Börner, 1944 [page 214] is **syn. nov.** of Drepanosiphinae Herrich-Schaeffer, 1857 [page VII], Macrosiphonini Börner, 1952 [page 157] is **syn. nov.** of Macrosiphini Wilson, 1910 [page 317], and Trichosiphonini Börner & Heinze,