

Revised diagnosis of the genus *Bangana* Hamilton, 1822 (Pisces: Cyprinidae), with taxonomic and nomenclatural notes on the Chinese species

E ZHANG* & YI-YU CHEN

Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan 430072, Hubei Province, P. R. China. Tel: 86-27-87647725; Fax: 86-27-87875132

*Corresponding author.

Abstract

Most morphological characters diagnostic of the 13 Chinese species of the cyprinid genus *Sinilabeo* Rendahl, 1932, are identical to those of the genus *Bangana* Hamilton, 1822. Consequently, these 13 species are transferred to *Bangana*. A revised diagnosis is provided for the now-expanded genus *Bangana*, and a dichotomous key and taxonomic and nomenclatural notes are included for the following valid Chinese species: *B. decora*, *B. dero*, *B. devdevi*, *B. discognathoides*, *B. lemasoni*, *B. lippa*, *B. rendahli*, *B. tonkinensis*, *B. tungting*, *B. wui*, *B. xanthogenys*, *B. yunnanensis*, and *B. zhui*. Literature reports, by Chinese authors, of *Sinilabeo dero* from the upper Irrawady River basin, in Yunnan, are based on misidentifications of *B. devdevi*. *Sinilabeo cirrhinoides* Wu and Lin in Wu, Lin, Chen, Chen and He, 1977, and *S. laticeps* Wu and Lin in Wu, Lin, Chen, Chen and He, 1977, are junior subjective synonyms of *B. devdevi* and *B. lippa*, respectively. *Sinilabeo yunnanensis* Wu, Lin, Chen, Chen and He, 1977, is an available name, and a lectotype is designated for the species. *Bangana zhui* (Zheng and Chen, 1983) is a valid species distinct from *B. yunnanensis*.

Key words: China, *Bangana*, Taxonomy

Introduction

Hamilton (1822) erected *Bangana* as a subgenus of *Cyprinus* Linnaeus (type species: *Cyprinus carpio* Linnaeus) to accommodate ten species, and Jordan (1917) designated *Cyprinus dero* as its type species. However, *Bangana* was later regarded as an invalid taxonomic unit, and its included species were assigned to either *Labeo* Cuvier, 1816 (Jayaram 1981) or *Sinilabeo* Rendahl, 1932 (Wu *et al.* 1977). Kottelat (1985) resurrected *Bangana* and considered it to be a senior synonym of *Tylognathus* Heckel, 1843. *Bangana*