

This monograph summarizes 250 years of information on the subfamily Acidocerinae (Coleoptera: Hydrophilidae), which is one of the largest, and has been considered one of the most taxonomically challenging, lineages of water scavenger beetles. This work presents the taxonomic history of the subfamily, along with a discussion on the morphological variation within the group, and an account of the natural history and habitat preferences of its members. It includes information of fossils, karyotypes and immature stages known for the subfamily. In addition, based on a recent phylogeny, the taxonomic classification of the subfamily has been updated to include 23 genera, two of which are proposed here. Morphological diagnoses, habitus and genitalia images, and summaries of distributional data and habitat information are provided for each genus. A full catalog to 541 species is included, indicating type locality information and references. This is the most comprehensive treatment for a subfamily of aquatic beetles to date.

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THE ACIDOCERINAE (COLEOPTERA, HYDROPHILIDAE): TAXONOMY, CLASSIFICATION, AND CATALOG OF SPECIES

BY
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Colossochares ellipticus (d'Orchymont, 1933), comb. nov.

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