

Revision of *Agrilus acutus* (Thunberg, 1787) and related species (Coleoptera: Buprestidae)

EDUARD JENDEK

Institute of Zoology, Slovak Academy of Sciences, Dúbravská cesta 9, SK-842 06 Bratislava, Slovakia
E-mail: uzaejend@savba.sk

Abstract

A revision of the following species of *Agrilus* is given: *A. acutus* (Thunberg, 1787); *A. dianthus* Kerremans, 1892; *A. coelestis* Deyrolle, 1864; *A. acanthopterus* Harold, 1869; *A. cyaneofasciatus* Théry, 1930; *A. paradiseus* Obenberger, 1924 and *A. mikusiakorum* **new species**. All species are illustrated. The following taxonomic changes are proposed: *A. acanthopterus* and *A. cyaneofasciatus* are revalidated; *A. dianthus* **new status** is considered as a species; *A. acutus* (= *frater* Deyrolle, 1864 **new synonym**; = *menadoensis* Obenberger, 1924 **new synonym**); *A. coelestis* (= *fructus* Kerremans, 1896 **new synonym**; = *lombokanus* Kerremans, 1900 **new synonym**; = *leniens* Obenberger, 1936 **new synonym**); *A. acanthopterus* (= *luzonicus* Kerremans, 1914 **new synonym**; = *piperi* Fisher, 1921 **new synonym**); *A. cyaneofasciatus* (= *indius* Bellamy, 1998 **new synonym**). *Agrilus mucronatus* Boheman, 1858 is a synonym of *A. acanthopterus* and not *A. acutus*. *Agrilus diacanthus* Haan; *A. diacanthus* Dejean, 1836 and *A. asphaltipennis* Obenberger, 1924 are unavailable names. Lectotypes of nine species are designated.

Key words: Taxonomy, synonymy, revision, Coleoptera, Buprestidae, Agrilinae, *Agrilus*

Introduction

Agrilus acutus (Thunberg, 1787) is one of the oldest species described from the Oriental region and is also the most widely distributed (Fig. 16) and the most variable species in this region. Subsequently, many related taxa have been described, which can be characterized by the outer angles of the elytral apices being sharply spinate. Because of the accumulation of taxonomic problems, only selected species are treated in this revision.

The taxa examined herein can be divided into two groups of very closely related species (see key to species): *acutus*-group (*A. acutus*; *A. dianthus* Kerremans, 1892; *A. coelestis* Deyrolle, 1864; *A. acanthopterus* Harold, 1869 and *A. cyaneofasciatus* Théry, 1930) and *paradiseus*-group (*A. paradiseus* Obenberger, 1924 and *A. mikusiakorum* **new species**).