

## Taxonomic and nomenclatural clarifications on the genus *Agrilus* (Coleoptera: Buprestidae: Agrilini)

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JENDEK, E. 2007. Taxonomic and nomenclatural clarifications on the genus *Agrilus* CURTIS (Coleoptera: Buprestidae: Agrilini). *Entomol. Probl.* 37(1–2): 87–95. – The following taxonomic or nomenclatural changes are proposed: *Agrilus* CURTIS, 1825 (= *Wallaceilus* HOLYNSKI, 2003 syn.nov.); *Agrilus aereus* SAUNDERS, 1866 (= *perrierianus* DESCARPENTRIES & VILLIERS, 1967 syn.nov.); *A. auricollis* KIESENWETTER, 1857 (= *distinstipilis* OBENBERGER, 1924 syn.nov.; = *madari* OBENBERGER, 1924 syn.nov.); *A. aurocyaneus* KERREMANS, 1900 (= *valens* KERREMANS, 1900 syn.nov.); *A. convexicollis* REDTENBACHER, 1849 (= *tesari* OBENBERGER, 1935 syn.nov.); *A. cylindratus* KERREMANS, 1896 (= *brooksi* FISHER, 1930 syn.nov.); *A. discicollis* DEYROLLE, 1864 (= *simiolus* KERREMANS, 1896 syn.nov.); *A. graminis* KIESENWETTER, 1857 (= *armenus* OBENBERGER, 1936 syn.nov.; = *barbatus* ABEILLE DE PERRIN, 1897 syn.nov.; = *cervicornis* ABEILLE DE PERRIN, 1897 syn.nov.; = *mamorensis* THÉRY, 1930 syn.nov.; = *talyschensis* OBENBERGER, 1917 syn.nov.); *A. hastulifer* (RATZBURG, 1837) (= *aladaghensis* OBENBERGER, 1918 syn.nov.); *A. humilis* KERREMANS, 1895 (= *tantillus* KERREMANS, 1896 syn.nov.); *A. hyperici* (CREUTZER, 1799) (= *prasinus* MULSANT & REY, 1863 syn.nov.; = *trinacriae* OBENBERGER, 1924 syn.nov.); *A. impopularis* DEYROLLE (= *semivillosus* KERREMANS, 1896 syn.nov.); *A. integerrimus* (RATZBURG) (= *nemeobius* OBENBERGER, 1922 syn.nov.); *A. melanarius* DEYROLLE, 1864 (= *semivestitus* KERREMANS, 1900c syn.nov.); *A. pulcher* SAUNDERS, 1874 (= *albicinctus* FISHER, 1921 syn.nov.); *A. purpurifrons* DEYROLLE, 1864 (= *penangensis* OBENBERGER, 1936 syn.nov.); *A. raapi* KERREMANS, 1900 (= *amatus* KERREMANS, 1912 syn.nov.; = *benguetensis* FISHER, 1921 syn.nov.; = *corporaali* OBENBERGER, 1922 syn.nov.; = *klossi* FISHER, 1930 syn.nov.); *A. scutellaris* DEYROLLE, 1864 (= *venditator* KERREMANS, 1900 syn.nov.; = *surcoufi* OBENBERGER, 1924 syn.nov.; = *papua* HOLYNSKI, 2003 syn.nov.); *A. simplex* KERREMANS, 1894 (= *jeannelianus* DESCARPENTRIES & VILLIERS, 1963 syn.nov.); *A. subrobustus* SAUNDERS 1873 (= *boisreymondi* ALEXEEV & BÍLÝ, 1980 syn.nov.); *A. suturalba* DEYROLLE, 1864 (= *densus* KERREMANS, 1896 syn.nov.); *A. viridanus* (KERREMANS, 1900) (= *cyanochloris* FISHER, 1930 syn.nov.); *A. viridicupreus* SAUNDERS, 1866 (= *kelnerae* DESCARPENTRIES & VILLIERS, 1963 syn.nov.); *A. viridifrons* KERREMANS, 1893 (= *verecundus* KERREMANS, 1893 syn.nov.); *A. gussakovskiji* ALEXEEV, 1981 correct original spelling; *A. orestes takaii* NAKANE, 1983 stat.nov. Lectotypes of 43 species are designated. Type localities are determined by the lectotype for: *Agrilus elegans* MULSANT & REY, 1863, *A. miwai* OBENBERGER, 1936 and *A. densus* KERREMANS, 1896.

**Key words:** Taxonomy, nomenclature, synonymy, Palaearctic region, Coleoptera, Buprestidae, Agrilinae, *Agrilus*.

### Introduction

This study presents continuation of taxonomic and nomenclatural studies in the genus *Agrilus* CURTIS, 1825 based on an examination of type specimens. See JENDEK (1994, 1995, 1998, 2000, 2001, 2003a, 2005, 2006, 2007) for prior taxonomic changes.

### Material and methods

The following abbreviations are used in the text: [p], preceding data ‘printed’; [h], preceding data ‘handwritten’; [MS], handwritten (manuscript); [sic!] (= so, thus), a word or phrase that appears strange or incorrect but has been written intentionally or quoted verbatim. Square brackets “[ ]” are used for my remarks and addenda; the backslash “\” is used to separate data from different labels.

Collection codens used throughout the text: BMNH, The Natural History Museum, London, England; DEI, Deutsches Entomologisches Institut, Eberswalde Finow, Germany; EIHU, Hokkaido University, Sapporo, Japan; MCSN, Museo Civico di Storia Naturale “Giacomo Doria”,

Genova, Italy; MHNG, Muséum d’Histoire Naturelle, Geneva, Switzerland; MHNL, Musée d’Histoire Naturelle de Lyon, Lyon, France; MNHN, Muséum national d’Histoire naturelle, Paris, France; NMW, Naturhistorisches Museum, Wien, Austria; NMPC, Národní muzeum, Prague, Czech Republic; USNM, United States National Museum of Natural History, Smithsonian Institution, Washington D.C., U.S.A; ZMAN, Zoologisch Museum, Instituut voor Taxonomische Zoologie, Universiteit van Amsterdam, Amsterdam, Netherlands; ZMHB, Museum für Naturkunde der Humboldt-Universität, Berlin, Germany; ZSMC, Zoologische Staatssammlung, München, Germany.

Taxa are listed in alphabetical order and names in synonymy are chronological. In the following text, each examined taxon is given in its original generic combination and rank. All new nomenclatural or taxonomic acts are indicated by boldface.

According to Article 74.7.3 of the ICZN (1999), lectotype designations after 1999 “must contain an express statement of the taxonomic purpose of the designation”. Lectotype designations herein are provided in order to preserve the stability of nomenclature by fixing the status of

the specimen as the sole name-bearing type of a particular nominal taxon and in order to specify the type locality. Some lectotype designations are not followed by any taxonomic act but are intended to serve as resources for subsequent revisions since a limited number of type specimens are available. Lectotype designations were made with careful attention to previously accepted usage of a name.

Subsequently fixed name-bearing types of species-group names were provided with a printed red label bearing all relevant data including: type status (e.g., lectotype, paralectotype), specific name in original generic combination and rank, author of name and year of publication, name of designator and year of designation.

#### ***Agrilus* CURTIS, 1825**

= *Wallaceilus* HOLYNSKI, 2003 **syn.nov.**

HOLYNSKI (2003) proposed *Wallaceilus* as a new subgenus of *Agrilus* including the new species *Agrilus* (*Wallaceilus*) *papua* HOLYNSKI, 2003 and *A. scutellaris* DEYROLLE, 1864 as a type species. Based upon the type examination, I consider *A. papua* and *A. scutellaris* to be conspecific (see under *A. scutellaris*). The subgenus *Wallaceilus* is de facto distinctive only by deep circular excavation of the front. All remaining characters (e.g. short antennae, lacking prehumeral carinae, spinose scutellar apex, conformation of elytral apices) occur very frequently within *Agrilus*. Because the frons in *Agrilus* is also very often modified (impressions, depressions, sulci, protuberances) I do not consider characters given by Holyński to be distinctive enough to keep *Wallaceilus* as a valid subgenus.

#### ***Agrilus aequalis* KERREMANS**

*Agrilus aequalis* KERREMANS, 1900a: 4, 21, 25-26.

**Lectotype by present designation**, ♂: “Sumatra, Weyers [h] \ aequalis Kerr. Type [h] \ SYNTYPE [p] [round label with blue border] \ Kerremans 1903-59 [p]” and three paralectotypes from the same locality are deposited in BMNH. The exact number of syntypes is unknown.

**Remarks.** One paralectotype is not conspecific with *A. aequalis*.

#### ***Agrilus aereus* SAUNDERS**

= *perrieri* BAUDON, 1965

= *perrierianus* DESCARPENTRIES & VILLIERS, 1967 **syn.nov.**

*Agrilus aereus* SAUNDERS, 1866: 318. Lectotype, sex not examined, BMNH: “Type H. T. [p] [round label with red border] \ Type [p] \ Laas [h] Mouhot [p] \ aereus ES [h] \ Saunders 74.18 [p]”. The exact number of syntypes is unknown. Lectotype designation by DESCARPENTRIES & VILLIERS (1967).

**Remarks.** The original description of *A. aereus* neither implies nor requires that there were syntypes, then DESCARPENTRIES & VILLIERS (1967) by the mention about “the type” validly fixed the lectotype (ICZN, Article 74.6.). *Agrilus perrierianus* is a replacement name for *A. perrieri*

BAUDON, 1965 (junior primary homonym of *A. perrieri* FAIRMAIRE, 1902).

#### ***Agrilus auricollis* KIESENWETTER**

= *distinstipilis* OBENBERGER, 1924 **syn.nov.**

= *madari* OBENBERGER, 1924 **syn.nov.**

*Agrilus auricollis* KIESENWETTER, 1857: 125, 149-150.

Lectotype designated by JENDEK (2003a).

*Agrilus auricollis* var. *distinstipilis* OBENBERGER, 1924a: 49. **Lectotype by present designation**, sex not examined, NMPC: “Gallia: Montpellier [h] \ [TYPUS [p] [red label] \ *Agrilus auricollis* var. *distinctipilis* [sic!] m. Type [h] Det. Dr Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24805 [h] [orange label]”. The exact number of syntypes is unknown.

*Agrilus auricollis* ssp. *madari* OBENBERGER, 1924a: 49.

**Lectotype by present designation**, sex not examined, NMPC: “Cauc. occ. [h] \ [TYPUS [p] [red label] \ *Agrilus auricollis* var. [sic!] *Madari* m. Type [h] Det. Dr Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24806 [h] [orange label]”. The exact number of syntypes is unknown.

**Remarks.** The name “*distinstipilis*” was proposed with no indication about its etymology. Incorrect transliteration or latinization are not to be considered inadvertent errors (ICZN, Article 32.5.1), thus “*distinstipilis*” is the correct original spelling (ICZN, Article 32.2). Subsequent spelling of this name as “*distinctipilis*” by e.g. OBENBERGER (1936b) is subsequent incorrect spellings.

Though the name “*distinstipilis*” was proposed as a variety of *A. auricollis* it should be deemed available, because OBENBERGER (1936b) adopted it as a name of subspecies of *A. auricollis* (ICZN, Article 45.6.4.1).

#### ***Agrilus aurocyaneus* KERREMANS**

= *valens* KERREMANS, 1900 **syn.nov.**

*Agrilus aurocyaneus* KERREMANS, 1900a: 5, 22, 30.

**Lectotype by present designation**, ♂: “Sumatra, Weyers [h] \ aurocyaneus Kerr. Type [h] \ SYNTYPE [p] [round label with blue border] \ Kerremans 1903-59 [p]” and ten paralectotypes with the same locality data are deposited in BMNH. Another paralectotypes are preserved in: MCSN (2 exs), MNHN (5 exs), NMW (1 ex), ZMAN (1 exs), ZMHB (1 ex). The exact number of syntypes is unknown.

*Agrilus valens* KERREMANS, 1900a: 5, 22, 30-31. Holotype by monotypy, ♂, BMNH: “Type [p] [round label with red border] \ Sumatra, Weyers [Kerremans’ MS] \ valens Kerr. Type [Kerremans’ MS] \ *A. valens* Kerrem. Sumatra [h] \ Kerremans 1903-59 [p]”.

#### ***Agrilus coloratus* KERREMANS**

*Agrilus coloratus* KERREMANS, 1894: 473-474.

**Lectotype by present designation**, ♀, BMNH: “Barway, P. Cardon [h] \ coloratus Kerr. Type [h] \ TYPE [p] [round label with red border] \ Kerremans 1903-59 [p]”. The exact number of syntypes is unknown.

*Agrilus convexicollis* REDTENBACHER  
= *tesari* OBENBERGER, 1935 **syn.nov.**

*Agrilus tesari* OBENBERGER, 1935: 167. **Lectotype by present designation**, ♀, NMPC: “Jessjentuk Caucasus [h] \ [TYPUS [p] [red label] \ *Agrilus Tesari* m. Type [h] Det. Dr Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24314 [h] [orange label]”. The exact number of syntypes is unknown.

**Remark.** Type specimens of *A. convexicollis* REDTENBACHER, 1849 were not traced. The conspecificity of *A. convexicollis* and *A. tesari* is judged from the generally accepted concept of *A. convexicollis* (e. g. SCHAEFER, 1949).

#### *Agrilus cupreiceps* WALKER

*Agrilus cupreiceps* WALKER, 1859: 258. **Lectotype by present designation**, ♂: “*Agrilus* [h] \ *cupreiceps* [h] \ G3 52 [h] \ TYPE [p] [round label with red border]” and one paralectotype with the same label data are deposited in BMNH. The exact number of syntypes is unknown.

**Remarks.** Described from Ceylon as indicated from the title of publication.

#### *Agrilus curtulus* MULSANT & REY

*Agrilus curtulus* MULSANT & REY, 1863: 12, 14. **Lectotype by present designation**, ♂: “[round pale label] [the label’s color codes the locality Beaujolais (H. Labrique pers. comm. 2006)]” and three paralectotypes labeled as lectotype are deposited in MHNL. The exact number of syntypes is unknown.

**Remarks.** Described from “Collines du Beaujolais” [= Monts du Beaujolais, Rhône Alpes, France]. A single specimen labeled as a “Type” of *A. curtulus* from “Pyrénées” is deposited in BMNH. The locality of this specimen does not correspond to the type locality thus it is excluded from the type series.

*Agrilus cylindratus* KERREMANS  
= *brooksi* FISHER, 1930 **syn.nov.**

*Agrilus cylindratus* KERREMANS, 1896b: 138-139. **Lectotype by present designation**, ♂: “Sumatra, Manuf. Tabacs [h] \ SYNTYPE [p] [round label with blue border] \ *cylindratus* Kerrem. Type [h] \ Kerremans 1903-59 [p]” and one paralectotype with the same locality data are preserved in BMNH. The exact number of syntypes is unknown.

*Agrilus brooksi* FISHER, 1930b: 73-75. Holotype by monotypy, ♀, USNM: “N. BORNEO SAMAWANG NR. SANDAKAN [p] jungle 14th [h] July, 1927 [p]; [underside] C. B. K[loss]. & H. M. P[endalebury]. F. M. S. Museums. [p] [pink label] \ TypeNo [p] 57432 [h] USNM [p] [red label] \ *Agrilus brooksi* Fisher [p]”.

*Agrilus discicollis* DEYROLLE  
= *simiolus* KERREMANS, 1896 **syn.nov.**

*Agrilus discicollis* DEYROLLE, 1864: 143, 189. Lectotype designated by JENDEK (1998).

*Agrilus simiolus* KERREMANS, 1896b: 143. **Lectotype by present designation**, ♂: “SYNTYPE [p] [round label with blue border] \ Sumatra, Manuf. Tabacs [Kerremans’ MS] \ *simiolus* Kerr. Type [Kerremans’ MS] \ Kerremans 1903-59 [p]” and one paralectotype with the same locality data are deposited in BMNH. The exact number of syntypes is unknown.

**Remarks.** The paralectotype of *A. simiolus* is not conspecific with the lectotype.

#### *Agrilus elegans* MULSANT & REY

*Agrilus elegans* MULSANT & REY, 1863: 14, 17. **Lectotype by present designation**, ♂: “[round black label] [the label’s color codes the locality Provence (H. Labrique pers. comm. 2006)]” and 4 ♂♂ paralectotypes with the same labels as lectotype are deposited in MHNL. The exact number of syntypes is unknown.

**Remarks.** *Agrilus elegans* was originally described from two localities “Marseille, Hyères”.

**Type locality.** Provence (determined by the lectotype (ICZN, Article 76.2)). Provence is part of the administrative région of Provence-Alpes-Côte d’Azur. The traditional region of Provence comprises the départements of Var, Vaucluse, and Bouches-du-Rhône and parts of Alpes-de-Haute-Provence and Alpes-Maritimes.

#### *Agrilus fidelis* KERREMANS

*Agrilus fidelis* KERREMANS, 1896b: 140-141. **Lectotype by present designation**, ♀: “SYNTYPE [p] [round label with blue border] \ Sumatra Weyers [Kerremans’ MS] \ *fidelis* Kerr. Type [Kerremans’ MS] \ Kerremans 1903-59 [p]” and one paralectotype with the same locality data are deposited in BMNH. The exact number of syntypes is unknown.

#### *Agrilus fugax* KERREMANS

*Agrilus fugax* KERREMANS, 1894: 472-473. **Lectotype by present designation**, ♀, BMNH: “Ceram Boucard [h] \ *fugax* Kerr. Type [h] \ TYPE [p] [round label with red border] \ Kerremans 1903-59 [p]”. The exact number of syntypes is unknown.

#### *Agrilus fulvopictus* KERREMANS

*Agrilus fulvopictus* KERREMANS, 1896b: 139-140. **Lectotype by present designation**, ♀, BMNH: “Sumatra, Manuf. Tabacs [h] \ TYPE [p] [round label with red border] \ *fulvopictus* Kerrem. Type [h] \ Kerremans 1903-59 [p]”. The exact number of syntypes is unknown.

**Remarks.** *Agrilus fulvopictus* resembles some Neotropical species (e. g. *A. kaszabi* POCHON, 1967) so it can concern about introduction or locality confusion.

*Agrilus graminis* KIESENWETTER  
= *akbesinus* OBENBERGER, 1924  
= *armenus* OBENBERGER, 1936 **syn.nov.**



= *barbatus* ABEILLE DE PERRIN, 1897 **syn.nov.**  
= *cervicornis* ABEILLE DE PERRIN, 1897 **syn.nov.**  
= *mamorensis* THÉRY, 1930 **syn.nov.**  
= *talyschensis* OBENBERGER, 1917 **syn.nov.**

*Agrilus graminis* KIESENWETTER, 1857: 117, 118, 124, 137-138. Lectotype designated by JENDEK (1998) is based on *A. graminis* sensu Laporte & Gory (JENDEK, 2003b).

*Agrilus graminis* variety *akbesinus* OBENBERGER, 1924a: 50. **Lectotype by present designation**, ♂, NMPC: “SYRIE AKBES CD 1895 [p] \ [TYPUS [p] [red label] \ *Agrilus graminis* v. *Akbesinus* m. Type [h] Det. Dr Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24888 [h] [orange label]”. The exact number of syntypes is unknown.

*Agrilus armenus* OBENBERGER, 1936a: 106. **Lectotype by present designation**, ♀, NMPC: “Erivañ Ca [h] \ [TYPUS [p] [red label] \ *Agrilus Armenus* m. Type [h] Det. Dr Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24332 [h] [orange label]” and one female PLT with the same locality data. The exact number of syntypes is unknown.

*Agrilus barbatus* ABEILLE DE PERRIN, 1897: 34-35. **Lectotype by present designation**, ♂, MNHN: “Lenkoran [h] \ *barbatus* Ab. sp. nov. Typ [h] \ MUSÉUM PARIS Coll. ABEILLE de PERRIN 1919 [p]”. Described from two males.

*Agrilus cervicornis* ABEILLE DE PERRIN, 1897: 35-36. Holotype by monotypy, ♂, MNHN: “*cervicornis* Ab. ♂ typ. unic. [h] \ Mt Edough Hénon [h] \ *cervicornis* Ab. [h] \ TYPE [p] [red ink] \ MUSÉUM PARIS 1935 coll. A. THÉRY [p]”. Described from a single male.

*Agrilus disparicornis mamorensis* THÉRY, 1930: 423, 427, 446. **Lectotype by present designation**, ♂, MNHN: “*Mamora mar. sur chêne liège* 5.7.24 [h] \ *mamorensis* Thery Type ♂ [Théry’s MS] \ TYPE [p] [red ink] \ MUSÉUM PARIS 1935 coll. A. THÉRY [p]” and one ♀ paralectotype with the same locality data. Described from two syntypes. Paralectotype is conspecific with *A. hastulifer* (RATZBURG, 1837).

*Agrilus talyschensis* OBENBERGER, 1917: 215-216. **Lectotype by present designation**, ♀, NMPC: “Kasp. Meer-Geb. Talysch 1897 Korb [p] \ TYPUS [p] [red label] \ *A. talyschensis* m. Typ [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24933 [h] [orange label]”. Paralectotypes: 1 ♀ (NMPC), 1 ex (DEI), both from “Talysch”. The exact number of syntypes is unknown.

**Remarks.** *Agrilus graminis* is very variable in size, body form, color, shape of elytral pubescence and form and proportion of body parts. The only reliable distinctive characters are sexual adaptations of ♂: peculiar form of antennomers, stuff of erect setae on prosternal process, distinct subtriangular impression on tip of last ventrite and form of aedeagus.

THÉRY (1930) cited *A. akbesinus* as an uncertain synonym of *A. disparicornis* BEDEL, 1921 (now synonym of *A. graminis*). Examination of type specimens confirmed its conspecificity with *A. graminis*.

Since BEDEL (1916) *A. barbatus* is considered a synonym of *A. hastulifer*. Examination of the lectotype revealed its conspecificity with *A. graminis*.

ABEILLE DE PERRIN (1897) distinguished *A. cervicornis* mainly by peculiar form of antennomers. Examination of the holotype revealed, that despite of being more expanded, antennomers are conformable to those at *A. graminis*. Moreover, the examined holotype of *A. cervicornis* has the same sexual adaptations as *A. graminis*.

*Agrilus disparicornis mamorensis* is characterized by smaller but robust body. Similar specimens frequently occurs within variability of *A. graminis*.

The lectotype of *A. talyschensis* is a female with expanded elytral pubescence, conspecific with *A. graminis*.

#### ***Agrilus gussakovskiji* ALEXEEV correct original spelling**

*Agrilus gussakovskiji* ALEXEEV, 1981: 3-7. The specific name “*gussakovskiji*” was proposed with no indication about its etymology. Incorect transliteration or latinization are not to be considered inadvertent errors (ICZN, Article 32.5.1), thus “*gussakovskiji*” is the correct original spelling (ICZN, Article 32.2). Subsequent spelling of this name as “*gussakovskii*” by ALEXEEV (1989, 1998) is subsequent incorrect spellings.

#### ***Agrilus hastulifer* (RATZBURG)**

= *aladaghensis* OBENBERGER, 1918 **syn.nov.**

*Agrilus aladaghensis* OBENBERGER, 1918: 24. **Lectotype by present designation**, ♂, NMPC: “*Persia Aladagh. Budschnurd, 1033m. 6. 1902 Coll. Hauser. [p] \ [TYPUS [p] [red label] \ *Agrilus Aladaghensis* m. Type [h] Det. Dr Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24892 [h] [orange label]” and ♂ paralectotype, with the same locality data. The exact number of syntypes is unknown.*

**Remarks.** Type specimens of *A. hastulifer* (Ratzeburg, 1837) were not traced. The conspecificity of *A. hastulifer* and *A. aladaghensis* is judged from the generally accepted concept of *A. hastulifer* (e. g. SCHAEFER, 1949).

#### ***Agrilus humilis* KERREMANS**

= *tantillus* KERREMANS, 1896 **syn.nov.**

*Agrilus humilis* KERREMANS, 1895: 223-224. **Lectotype by present designation**, ♂, BMNH: “TYPE [p] [round label with red border] \ I. Bodjo Weyers [Kerremans’ MS] \ *humilis* Kerr. Type [Kerremans’ MS] \ Kerremans 1903-59 [p] \ *A. humilis* Kerrem. Bodjo [h]”. The exact number of syntypes is unknown.

*Agrilus tantillus* KERREMANS, 1896b: 143-144. **Lectotype by present designation**, ♀, BMNH: “TYPE [p] [round label with red border] \ Sumatra, Manuf. Tabacs [Kerremans’ MS] \ *tantillus* Kerr. Type [Kerremans’ MS] \ Kerremans 1903-59 [p] \ *A. tantillus* Kerrem. Sumatra [h]”. The exact number of syntypes is unknown.

#### ***Agrilus hyperici* (CREUTZER)**

= *albaniae* OBENBERGER, 1922

= *prasinus* MULSANT & REY, 1863 **syn.nov.**

= *trinacriae* OBENBERGER, 1924 **syn.nov.**

*Agrilus albaniae* OBENBERGER, 1922a: 66-67.

**Lectotype by present designation**, ♀, NMPC: “Albania Florina [h] \ TYPUS [p] [red label] \ A. albaniae m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24969 [h] [orange label]”. The exact number of syntypes is unknown.

*Agrilus prasinus* MULSANT & REY, 1863: 17-19.

**Lectotype by present designation**, ♀, MHNL (collection Rey): “[no locality] [round pale label] \ female sign [p]”. The exact number of syntypes is unknown. Described from “Montagnes du Lyonnais”.

*Agrilus trinacriae* OBENBERGER, 1924a: 52. **Lectotype by present designation**, ♀, NMPC: “Sicile [h] \ TYPUS [p] [red label] \ A. Trinacriae m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 24992 [h] [orange label]”. The exact number of syntypes is unknown.

**Remarks.** Type specimens of *A. hyperici* (CREUTZER, 1799) were not traced, its identity is judged from the generally accepted concept (e. g. SCHAEFER 1949).

*Agrilus albaniae* was synonymized by SAKALIAN (2003). Examination of the lectotype of *A. albaniae* reconfirmed his opinion. Type locality “Albania Florina” is determined by lectotype (ICZN, Article 76.2.). Florina is a town or prefecture in the Greece.

*Agrilus prasinus* was considered a synonym of *A. roscidus* KIESENWETTER, 1857 (e.g. PIC 1909) or *A. hyperici* (e. g. COBOS 1986). Examination of the lectotype of *A. prasinus* confirmed its conspecificity with *A. hyperici*.

Lectotype of *A. trinacriae* differs from *A. hyperici* only by having deepen median pronotal sulcus (teratologic?). All remaining characters (acute hind pronotal angles, denser adsutural pubescence) fall under variability of *A. hyperici*.

#### *Agrilus impopularis* DEYROLLE

= *semivillosus* KERREMANS, 1896 **syn.nov.**

*Agrilus impopularis* DEYROLLE, 1864: 146, 199-200. Lectotype designated by JENDEK (1998).

*Agrilus semivillosus* KERREMANS, 1896b: 141. **Lectotype by present designation**, ♀, BMNH: “SYN-TYPE [p] [round label with blue border] \ Sumatra Manuf. Tabacs [Kerremans’ MS] \ semivillosus Kerrem. Type [Kerremans’ MS] \ Kerremans 1903-59 [p]”. Paralectotype, sex not examined (BMNH) with the same locality data. The exact number of syntypes is unknown.

**Remarks.** The paralectotype of *A. semivillosus* is not conspecific with the lectotype.

#### *Agrilus integerrimus* (RATZEBURG)

= *nemeobius* OBENBERGER, 1922 **syn.nov.**

*Agrilus nemeobius* OBENBERGER, 1922a: 22-23. **Lectotype by present designation**, ♂, NMPC: “Sicilia [h] \ TYPUS [p] [red label] \ A. nemeobius m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 26334 [h] [orange label]”. Paralectotype ♂, (NMPC) with the same locality data. The exact number of syntypes is unknown.

**Remarks.** Type specimens of *A. integerrimus* (RATZEBURG, 1837) were not traced, its identity is judged from the generally accepted concept (e. g. SCHAEFER 1949).

There are two type specimens of *A. nemeobius* preserved in NMPC, though CURETTI (1985) stated that *A. nemeobius* was described from a sole specimen. Type specimens of *A. nemeobius* differ by smaller (lectotype 5.8 mm, paralectotype 5.3 mm) and more robust body. All other characters (color, form and structure of pronotum, depth of pronotal sulcus) fall under variability of *A. integerrimus*. Aedeagus is congruent with that of *A. integerrimus*.

#### *Agrilus litura* KIESENWETTER

*Agrilus litura* KIESENWETTER, 1857: 124, 139-140.

**Lectotype by present designation**, ♂, BMNH: “SYN-TYPE [p] [round label with blue border] \ Styrie Kiesenw. [Kerremans’ MS] \ liturus Kiesenw. Type [Kerremans’ MS] \ Collection Chevrolat [p] \ Kerremans 1903-59 [p] \ A. liturus Kiesenw. Eur. mér. [h]”. Paralectotypes are preserved in BMNH (1 ♀); DEI (3 exs); MNHN (1 ex); ZSMC (1 ex); MHNG (1 ex).

#### *Agrilus melanarius* DEYROLLE

= *semivestitus* KERREMANS, 1900 **syn.nov.**

*Agrilus melanarius* DEYROLLE, 1864: 147, 207-208 (LT by Jendek, 1998)

*Agrilus semivestitus* KERREMANS, 1900c: 339-340.

**Lectotype by present designation**, ♂, BMNH: “SYN-TYPE [p] [round label with blue border] \ Sumatra Weyers [Kerremans’ MS] \ semivestitus Kerr. Type [Kerremans’ MS] \ Kerremans 1903-59 [p]”. Paralectotype ♀, BMNH with the same locality data. The exact number of syntypes is unknown.

#### *Agrilus miwai* OBENBERGER

*Agrilus miwai* OBENBERGER, 1936a: 37. **Lectotype by present designation**, ♀, NMPC: “Formosa, Koshun [h] \ [TYPUS [p] [red label] \ Agrilus Miwai m. Type [h] Det. Dr. Obenberger [p] \ Mus. Nat. Pragae Inv. [p] 26858 [h] [orange label]”. The exact number of syntypes is unknown.

**Type locality.** “Formosa, Koshun [= Hengchun, 22°00’N, 120°44’E]”. Determined by the lectotype (ICZN, Article 76.2). Originally described from “Formosa”.

#### *Agrilus nigrocinctus* SAUNDERS

*Agrilus nigrocinctus* SAUNDERS, 1874: 325-326.

**Lectotype by present designation**, ♂, BMNH: “Type [p] [round label with red border] \ Mindanao 193 [h] \ A. nigrocinctus E.S Type [h] [Saunders’ MS] \ Saunders 74.18. [p]”. The exact number of syntypes is unknown.

#### *Agrilus orestes takaii* NAKANE **stat.nov.**

*Agrilus takaii* NAKANE, 1983: 109-110. Holotype, ♀, EIHU: “Shinjyo Koshiyama, Is. Okinoerabu, Amami Iss.

Japan, 1981.VII.17, Y. Takai leg. [h] \ Holotype [p] [red label] \ *Agrilus takaii* Nakane [h] det. T. Nakane [p] [pink label] \ Nakane Coll. Sehu Japan 1999 [p] [green label]”.

**Remarks.** The holotype differs from *A. orestes* KERREMANS, 1913 only by having body more robust and elytral apices less prolonged.

***Agrilus paganettii* OBENBERGER**

= *pisanus* CURLETTI, 1980

*Agrilus pisanus* was erroneously listed by JENDEK (2006) both as a valid species and a synonym of *A. paganettii* OBENBERGER, 1913. *Agrilus pisanus* is a synonym of *A. paganettii* as stated by JENDEK (2005).

***Agrilus pulcher* SAUNDERS**

= *albocinctus* FISHER, 1921 **syn.nov.**

*Agrilus pulcher* SAUNDERS, 1874: 327. **Lectotype by present designation**, sex not examined, BMNH: “TYPE H. T. [p] [round label with red border] \ W Mindanao 188 [h] [round white label] \ *A. pulcher* ES Type \ Saunders 74 18 [p]”. The exact number of syntypes is unknown.

*Agrilus albocinctus* FISHER, 1921: 356, 369-370. Holotype, sex not examined, USNM: “Davao Mindanao Baker [p] \ 8313 [h] \ TypeNo. [p] 51463 [h] U.S.N.M. [p] [red label] \ *Agrilus albocinctus* Fisher. [h] [red label]”. Described from three males.

***Agrilus purpurifrons* DEYROLLE**

= *penangensis* OBENBERGER, 1936 **syn.nov.**

*Agrilus purpurifrons* DEYROLLE, 1864: 138, 163-164. Lectotype designated by JENDEK (1998).

*Agrilus penangensis* OBENBERGER, 1936c: 36-37. **Lectotype by present designation**, ♂, NMPC: “Penang [h] \ [TYPUS [p] [red label] \ *Agrilus penangensis* m. Type [h] Det. Dr Obenberger [p]”. The exact number of syntypes is unknown.

***Agrilus raapi* KERREMANS**

= *amatus* KERREMANS, 1912 **syn.nov.**

= *benguetensis* FISHER, 1921 **syn.nov.**

= *corporaali* OBENBERGER, 1922 **syn.nov.**

= *klossi* FISHER, 1930 **syn.nov.**

*Agrilus raapi* KERREMANS, 1900b: 82. **Lectotype by present designation**, ♀, BMNH: “Type [p] [round label with red border] \ Is Nias, 1897-98 U. Raap [p] \ Raapi Kerr. Type [h] \ *A. raapi* Kerrem. Nias [h]”. A single paralectotype is deposited in MCSN. The exact number of syntypes is unknown.

*Agrilus amatus* KERREMANS, 1912: 75. **Lectotype by present designation**, ♀, MNHN: “Matang Sarawak Moulton [Kerremans’ MS] \ *amatus* Kerr. Type [Kerremans’ MS] \ MUSEUM PARIS COLL. CH. KERREMANS 1923 [p] [yellow label]” and one paralectotype with the same locality data. The exact number of syntypes is unknown.

*Agrilus benguetensis* FISHER, 1921: 356, 361-362. Holotype by monotypy, ♀, USNM: “Baguio Benguet Baker [p] \ Type No. [p] 51458 [h] U.S.N.M. [p] [red label] \ HOLOTYPE [p] [red ink] AGRILUS benguetensis FISHER [h] [white label with red border]”.

*Agrilus corporaali* OBENBERGER, 1922b: 178-179. **Lectotype by present designation**, sex not examined, NMPC: “Corporaali Brastagi 5-1928 [h] \ [TYPUS [p] [red label] \ *Agrilus Corporaali* m. Type [h] Det. Dr Obenberger [p]”. The exact number of syntypes is unknown.

*Agrilus klossi* FISHER, 1930a: 46-47. Holotype, sex not examined, USNM: “PAHANG, F.M.S. Lubok Tamang [p] 3500 [h] ft. [p] 24 th [h] June, 1923 H. M. Pendlebury [p] \ TypeNo [p] 57415 [h] U.S.N.M. [p] [red label] \ *Agrilus klossi* Fisher [h]”. Described from the holotype and one paratype.

**Remarks.** The locality of lectotype and paralectotype of *A. amatus* “Matang Sarawak” does not correspond with “Sarawak: Limbang” cited in the description.

***Agrilus scutellaris* DEYROLLE**

= *venditator* KERREMANS, 1900 **syn.nov.**

= *surcoufi* OBENBERGER, 1924 **syn.nov.**

= *papua* HOLYNSKI, 2003 **syn.nov.**

*Agrilus scutellaris* DEYROLLE, 1864: 135, 148. Lectotype designated by JENDEK (1998).

*Agrilus venditator* KERREMANS, 1900c: 335. **Lectotype by present designation**, sex not examined, BMNH: “Type [p] [round label with red border] \ Sumatra Weyers [Kerremans’ MS] \ *venditator* Kerr. Type [Kerremans’ MS] \ *A. venditator* Kerrem. Sumatra [h] \ Kerremans 1903-59 [p]”. The exact number of syntypes is unknown.

*Agrilus surcoufi* OBENBERGER, 1924b: 117-118. **Lectotype by present designation**, ♂, NMPC: “Sumatra or. [h] \ [TYPUS [p] [red label] \ *Agrilus Surcoufi* m. Type [h] Det. Dr Obenberger [p]”. The exact number of syntypes is unknown.

*Agrilus (Wallaceilus) papua* HOLYNSKI, 2003: 17-19. Holotype, ♂, NMPC: “Nova Guinea [h] \ [TYPUS [p] [red label] \ *Agrilus Papua* m. Type [h] Det. Dr Obenberger [p] \ *Agrilus* [p] papua Hol. 1995 [h] det. R. Holynski [p]”. Described from 3 specimens, two declared as females.

***Agrilus simplex* KERREMANS**

= *jeannelianus* DESCARPENTRIES & VILLIERS, 1963 **syn.nov.**

*Agrilus simplex* KERREMANS, 1894: 470. **Lectotype by present designation**, ♀, BMNH: “Syn- Type [p] [round label with blue border] \ Barway Cardon [h] \ *simplex* Kerr. Type [h] \ *A. simplex* Kerrem. Inde [h] \ Kerremans 1903-59 [p]”. The exact number of syntypes is unknown.

*Agrilus jeannelianus* DESCARPENTRIES & VILLIERS, 1963: 2, 9. Holotype, ♂, MNHN: “MUSÉUM PARIS TONKIN CENTR. ENV. DE TUYEN-QUAN A. WEISS 1901 [p] \ Type [p] [red label] \ *Agrilus jeannelianus* n. sp. nob. Holotype ♂, Descarpentries et [p] Villiers, det. 19 [p] 63 [h]”.



*Agrilus sopes* LEWIS  
= *quadrictululus* OEBENBERGER 1940

*Agrilus quadrictululus* was erroneously listed by JENDEK (2006) as a synonym of *A. quadrisignatus* MARSEUL, 1866 instead of synonym of *A. sopes* LEWIS, 1893 as given by JENDEK (2005).

*Agrilus subrobustus* SAUNDERS  
= *boisreymondi* ALEXEEV & BÍLY, 1980 **syn.nov.**

*Agrilus subrobustus* SAUNDERS, 1873: 516-517. Lectotype designated by JENDEK (1995).

*Agrilus boisreymondi* ALEXEEV & BÍLY, 1980: 604-605. Holotype, ♀, NMPC: “China [p] 1907 Kiu Kiang [h] \ Dr. du Bois-Reymond Shanghai [p] \ *Agrilus bois-reymondi* sp. n. [h] Alexeev det. [p] \ HOLOTYPE [p] *Agrilus boisreymondi* [h] Sv. Bílý det. [p] et Alexeev 1977 \ Mus. Nat. Praga Inv. [p] 65340 [h] [red label]”. Described from a single female.

**Remarks.** ALEXEEV & BÍLY (1980) probably by mistake cited “Severnaya Birma, Kin-Kiang” as the type locality. Holotype comes from “China Kiu Kiang” (see above) [= Jiujiang, Jiangxi province, 29° 42' N, 116° 8' E].

*Agrilus suturaalba* DEYROLLE  
= *densus* KERREMANS, 1896 **syn.nov.**

*Agrilus suturaalba* DEYROLLE, 1864: 139, 168-169. Lectotype designated by JENDEK (1998).

*Agrilus densus* KERREMANS, 1896a: 362. **Lectotype by present designation**, ♀: “Mentawai, Si Oban IV-VIII, Modigliani 94 [p] \ SYNTYPE [p] [round label with blue border] \ *densus* Kerr. Type [Kerremans' MS] \ Kerremans 1903-59 [p] \ *A. densus* Kerrem. Mentawai [h]” and one paralectotype ♀ with the same locality data are deposited in BMNH. Another paralectotypes are preserved in: MNHN (1 ex), MCSN (3 exs). The exact number of syntypes is unknown.

**Type locality.** “Mentawai, Si Oban”, Indonesia. Determined by the lectotype (ICZN, Article 76.2).

*Agrilus testor* KERREMANS

*Agrilus testor* KERREMANS, 1900c: 339. **Lectotype by present designation**, ♀, BMNH: “TYPE [p] [round label with red border] \ Sumatra Weyers [Kerremans' MS] \ *testor* Kerr. Type [Kerremans' MS] \ Kerremans 1903-59 [p] \ *A. testor* Kerrem. Sumatra [h]”. The exact number of syntypes is unknown.

*Agrilus videns* KERREMANS

*Agrilus videns* KERREMANS, 1900a: 5, 22, 35. **Lectotype by present designation**, ♀: “SYNTYPE [p] [round label with blue border] \ Sumatra Weyers [Kerremans' MS] \ *videns* Kerr. Type [Kerremans' MS] \ *A. videns* Kerrem. Sumatra [h] \ Kerremans 1903-59 [p]” and eight

paralectotypes with the same locality data are deposited in BMNH. Two paralectotypes are deposited in MNHN and one in ZMHB. The exact number of syntypes is unknown.

*Agrilus viridanus* (KERREMANS)  
= *cyanochloris* FISHER, 1930 **syn.nov.**

*Samboides viridana* KERREMANS, 1900a: 4, 17. Lectotype designated by Jendek (2000).

*Agrilus cyanochloris* FISHER, 1930b: 82-84. Holotype, sex not determined, USNM: “N. BORNEO BETTOTAN NR. SANDAKAN [p] Aug. 6th [h] 1927 [p]; [underside] C. B. K[loss]. & H. M. P[endalebury]. [leg.] F. M. S. Museums. [p] [pink label] \ TypeNo [p] 57437 [h] USNM [p] [red label] \ *Agrilus cyanochloris* Fisher [p]”. Two paratypes preserved in BMNH are probably not conspecific with the holotype. Described from the holotype and two paratypes.

*Agrilus viridicupreus* SAUNDERS  
= *kelnerae* DESCARPENTRIES & VILLIERS, 1963 **syn.nov.**

*Agrilus viridicupreus* SAUNDERS, 1866: 319. **Lectotype by present designation**, ♂: “Type SYN- TYPE [p] [round label with blue border] \ Laas [h] Mouhot [p] \ Type [p] \ Saunders 74.18 [p] \ *viridipurpureus* [sic!] ES Type Laas [h]” and one ♀ paralectotype with the same locality data are deposited in BMNH. The exact number of syntypes is unknown.

*Agrilus kelnerae* DESCARPENTRIES & VILLIERS, 1963: 2, 9. Holotype, ♀, MNHN: “TONKIN REGION DE HOA BINH [p] \ ? [sic!] TYPE [p] [red label] \ *Agrilus Kelnerae* n. sp. Holotype ? [sic!] nob. A. Descarpentries et [h] A. Villiers det. 19 [p] 63 [h]”.

**Remarks.** Type specimens of *A. viridicupreus* lack original Saunders' label with a name. Lectotype was subsequently erroneously labeled as “*viridipurpureus*”.

*Agrilus viridifrons* KERREMANS  
= *verecundus* KERREMANS, 1893 **syn.nov.**

*Agrilus viridifrons* KERREMANS, 1893: 346-347. Holotype by monotypy, ♂, BMNH: “Type [p][round label with red border] \ Belgaum Andrewes [Kerremans' MS] \ *viridifrons* Kerr. Type [Kerremans' MS] \ *A. viridifrons* Kerrem. Inde [h] \ Kerremans 1903-59 [p]”.

*Agrilus verecundus* KERREMANS, 1893: 347-348. Holotype by monotypy, ♀, BMNH: “Type [p][round label with red border] \ Kanara Andrewes [Kerremans' MS] \ *verecundus* Kerr. Type [Kerremans' MS] \ *A. verecundus* Kerrem. Inde [h] \ Kerremans 1903-59 [p]”.

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## References

- ABEILLE DE PERRIN, E. 1897. Supplément à mes précédentes Notes sur les Buprestides. *Revue d'Entomologie*, 16: 33–37.
- ALEXEEV, A.V. 1981. Dva novykh vida zhukov-zlatok Agrilus Curt. (Coleoptera, Buprestidae) iz Primorskogo kraja. pp. 3–9. In: Kulikova, L.S., Arefin, V.S. & Simakova, T.P. (eds) Fauna i èkologiya nasekomykh Primorskogo kraja i Kamchatki. Vladivostok. (in Russian)
- ALEXEEV, A.V. 1989. Buprestidae – Zlatki. pp. 463–489. In: Ler, P.A. (ed.) Opredelitel' nasekomykh Dal'nego Vostoka SSSR, Tom 3, Zhestkokrylye, ili zhuki, Chast' 1, Leningrad, Nauka. (in Russian)
- ALEXEEV, A.V. 1998. K podrodovoi klassifikatsii zlatok roda Agrilus Curtis (Coleoptera, Buprestidae) fauny palearktiki. *Èntomologicheskoe Obozrenie*, LXXVII: 367–383. (in Russian with English summary and subtitle)
- ALEXEEV, A.V. & BILÝ, S. 1980. Novye zlatki roda Agrilus Curtis (Coleoptera, Buprestidae) iz Evrazii. *Èntomologicheskoe Obozrenie*, 59 (3): 600–606. (in Russian with English summary)
- BAUDON, A. 1965. Contribution à l'étude des Buprestidae du Laos (Coleoptera) (1re partie). *Bulletin & Annales de la Société Royale d'Entomologie de Belgique*, 101 (10): 193–230.
- BEDEL, L. 1916. Synonymies de Coléoptères Européens. *Annales de la Société Entomologique de France*, 85: 271–272.
- COBOS, A. 1986. Fauna iberica de coleopteros Buprestidae. Madrid, Imp. Aguirre, 364 pp. Creutzer, C., 1799: *Entomologische Versuche*. Wien, Karl Schaumburg und Comp., 142 pp., 3 col. pls.
- CURLETTI, G. 1985. Su alcuni Buprestidi Italiani endemici o presunti tali (Coleoptera, Buprestidae). *Rivista Piemontese di Storia Naturale*, 6: 231–239.
- CURLETTI, G. 1980. Agrilus pisanus n. sp. dell'Italia peninsulare (Coleoptera Buprestidae). *Bolletino della Società entomologica italiana*, 112 (9–10): 171–174.
- DESCARPENTRIES, A. & VILLIERS, A. 1963. Catalogue raisonne des Buprestidae d'Indochine. III. Agrilini, genre Agrilus (troisième partie). *Bulletin de l'Institut royal des Sciences naturelles de Belgique*, 39 (11): 1–23.
- DESCARPENTRIES, A. & VILLIERS, A. 1967. Catalogue raisonné des Buprestidae d'Indochine. XII. Agrilini (supplément). *Bulletin du Muséum National d'Histoire Naturelle*, Paris, 2e Série, 39 (1): 143–150.
- DEYROLLE, H. 1864. Description des Buprestides de la Malaisie recueillis par M. Wallace. *Annales de la Société Entomologique de Belgique*, 8: 1–272, 305–312.
- FISHER, W.S. 1921. New Coleoptera from the Philippine Islands. Family Buprestidae, tribe Agrilini. *Philippine Journal of Science*, Manila, 18 (4): 349–447.
- FISHER, W.S. 1930a. New Malayan Buprestidae. *Journal of the Federated Malay States Museums*, 16: 25–57.
- FISHER, W.S. 1930b. New Bornean Buprestidae. *Journal of the Federated Malay States Museums*, 16: 58–97.
- HOLYNSKI, R.B. 2003. New subgenus and five new species of Agrilinae Cast. (Coleoptera: Buprestidae) from the Indo-Pacific and Australian regions. *Annals of the Upper Silesian Museum*, 12: 15–27.
- ICZN (International Commission on Zoological Nomenclature) 1999. International Code of Zoological Nomenclature. Fourth Edition, adopted by the International Union of Biological Sciences. London, International Trust for Zoological Nomenclature, xxix & 306 pp.
- JENDEK, E. 1994. Studies in the East Palaearctic species of the genus Agrilus Dahl, 1823 (Coleoptera: Buprestidae). Part I. *Entomological Problems*, 25 (1): 9–24.
- JENDEK, E. 1995. Studies in the East Palaearctic species of the genus Agrilus (Coleoptera: Buprestidae). Part II. *Entomological Problems*, 26 (2): 137–150.
- JENDEK, E. 1998. Lectotype designations in the Palaearctic and Oriental Agrilus species (Coleoptera: Buprestidae) of the Oberthür's collection in the Muséum national d'Histoire naturelle, Paris. *Acta Societatis Zoologicae Bohemicae*, 62: 315–333.
- JENDEK, E. 2000. Studies in the Palaearctic and Oriental Agrilus (Coleoptera, Buprestidae). I. *Biológia, Bratislava*, 55 (5): 501–508.
- JENDEK, E. 2001. Studies in the Palaearctic and Oriental Agrilus (Coleoptera, Buprestidae). II. *Biológia, Bratislava*, 56 (2): 171–174.
- JENDEK, E. 2003a. Studies in the Palaearctic and Oriental Agrilus (Coleoptera, Buprestidae). III. *Biológia, Bratislava*, 58 (2): 179–190.
- JENDEK, E. 2003b. A correction to the authorship of Agrilus graminis (Coleoptera: Buprestidae). *Zootaxa*, 313: 1–6.
- JENDEK, E. 2005. Taxonomic and nomenclatural notes on the genus Agrilus Curtis (Coleoptera: Buprestidae: Agrilini). *Zootaxa*, 1073: 1–29.
- JENDEK, E. 2006. New nomenclatorial and taxonomic acts, and comments. Buprestidae: Agrilus p. 60. Catalog: genus Agrilus Curtis, 1825, p. 388–403. In: Löbl, I. & Smetana, A. (eds.) Catalogue of the Palaearctic Coleoptera, Vol. 3, Stenstrup, Apollo Books.
- JENDEK, E. 2007. Taxonomic notes on the European species of the genus Agrilus (Coleoptera: Buprestidae: Agrilini). *Folia Heyrovskyana*, Series A, 14 (3): 109–112.
- KIESENWETTER, H. von 1857. Buprestidae, Eucnemidae, Bogen 1–11, [Part of: Kiesenwetter H. von 1857–1863: Vierter Band, Buprestidae-Lymexylidae, Nachträge, Zusätze und Berichtigungen, VI & 746 pp.], p. 1–176. In: Erichson, W. F., Schaum, H., Kraatz, G. & Kiesenwetter, H. von (eds), Naturgeschichte der Insecten Deutschlands. Erste Abtheilung. Coleoptera. 4 Bände. Nicolai, Berlin.
- KERREMANS, C. 1892. Coléoptères du Bengale occidental. 19me mémoire. Buprestides de l'Inde. *Annales de la Société Entomologique de Belgique*, 36: 171–226.
- KERREMANS, C. 1893. Additions aux Buprestides des Indes Orientales. *Annales de la Société Entomologique de Belgique*, 37: 326–357.
- KERREMANS, C. 1894. Buprestides Indo-Malais. *Annales de la Société Entomologique de Belgique*, 38: 468–480.
- KERREMANS, C. 1895. Buprestides Indo-Malais. Deuxième partie. *Annales de la Société Entomologique de Belgique*, 39: 192–224.
- KERREMANS, C. 1896a. Énumération des Buprestides recueillies par M. le Docteur E. Modigliani a Sumatra et dans les îles Mentawai. *Annali del Museo Civico di Storia Naturale di Genova*, Serie 2, 16 (36): 361–371.
- KERREMANS, C. 1896b. Buprestides recueillies dans les tabacs par les soins de M. A. Grouvelle II. Sumatra, III. Bresil. *Annales de la Société Entomologique de France*, 65: 138–176.
- KERREMANS, C. 1900a. Contribution à l'étude de la faune entomologique de Sumatra (Côte ouest - Vice-résidence de Painan). Chasses de M. J. -L. Weyers VI. Buprestides. *Mémoires de la Société Entomologique de Belgique*, 7: 1–60.
- KERREMANS, C. 1900b. Buprestides Indo-Malais. Troisième partie. *Mémoires de la Société Entomologique de Belgique*, 7: 61–93.



- KERREMANS, C. 1900c. Buprestides nouveaux et remarques synonymiques. *Annales de la Société Entomologique de Belgique*, 44: 282–351.
- KERREMANS, C. 1912. A contribution to the study of the insect fauna of Borneo. A list of the Bornean Buprestidae (Part II.). *Sarawak Museum Journal*, 1 (2): 68–82.
- MULSANT, E. & REY, C. 1863. Description de quelques Coléoptères nouveaux et peu connus. *Annales de la Société Linnéenne de Lyon*, (Nouvelle série) 10: 4–29.
- NAKANE, T. 1983. New or little-known Coleoptera from Japan and its adjacent regions, XXXVII. *Reports of the Faculty of Science, Kagoshima University, Earth Sciences and Biology*, No. 16: 109–114.
- O BENBERGER, J. 1913. Bemerkungen über einige neue und einige bekannte Buprestiden-Arten. *Coleopterologische Rundschau*, 2 (2): 25–33.
- O BENBERGER, J. 1917. Studien über paläarktische Buprestiden. II. Teil. *Wiener Entomologische Zeitung*, 36: 209–218.
- O BENBERGER, J. 1918. Ein weiterer Beitrag zur Kenntnis der paläarktischen Buprestiden. *Entomologische Blätter*, 14: 19–25.
- O BENBERGER, J. 1922a. De novis Buprestidarum regionis palaearticae speciebus II. *Časopis Československé Společnosti Entomologické*, 19: 18–29, 66–71.
- O BENBERGER, J. 1922b. Sumatranische Buprestiden. *Tijdschrift voor Entomologie*, 65: 174–183.
- O BENBERGER, J. 1924a. Symbolae ad specierum regionis palaearticae Buprestidarum cognitionem. *Jubilejní Sborník Československé Společnosti Entomologické*, p. 6–59.
- O BENBERGER, J. 1924b. Kritische Studien über die Buprestiden (Col.). *Archiv für Naturgeschichte*, 90 (A) Heft 3: 1–171.
- O BENBERGER, J. 1935. De regionis palaearticae generis Agrili speciebus novis (Col. Bupr.). O nových palaearktických družích krasců z rodu Agrilus. *Časopis Československé Společnosti Entomologické*, 32: 161–171.
- O BENBERGER, J. 1936a. De speciebus novis palaeartice generis Agrilus (Col. Bupr.). Nové palaearktické druhy rodu Agrilus (Col. Bupr.). *Časopis Československé Společnosti Entomologické*, 33: 104–118.
- O BENBERGER, J. 1936b. Buprestidae V. pp. 935–1246. In: Junk, W. & Schenkling, S. (eds) *Coleopterorum Catalogus*, Volumen XIII, Pars 152, Gravenhage, Verlag für Naturwissenschaften, W. Junk.
- O BENBERGER, J. 1936c. De novis regionis orientalis Agrili generis speciebus (Col. Bupr.) II. Nové druhy orientálních krasců rodu Agrilus. *Časopis Československé Společnosti Entomologické*, 33: 33–44.
- O BENBERGER, J. 1940. Ad regionis palaearticae Buprestidarum cognitionem additamenta. Studie o palaearktických krascích (Col. Bupr.). *Acta Musei nationalis Pragae*, (Zool. No. 3) 2 B, No. 6: 111–189.
- PIC, M. 1909. Catalogue analytique et raisonné des Coléoptères de Saône-&-Loire et des départements limitrophes par M. l'Abbé Viturat et M. Louis Fauconnet continue par M. Maurice Pic. *Bulletin de la Société d'Histoire Naturelle d'Autun*, 22: 145–200.
- SAKALIAN, V.P. 2003. A catalogue of the jewel beetles of Bulgaria (Coleoptera: Buprestidae). Sofia – Moscow, Pensoft, 246 pp.
- SAUNDERS, E. 1866. Catalogue of Buprestidae collected by the late M. Mouhot, in Siam, &c., with descriptions of new species. *Transactions of the Entomological Society of London*, 5 (3): 297–322.
- SAUNDERS, E. 1874. Notes on the Buprestidae collected by Professor Semper in the Philippine Islands; with descriptions of the new species. *Transactions of the Entomological Society of London*, 2: 303–328.
- SCHAEFER, L. 1949. Les Buprestides de France. Tableaux analytiques des Coléoptères de la faune franco-rhénane. France, Rhénane, Belgique, Hollande, Valais, Corse. Famille LVI. *Miscellanea Entomologica*, Supplément: 511 pp, 28 pls.
- THÉRY, A. 1930. Études sur les Buprestides de l'Afrique du nord. *Mémoires de la Société des Sciences Naturelles du Maroc*, 19 (1928): 1–586.
- WALKER, F. 1859. Characters of some apparently undescribed Ceylon Insects. *Annals and Magazine of Natural History*, Vol. 3, Third series: 258–265.

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