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**CHRYSOLINA OF THE WORLD – 2021  
(COLEOPTERA: CHRYSOMELIDAE).**

**TAXONOMIC REVIEW**

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## Abstract

### Abstract

Key to genera of the subtribe Chrysolinina is presented, and systematic position of certain genera within this subtribe is discussed. Key to subgenera of the genus *Chrysolina* is compiled. 430 species of all 70 subgenera of the genus *Chrysolina*, as well as 59 species of unnamed groups of the subgeneral rank are reviewed, keyed, and illustrated. Eight species *incertae sedis* are added.

**The "new" nomenclature acts mentioned below in the chapter "Abstract" are not really new, as they were published in the 2019 book.**

**The following new synonyms** are proposed (first comes an invalid name, original spelling is corrected if necessary), the name of the specific rank is followed with the reference to the original combination, then, after "=", there is a valid name in the currently accepted combination:

*Chrysolina* (*Bourdonneana* Kippenberg, 2010) = *Chrysolina* (*Allohypericia* Bechyné, 1950a).

*Chrysolina* (*Mimophaedon* Bourdonné, 1996) = *Chrysolina* (*Atlasiana* Bourdonné et Doguet, 1991).

*Chrysolina* (*Paradiachalcoidea* Daccordi, 1978) = *Chrysolina* (*Diachalcoidea*) Bechyné, 1955.

*Polysticta* Hope, 1840 = *Chrysolina* (*Chersomela* Weise, 1914).

*adamsi* Baly, 1879, *Chrysomela* = *Chrysolina polita* (Linnaeus, 1758).

*africana* Jacoby, 1898, *Chrysomela* = *Chrysolina tricolor* (Vogel, 1870).

*alacris* Bechyné, 1950a, *Chrysolina* (*Menthastriella*) *herbacea* subsp. = *Chrysolina herbacea* (Duftschmid, 1825).

*alaiensis* Lopatin, 1998, *Chrysolina unicolor* subsp. = *Chrysolina dieckmanni* (Mohr, 1966a).

*aleppensis* Bechyné, 1955, *Chrysolina* (*Diachalcoidea*) *aegyptiaca* subsp. = *Chrysolina aegyptiaca* (Olivier, 1807).

*artemisiae* Motschulsky, 1860, *Chrysomela* = *Chrysolina graminis graminis* (Linnaeus, 1758).

*arthritica* Bechyné, 1950, *Chrysolina staphylea* subsp. = *Chrysolina staphylaea staphylaea* (Linnaeus, 1758).

*assurensis* Bechyné, 1955, *Chrysolina* (*Diachalcoidea*) *palmyrensis* subsp. = *Chrysolina aegyptiaca* (Olivier, 1807).

*azurea* Bechyné, 1946, *Chrysolina coerulea* subsp. = *Chrysolina olivieri olivieri* (Bedel, 1892).

*bakuensis* Bechyné, 1952a, *Chrysolina* (*Taeniossticha*) *lurida* subsp. = *Chrysolina imperfecta* (Breit, 1920).

## Abstract

- bechynei* Gressitt et Kimoto, 1963, *Oreina (Chrysolina)* = *Chrysolina seriepunctata* (Weise, 1887a).
- bruttiana* Bourdonné, 1999, *Chrysolina (Maenadochrysa) affinis* subsp. = *Chrysolina affinis hyacinthina* (Suffrian, 1851).
- burjatica* Mikhailov, 2007b, *Chrysolina (Pleurosticha) romani* subsp. = *Chrysolina romani* Mikhailov, 2007b.
- byzantia* Jolivet, 1951, *Chrysolina haemoptera* subsp. = *Chrysolina haemoptera* (Linnaeus, 1758).
- canfrancensis* Bechyné, 1952b, *Chrysolina (Ovosoma) vernalis* subsp. = *Chrysolina vernalis pyrenaica* (Dufour, 1843).
- caucasica* Motschulsky, 1860a, *Chrysomela* = *Chrysolina herbacea* (Duftschmid, 1825).
- ceylonica* Maulik, 1926, *Chrysolina* = *Chrysolina stictica* (Stål, 1857).
- corvina* Weise, 1916, *Chrysomela haemoptera* var. = *Chrysolina haemoptera* (Linnaeus, 1758).
- cribellata* Suffrian, 1851, *Chrysomela* = *Chrysolina affinis hyacinthina* (Suffrian, 1851).
- cyaneovinosa* L. Medvedev in: Medvedev, Ammosov, 1978, *Chrysolina* = *Chrysolina baicalica* (Mohr, 1966).
- daccordiana* Kippenberg, 2012, *Chrysolina (Lopatinica)* = *Chrysolina kataevi* Lopatin, 2000.
- decipiens* Franz, 1938, *Chrysomela latecincta* subsp. = *Chrysolina lucidicollis lucidicollis* (Küster, 1845).
- dilecta* Bechyné, 1952, *Chrysolina (Hypericia) cuprina* subsp. = *Chrysolina difficilis* (Motschulsky, 1860).
- diversipes* Bedel, 1892, *Chrysomela (Colaphosoma)* = *Chrysolina sturmi sturmi* (Westhoff, 1882).
- ehumerosa* Bechyné, 1950a, *Chrysolina (Ovostoma) coerulea* subsp. = *Chrysolina olivieri olivieri* (Bedel, 1892).
- elongatior* Bechyné, 1952, *Chrysolina (Hypericia) didymata* subsp. = *Chrysolina didymata* (Scriba, 1791).
- extricata* Bechyné, 1950a, *Chrysolina (Threnosoma) inflata* subsp. = *Chrysolina solata* (Fairmaire, 1879).
- friderici* Wagner, 1927, *Chrysomela sanguinolenta* subsp. = *Chrysolina kuesteri epipleurica* (Reitter, 1913a).
- glebi* Lopatin, 1988, *Chrysolina (Pezocrosita)* = *Chrysolina helenae* (Lopatin, 1968a).

## Abstract

*grancanariensis* Lindberg, 1953, *Chrysomela* = *Chrysolina lucidicollis grossepunctata* (Lindberg, 1950).

*grutii* Baly, 1862, *Chrysomela* = *Chrysolina separata* (Baly, 1860).

*helpferi* Bechyné, 1950a, *Chrysolina (Pierryvettia)* = *Chrysolina conglomerata* Maulik, 1926.

*holdhausi* Franz, 1949, *Chrysomela crassicornis* subsp. = *Chrysolina latecincta norica* (Holdhaus, 1914).

*indosinensis* Bechyné, 1950a, *Chrysolina (Pierryvettia) aurata* subsp. = *Chrysolina separata* (Baly, 1860).

*insulivagans* Bechyné, 1950c, *Chrysolina (Taeniochrysea) americana* subsp. = *Chrysolina americana ubertini* (Marseul, 1887).

*interruptofasciata* Jacoby, 1898, *Atechna* = *Chrysolina pulchella* (Clark, 1864).

*iranica* Jakob, 1954b, *Chrysomela coerulans* subsp. = *Chrysolina coerulans angelica* (Reiche et Saulcy, 1858).

*italica* Weise, 1882, *Chrysomela vernalis* var. = *Chrysolina vernalis vernalis* (Brullé, 1832).

*jailensis* Bechyné, 1952a, *Chrysolina (Taeniossticha) lurida* subsp. = *Chrysolina pseudolurida pseudolurida* (Roubal, 1917).

*jeanneli* Chen, 1934, *Chrysolina* = *Chrysolina polita* (Linnaeus, 1758).

*jelineki* Daccordi et Yang in: Ge, Daccordi, Yang, 2009, *Chrysolina* = *Chrysolina dohertyi* Maulik, 1926.

*korbi* Weise, 1891, *Chrysomela* = *Chrysolina helopioides* (Suffrian, 1851).

*kungeyana* Bourdonné, 2005, *Craspeda (Taeniossticha)* = *Chrysolina tianshanica* (Jacobson, 1910a).

*kuznetzowi* Jacobson, 1897, *Chrysomela* = *Chrysolina poretzkyi poretzkyi* (Jacobson, 1897).

*laeviguttata* Chûjô, 1958, *Chrysolina (Lithopteroides)* = *Chrysolina exanthematica exanthematica* (Wiedemann, 1821).

*laotiana* Sprecher-Uebersax, Daccordi, 2016, *Chrysolina (Pierryvettia)* = *Chrysolina baronii* Daccordi, 1979.

*lineolata* Clark, 1864, *Polysticta* = *Chrysolina marshalli* (Clark, 1864)

*lishangyini* Ge et Daccordi in: Daccordi, Ge, Cui, Yang, 2011, *Chrysolina* = *Chrysolina mikhailovi* Ge et Daccordi in: Daccordi, Ge, Cui, Yang, 2011.

*lobicollis* Fairmaire, 1887, *Chrysomela* = *Chrysolina aurichalcea* (Gebler in: Mannerheim, 1825).

## Abstract

- luchti* Lopatin, 2000, *Chrysolina* = *Chrysolina zangana* Chen et Wang, 1981.
- madrasae* Jacoby, 1900, *Chrysomela* = *Chrysolina fulvoaenea* (Jacoby, 1900).
- malayana* Jacoby, 1896, *Chrysomela* = *Chrysolina sumatrensis* (Jacoby, 1884).
- mangaliana* Bechyné, 1952a, *Chrysolina* (*Taeniosticha*) *lurida* subsp. = *Chrysolina pseudolurida pseudolurida* (Roubal, 1917).
- markamensis* Daccordi et Ge in: Ge, Daccordi, Li, Yang, 2011b, *Chrysolina* = *Chrysolina mikhailovi* Ge et Daccordi in: Daccordi, Ge, Cui, Yang, 2011.
- mauliki* Bechyné, 1950a, *Chrysolina* (*Timarcholina*) = *Chrysolina templetoni* (Baly, 1860).
- mediterranea* Bechyné, 1950, *Chrysolina* (*Euchrysolina*) *graminis* subsp. = *Chrysolina graminis santonici* (Contarini, 1847).
- mikhailovi* Lopatin, 2011, *Chrysolina* = *Chrysolina pudica* L. Medvedev, 1970.
- montanella* Bechyné, 1950a, *Chrysolina* (*Ovostoma*) *coerulea* subsp. = *Chrysolina olivieri olivieri* (Bedel, 1892).
- muchi* Mohr, 1969, *Chrysomela vernalis* subsp. = *Chrysolina vernalis vernalis* (Brullé, 1832).
- nepalensis* Hope, 1831, *Chrysomela* = *Chrysolina exanthematica exanthematica* (Wiedemann, 1821).
- nevesinjensis* Bechyné, 1952a, *Chrysolina* (*Taeniosticha*) *lurida* subsp. = *Chrysolina pseudolurida pseudolurida* (Roubal, 1917).
- nilotica* Bechyné, 1950, *Chrysolina* (*Colaphoptera*) *blanchei* subsp. = *Chrysolina blanchei* (Fairmaire, 1865).
- novozhenovi* Mikhailov, 2007a, *Chrysolina* (*Pleurosticha*) = *Chrysolina sylvatica* (Gebler, 1823).
- nuratavica* Lopatin, 1972, *Gnathomela valida* subsp. = *Chrysolina glasunovi* (Bechyné, 1962).
- nyalamana* Chen et Wang in: Wang, Chen, 1981, *Chrysolina* = *Chrysolina zangana* Chen et Wang, 1981.
- obscuriventris* Codina Padilla, 1960, *Chrysomela vagecincta* subsp. = *Chrysolina vagecincta sarroensis* Kocher, 1958.
- obsoleta* Brullé, 1838, *Chrysomela* = *Chrysolina costalis* (Olivier, 1807).
- ohoi* Chûjô, 1958, *Chrysolina* (*Hypericia*) = *Chrysolina nikkoensis* (Jacoby, 1885).
- oschanini* Lopatin, 1965, *Chrysomela* = *Chrysolina juldusana* (Lopatin, 1962).
- ottomana* Bechyné, 1950a, *Chrysolina* (*Ovosoma*) *vernal* subsp. = *Chrysolina vernalis vernalis* (Brullé, 1832).

## Abstract

- palliat*a Vogel, 1870, *Chrysomela* (*Polysticta*) = *Chrysolina eburnipennis* (Clark, 1864).
- palmyrensis* Bechyné, 1955, *Chrysolina* (*Diachalcoidea*) *palmyrensis* subsp. = *Chrysolina aegyptiaca* (Olivier, 1807).
- pappi* Bourdonné, 2008, *Craspeda* (*Taenios*ticha) *pseudolurida* subsp. = *Chrysolina pseudolurida lineata* Bechyné, 1952.
- pavlenkoi* Jacobson, 1924, *Chrysomela* = *Chrysolina jacobyi* (Baly, 1878b).
- perforata* L.Redtenbacher, 1848, *Chrysomela* = *Chrysolina separata* (Baly, 1860).
- pernitescens* Bechyné, 1952, *Chrysolina* (*Maenadochrysa*) *femoralis* subsp. = *Chrysolina femoralis bargusiana* Bechyné, 1950.
- persica* Jolivet, 1951, *Chrysolina haemoptera* subsp. = *Chrysolina haemoptera* (Linnaeus, 1758).
- piffli* Lopatin, 1967, *Chrysomela* (*Chrysolina*) *coerulans* subsp. = *Chrysolina coerulans bella* (Jacoby, 1890).
- plusquamperfecta* Bechyné, 1952a, *Chrysolina* (*Taenios*ticha) *imperfecta* subsp. = *Chrysolina imperfecta* (Breit, 1920).
- progressa* Vogel, 1870, *Chrysomela* (*Polysticta*) = *Chrysolina repanda* (Wiedemann, 1821).
- punjabiensis* Abdullah et Qureshi, 1969, *Chrysolina* = *Chrysolina coerulans bella* (Jacoby, 1890).
- quangoensis* Bechyné, 1948a, *Chrysolina* (*Polysticta*) *tortuosa* subsp. = *Chrysolina hebe* (Clark, 1864).
- recticollis* Motschulsky, 1860a, *Chrysomela* = *Chrysolina herbacea* (Duftschmid, 1825).
- redtenbacheri* Kippenberg, 2010, *Chrysolina* (incertae sedis) = *Chrysolina separata* (Baly, 1860).
- relicta* L.Medvedev, 1977, *Chrysolina coerulans* subsp. = *Chrysolina coerulans coerulans* (Scriba, 1791).
- revestita* Vogel, 1870, *Chrysomela* (*Polysticta*) = *Chrysolina pardalina* (Fabricius, 1781).
- rubricrus* Desbrochers des Loges, 1898, *Chrysomela* = *Chrysolina tortipennis* (Fairmaire, 1865).
- rufomarginata* Baly, 1879, *Chrysomela* = *Chrysolina aegyptiaca* (Olivier, 1807).
- samarensis* Bechyné, 1950a, *Chrysolina* (*Taenios*ticha) = *Chrysolina pseudolurida pseudolurida* (Roubal, 1917).
- schallehni* Reineck, 1914, *Chrysomela graminis* var. = *Chrysolina graminis santonici* (Contarini, 1847).
- scorodon* Marseul, 1886, *Chrysomela* = *Chrysolina solata* (Fairmaire, 1879).



## Abstract

- sculpticollis* Bechyné, 1948, *Chrysolina marginata* subsp. = *Chrysolina interstincta subseriata* (Suffrian, 1851).
- sierrana* Franz, 1958, *Chrysomela latecincta* subsp. = *Chrysolina lucidicollis lucidicollis* (Küster, 1845).
- sinica* Lopatin, 2008, *Chrysolina* = *Chrysolina zhongdiana* Chen et Wang, 1984.
- slovaca* Bechyné, 1946, *Chrysolina coerulea* subsp. = *Chrysolina olivieri olivieri* (Bedel, 1892).
- splendorifera* Motschulsky, 1860a, *Chrysomela* = *Chrysolina coerulans angelica* (Reiche et Saulcy, 1858).
- staneki* Bechyné, 1949, *Chrysolina cuprina* subsp. = *Chrysolina cuprina* (Duftschmid, 1825).
- stevensii* Baly, 1862, *Chrysomela* = *Chrysolina bowringii* (Baly, 1860).
- suarezi* Cobos, 1952, *Chrysolina (Melasomoptera) lucida* subsp. = *Chrysolina lucida torresi* Bechyné, 1950a.
- subalpina* Csiki, 1953, *Chrysomela caerulea* var. = *Chrysolina olivieri collina* (Csiki, 1953).
- subfastuosa* Motschulsky, 1860, *Chrysomela* = *Chrysolina fastuosa fastuosa* (Scopoli, 1763).
- sumatrensis borneensis* Bechyné, 1950a, *Chrysolina (Pierryvettia)* = *Chrysolina sumatrensis* (Jacoby, 1884).
- talyshana* Bechyné, 1950a, *Chrysolina (Menthastriella) herbacea* subsp. = *Chrysolina herbacea* (Duftschmid, 1825).
- tangeriana* Kocher, 1958, *Chrysomela (Threnosoma)* = *Chrysolina afra afra* (Erichson, 1841).
- thalassina* Reiche et Saulcy, 1858, *Chrysomela* = *Chrysolina affinis hyacinthina* (Suffrian, 1851).
- thraeissa* Bechyné, 1950a, *Chrysolina (Ovosoma) orientalis* subsp. = *Chrysolina orientalis* (Olivier, 1807).
- tingitana* Escalera, 1914, *Chrysomela grossa* var. = *Chrysolina grossa grossa* (Fabricius, 1792).
- tortuosa* Bechyné, 1948a, *Chrysolina (Polysticta)* = *Chrysolina hebe* (Clark, 1864).
- tundralis* Jacobson, 1910, *Chrysomela (Pleurosticha) septentrionalis* var. = *Chrysolina poretzkyi poretzkyi* (Jacobson, 1897).
- ussuriensis* Jacobson, 1901, *Chrysomela* = *Chrysolina difficilis* (Motschulsky, 1860).
- uzbekorum* Bechyné, 1950a, *Chrysolina (Menthastriella) coerulans* subsp. = *Chrysolina coerulans bella* (Jacoby, 1890).
- venustula* Chapuis, 1877, *Paropsis* = *Chrysolina lineoligera* (Vogel, 1870).
- vigintipustulata* Thunberg, 1787, *Chrysomela* = *Chrysolina pardalina* (Fabricius, 1781).

## Abstract

*vitalisi* Bechyné, 1950a, *Chrysolina* (*Pierryvettia*) = *Chrysolina annamensis* Chen, 1934.

*xanthophryna* Bechyné, 1950, *Chrysolina* (*Maenadochrysa*) *affinis* subsp. = *Chrysolina affinis affinis* (Fabricius, 1787).

*yezoensis* Matsumura, 1911, *Chrysolina* = *Chrysolina difficilis* (Motschulsky, 1860).

*Chrysolina fuliginosa galii* (Weise, 1884a), junior synonym of *Chrysolina violaceocoerulea*

Degeer, 1778, is **used as a valid name** because the senior name, *violaceocoerulea* is *nomen oblitum*.

*Chrysolina avulsa* Bechyné, 1946 is a **distinct species** and not a subspecies of *Ch. fimbrialis*.

Subgenus *Chrysolina* (*Taeniochrysea* Bechyné, 1950a) is **resurrected from synonymy** of the subgenus *Ch.* (*Chrysolinopsis* Bechyné, 1950a).

*Chalcoidea hollandei* Bourdonné, 2012 is **downgraded to subspecies** of *Chrysolina carnifex*. *Chrysolina globipennis* (Suffrian, 1851) is **downgraded to subspecies** of *Ch. olivieri* (Bedel, 1892).

Taxon *epipleurica* (Reitter, 1913a) is a **valid subspecies** *Chrysolina kuesteri epipleurica* and senior synonym of *Ch. kuesteri friderici* (Wagner, 1927), but not a subspecies *Ch. latecincta epipleurica*.

*Chrysolina abchasica* (Weise, 1892) and *Ch. pourtoyi* Bourdonné, 1996 are both **transferred** from the subgenus *Ch.* (*Colaphoptera* Motschulsky, 1860a) and *Ch.* (*Mimophaedon* Bourdonné, 1996), respectively, to the subgenus *Ch.* (*Atlasiana* Bourdonné et Doguet, 1991).

*Chrysolina costalis* (Olivier, 1807) and *Ch. wollastoni* (Bechyné, 1957) are **transferred** from the subgenus *Chrysolina* s.str. to the subgenus *Ch.* (*Rhyssoloma* Wollaston, 1854).

A **new subspecies** is described: *Chrysolina* (*Crositops*) *roddi misha*.

The following **new combinations** are proposed: *Chrysolina furialis* Lopatin, 2013 is transferred to *Suinzona furialis* (Lopatin, 2013); *Chrysolina clavareau* (Chen, 1933) is transferred to *Timarchomima clavareau* (Chen, 1933); *Parambrostoma ambigua* (Chen, 1936) is transferred to *Chrysolina ambigua* (Chen, 1936).

**Lectotypes** of *Chrysolina pseudogeminata* Bechyné, 1950a; *Chrysolina guttifera* var. *sericata* Jacobson, 1901b; *Chrysolina lederi* Weise, 1878; *Chrysolina ordinata* Gebler, 1823; *Chrysolina orientalis* Olivier, 1807; *Chrysolina porphyrea* Faldermann, 1837; *Chrysolina recticollis* Motschulsky, 1860a; *Chrysolina speculifera* Redtenbacher, 1848; *Chrysolina subaenea* Motschulsky, 1860a; *Lithoptera gemmifera* Motschulsky, 1860a; *Lithoptera guttifera* Motschulsky, 1860a; *Lithoptera nigrogemmata* Motschulsky, 1860a are designated.

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**Neotypes** of *Chrysomela coerulea* Olivier, 1807, *Chrysomela cuprina* Duftschmid, 1825; *Chrysomela herbacea* Duftschmid, 1825; *Chrysomela herii* Herrich-Schaeffer, 1839; *Chrysomela marginalis* Duftschmid, 1825; *Chrysomela subcostata* Gebler, 1848; *Chrysomela superba* Thunberg, 1787 are designated.

**Type species** *Chrysomela bella* Jacoby, 1890, nec *Chrysomela bella*: Weise, 1900 is **designated** for *Chrysolina* (*Synerga* Weise, 1900).

**Type species** *Crosita concinna* Weise, 1894b, erroneously identified by L.Medvedev (1982) as *Chrysomela rugulosa* Gebler, 1841 and designated by the monotypy by L.Medvedev (1982), is **designated** for *Chrysolina* (*Lithocrosita* L.Medvedev, 1982).

**Type species** *Taeniossticha poricollis* Motschulsky, 1860a, erroneously identified by Bechyné (1950a) as *Chrysomela lobicollis* Fairmaire, 1887 by the original designation by Bechyné (1950a), is **designated** for *Chrysolina* (*Allohypericia* Bechyné, 1950a).

## Foreword – Acknowledgements

### Foreword

*Chrysolina* is a very diverse genus of leaf-beetles. 489 valid species and eight *incertae sedis* ones are recorded presently. Most species are distributed in Palaearctic. They are fewer in Ethiopian and Oriental regions, and, especially, in Nearctic region. Some species were introduced in Australia, N and S America. Native *Chrysolina* species absent in Neotropical region, however, numerous members of closely related subtribe Doryphorina inhabit that area.

Suffrian (1851) was the first who suggested a system of *Chrysolina* (called *Chrysomela* at that time), based mostly on European species. Motschulsky (1860a) divided *Chrysomela* in a number of new genera. Many of them are presently considered as valid for subgenera of *Chrysolina*. Weise (1882, 1884a) revised Suffrian's classification, based on the European species. Marseul (1886, 1887) published keys and descriptions of Palaearctic *Chrysolina* on the base of the Suffrian's system. Bechyné (1950a, 1952a) laid the foundation for the modern subgeneric system of this genus, studied most of the taxa known at that time, published key to subgenera, subgeneric diagnoses and a number of subgeneric reviews.

The present work is generally based on my checklist (Bieńkowski, 2001) and first volume of worldwide monograph (Bieńkowski, 2007a). The latter includes review of *Chrysolina* subgenera from *Allochrysolina* to *Chrysocrosita* alphabetically ordered.

My new work is an overview of the current state of our knowledge but not a complete revision, since I have not examined types of many nominal taxa. Besides that, I have not seen any specimens of the following valid species: *Ch. doeberli* Daccordi et Yang, 2009 (= *subopaca* Warchałowski, 2007), *Ch. hyperboreica* Mikhailov, 2002, *Ch. kabalaki* Şen, 2015, *Ch. korgonica* Mikhailov, Reshetnikov, 2021, *Ch. lomakini* Mikhailov, 2002, *Ch. luobinwangi* Ge, Daccordi, 2011, *Ch. luyoui* Daccordi, Ge, 2011, *Ch. pubitarsis* Bechyné, 1950a, *Ch. romandudkoi* Mikhailov, 2019, *tshingilica* Mikhailov, 2021; as well as species *incertae sedis*: *Ch. corrugata* Péringuey, 1892, *Ch. cuiiae* Ge, Daccordi, 2011, *Ch. gyacaensis* Daccordi, Yang, 2011, *Ch. kamali* Abdullah et Qureshi, 1969, *Ch. postviolacea* Marseul, 1887, *Ch. taibaica* Chen, 1961, *Ch. tangalaensis* Kimoto, 2001.

I will be grateful for any comments on the book and will try to take them into account in the new edition of this work. I will investigate new materials with interest.

### Acknowledgements

I am very grateful to the official reviewers, E.V. Gus'kova, N.V. Okhrimenko, and R.V. Yakovlev for critical reading of my manuscript.

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I am grateful all colleagues for allowing to study the specimens (and photos of the specimens) from their collections; to the curators of the institutional and museum collections for the generously allowing me to borrow material from the respective collections (curators and private collection owners are mentioned in the beginning of the section "Checklist...").

I am grateful to my eldest son Andrey, who created the software with which I compiled and edited such large keys as "Key to the subgenera..." and key of the *Ch. (zhongdiana)* species group, and to my youngest son Stanislaw for computer processing of photos on the front cover.

## Foreword – Acknowledgements

I have been writing this book for more than 25 years, and in this matter I have always been supported by my wife, Marina, to whom I am very grateful for that.

## Main contents of the book

### How does this book work?

- 1. Morphology and Taxonomy.** This section includes explanation of some special features used in the keys and diagnoses, as well as clarifying some general taxonomical questions.
- 2. Subtribe *Chrysolinina* Chen, 1936a.** Diagnosis of subtribe and key to genera.
- 3. Key to the subgenera and unnamed groups of subgeneric level of the genus *Chrysolina*.**
- 4. Checklist of all the described available names of subgeneric, specific, and intraspecific rank.** Subgenera and species within each subgenus are ordered alphabetically; subspecies within the species are ordered as follows: first comes a nominotypical subspecies, followed by the others alphabetically ordered. All synonyms, belonging to the same taxon, follow in chronological order. Checklist is organized by the following scheme:

Valid name of subgenus Author, year

*Original spelling of the subgeneral name* Author, year: page (type species in its original spelling, corrected if it is necessary [senior synonym of the type species with author, year, presents] method of the type designation)

*valid name of species (subspecies)* Author, year ♂♀\* (\* – the gender of the specimens studied by me) Distribution

*Original spelling of the name in the combination with generic (subgeneric) name* Author, year: page (type locality – enclosed in quotes if cited from the original description directly, or without quotes when taken from original publication, other publications, type labels, etc.; categories of type specimen(s); deposition of the type specimens in Museum(s) or private collection(s); have the type(s) been studied / designated by me or anyone?) [com. №...] – link to the section "6. Comments on taxonomy, nomenclature, and distribution".

- 5. Review of the subgenera, alphabetically ordered, unnamed groups of subgeneric level, and supplement.** This chapter is the result of my research on nomenclature and systematics, the content of which is given in the chapter 6 "Comments...". But the present chapter has no direct links to the relevant sections of the chapter 6. To refer to them, one should find the taxa under consideration in the chapter 4 "Checklist..." and go from there by the links to the necessary sections of the chapter 6.

Each review includes: diagnosis of the subgenus, differential diagnosis, key to species (in some cases, to subspecies) if necessary, figures numbered within each subgenus. Undescribed species (subspecies) are included in this section as follows: "*Ch.* sp. №". These new taxa are included in the present work, but not described here based on the following considerations: 1) the best way to publish new taxa is well-known scientific journals ("Zootaxa", etc.), 2) professor Petr Vladimirovich Matekin taught us that a new taxon should be presented to the scientific community before it is formally described so that colleagues can express their opinion, 3) the present work does not contain complete morphological descriptions of species, the preparation of such descriptions would take a long time and delay the release of the book as a whole, 4) inclusion in the consideration the undescribed species allows to evaluate the diversity of forms within the genus and

## Main contents of the book

subgenera. These new taxa will be described by me in near future in the scientific journals. This section ends with "Species *incertae sedis*". Supplement includes reviews of the genera *Camerounia* and *Timarchomima* taxonomically close to *Chrysolina*.

6. **Comments on taxonomy, nomenclature, and distribution.** The number of each comment corresponds to the number in the section 4 "Checklist... "
7. **Index of nominal taxa included in the Checklist.** This section allows you to find any name in the Checklist. Then, you can determine which subgenus this taxon belongs to, and finally refer to the section "Review of the subgenera..." to identify the species or subspecies.
8. **References** includes, among other citations, the works containing original descriptions of all nominal taxa, belonging to *Chrysolina*.

**Figures** are numbered by chapters. Figure captions and references in the chapter 5 "Review of the subgenera..." begin with the title of the corresponding chapter and look like "*Chrysolina* s.str. figures 1–11"; those in the chapter 6 "Comments..." look like "Fig. 1".

**Material examined** as an additional supporting information will be available on the following sites:

<https://www.zin.ru/Animalia/Coleoptera/rus/bienkows.htm>

[https://www.researchgate.net/profile/A\\_Bienkowski](https://www.researchgate.net/profile/A_Bienkowski)

In addition, it can be obtained from me ([bienkowski@yandex.ru](mailto:bienkowski@yandex.ru)) upon request.