

CHECKLIST OF THE FAMILY TENEBRIONIDAE (Coleoptera) IN Egypt

ELSHEWY, D. A.; M. M. SALEM and NEVEEN E. ELMETWALLY

Insect classification and survey Dept., Plant Protection Res. Inst., ARC, Dokki, Giza

(Manuscript received 30 November 2015)

Abstract

An updated checklist of the Egyptian species of the family Tenebrionidae (Coleoptera) is presented. The list includes about 397 species belonging to 5 subfamilies in 33 tribes based on the records in literatures and material kept in the main reference insect collections of Egypt. Synonyms of some species and the recent taxonomic position are included. The taxa (subfamilies, tribes, genera and species) are arranged in alphabetical order.

Key words: Coleoptera, Tenebrionidae, Egypt.

INTRODUCTION

Family Tenebrionidae (Darkling beetles) is one of the largest families of order Coleoptera, including about 20,000 known species in nearly 1700 genera of worldwide distribution (Booth *et al.*, 1990). Ten subfamilies are accepted now for this family (Loble *et al.*, 2008). The majority are entirely terrestrial and very common in desert and semi-desert areas and are found in rotten wood, under logs and stones, in termite and ant nests, on plant debris, in dry dung of animals and in houses and granaries. Many are generalist feeders on detritus whether of animal or plant material and few are predators. Few species are known to be agricultural or stored products pests. The scientific names and taxonomic position of many species was a subject of taxonomic change in the last decades as a result of more critical studies such as Bouchard *et al.* (2005, 2007, 2009 and 2011). Lawrence and Newton (2005) who provided taxonomic data on the family group names of Coleoptera including Tenebrionidae with studies on biology, phylogeny and classification of some families, subfamilies with selected genera of Coleoptera.

Shalaby (1958) in the alphabetical list of the Egyptian insect in the collection of the Ministry of Agriculture, mentioned 230 tenebrionid species. Later on, El-Moursy (1996) mentioned 307 tenebrionid species of 90 genera, based on material kept in various insect collections in Egypt, although, Alfieri (1976) presented 405 species within 95 genera under 25 tribes of 25 subfamilies as representing the tenebrionid fauna of Egypt.

On the other hand, El-Akkad (2004 and 2005; a&b); El-Metwally (2002&2008) and El-Shewy (2006 & 2012) provided taxonomic studies, including descriptions, keys, synonyms, distribution and taxonomic notes on some Tenebrionidae of Egypt.

The present work provides a complete checklist of the currently known species of in Egypt and their taxonomic position.

MATERIALS AND METHODS

The present study is based on all records of the species of the family Tenebrionidae from Egypt, whether in literature or in the main reference insect collections in Egypt, These collections are: Collection of Ministry of Agriculture, Plant Protection Research Institute, Collection of Alfieri, Al-Azhar University, Faculty of Agriculture, Collection of Egyptian Entomological Society, Collection of Faculty of Science, Cairo University and Collection of Faculty of Science, Ain Shams University. Recent taxonomic position, senior synonyms are provided following Loble *et al* (2008). All taxa (subfamilies, tribes, genera and species) are alphabetically arranged.

RESULTS AND DISCUSSION

The data obtained show that there were 397 Tenebrionid species belonging to 5 subfamilies in 33 tribes with synonyms of some species and the recent taxonomic position are included as following;

Alleculinae

Alleculini

Mycetocharina megalops Fairmaire, 1894

(= *Mycetocharina megalops longipennis* Pic, 1923)

Mycetocharina seminigra Pic, 1925

Cteniopodini

Cteniopus gibbosus Baudi, 1877

Cteniopus priesneri priesneri Wittmer, 1936

Cteniopus priesneri luteiceps Pic, 1939

Heliotaurus angusticollis Mulsant, 1856

Heliotaurus chalybaeus Kirsch, 1869

Heliotaurus goedeli Reitter, 1890*

Heliotaurus parvicollis Reitter, 1872

Omophilus gracilipes Kirsch, 1869

Omophilus lucidus Kirsch, 1869

Omophilus scutellaris Mulsant, 1856

Omophilus tenellus Kirsch, 1869

Diaperinae**Crypticini**

- Cechenosternum rufulum* Motschulsky, 1873
Cechenosternum rufulum nigrosuturale Koch
Crypticus subpunctatus Walker, 1871*
Pseudoseriscius griseovestis (Fairmaire, 1879)
Pseudoseriscius maculosus murinus (Allard, 1882)
 (= *Crypticus maculosus murinus* Allard, 1882)
 (= *Crypticus maculosus var mus* Reitter, 1896)

Diaperini

- Alphitophagus bifasciatus* Say, 1824
Gnathocerus cornutus Fabricius, 1798
Platydemacaesifrons Marseul, 1876*

Myrmechixenini

- Myrmechixenus picinus* Aubé, 1850*

Phaleriini

- Phaleria acuminata acuminata* Küster, 1852*
Phaleria acuminata syriaca Reitter, 1916
Phaleria bimaculata Linnaeus, 1767
Phaleria bimaculata adriatica Rey, 1891
Phaleria prolixa prolixa Fairmaire, 1869
 (= *Phaleria prolixa aegyptiaca* Seidlitz, 1894)
Phtora aegyptaca (Reitter, 1899)
 (= *Cataphronetis aegyptaca* Reitter, 1899)
Phtora apicilaevis (Marseul, 1876)
 (= *Cataphronetis apicilaevis* Marseul, 1876)
Phtora subclavata (Wollaston, 1861)
 (= *Pseudostena subclavata* Wollaston, 1861)

Trachyscelini

- Trachyscelis aphodioides* Latreille, 1809
 (= *Trachyscelis aphodioides subopacus* Pic, 1923)
Trachyscelistenuistriatus Fairmaire, 1886

Lagriinae**Belopini**

- Centorus aegyptiacus* (Zoufal, 1893)
 (= *Belopus aegyptiacus* Zoufal, 1893)
Centorus heydeni Zoufal, 1893*
Centorus microceps (Motschulsky, 1872)
 (= *Belopus microceps* Motschulsky, 1872)

Cossyphini*Cossyphus moniliatus* Reitter, 1917*Cossyphus moniliferus* Chevrolat, 1833**Pimeliinae****Adelostomini***Adelostoma abyssinicum hirsutum* Koch, 1935*Adelostoma cordatum* Solier, 1837*Adelostoma grande* Hagg, 1879*Adelostoma sulcatum sulcatum* Duponchel, 1827(=*Adelostoma sulcatum deplanatum* Haag, 1875)(=*Adelostoma sulcatum grandiformis* Koch, 1935)*Machloopsiscrenatacostata* Redtenbacher, 1868*Machloopsis pseudoalata* Gridelli, 1930*Pogonobasis ornata* Solier, 1837**Adesmiini***Adesmia antiqua antiqua* Klug, 1830(=*Adesmia antiqua aethiopica* Allard, 1885)*Adesmia cancellata abbreviata* Klug, 1830**Adesmia cancellata cancellata* Klug, 1830*Adesmia cancellata clathrata* Solier, 1835**Adesmiacarinatacarinata* Solier, 1835(=*Adesmia elevata* Solier, 1835)*Adesmia cothurnata* Forskal, 1775(=*Adesmia bicarinata* Klug, 1830)(=*Adesmia bicarinata glabrior* Schatz&Koch, 1934)*Adesmia coucyi* Lucas, 1850**Adesmia dilatata affinis* Solier, 1835(=*Adesmia solieri* Lucas, 1844)*Adesmia dilatata dilatata* Klug, 1830(=*Adesmia dilatata drakei* Crotch, 1872)*Adesmia lacunosa* Klug, 1830*Adesmia longipes* Fabricius, 1775*Adesmia metallica* Klug, 1830(=*Adesmia faremonti* Lucas, 1844)(=*Adesmia metallica* var. *chakouri* Reitter, 1916)*Adesmia metallica brozai* Ardoïn, 1978**Adesmia metallica laevior* Ardoïn, 1978**Adesmia metallica syriaca* Baudi, 1874*Adesmia montana acervata* Klug, 1830

Adesmia montana minor Gridelli, 1930
Adesmia montana montana Klug, 1830
Adesmia montana parallela Miller, 1861
Adesmia monilis monilis Klug, 1830
Adesmia monilis pluriseriata Schuster, 1928
Adesmia reticulata (Klug, 1830)
Adesmia reticulatabasimargo Reitt, 1916.
Adesmia tenebrosa Solier, 1835*

Akidini

Akis trilineata Herbst, 1799
 (= *Akis barbara* Solier, 1837)
Akiscyrenaica Schuster, 1928
 (= *Akis reflexa cyrenaica* Schuster, 1928)
Akis elevata elevata Solier, 1836
Akis gestroi Schuster, 1922
 (= *Akis reflexagestroii* Schuster, 1922)
Akis latreillei Solier, 1836
Akis reflexareflexa Fabricius, 1775
Akissculptior Koch, 1935
 (= *Akis spinosa* Linnaeus, 1764)
 (= *Akiselevata* var. *sculptior*, Koch, 1935)
Moricacostitubera (Marseul, 1883)
 (= *Akiscostitubera* Marseul, 1883)
Moricagrossa Linnaeus, 1767

Asidini

Alphasidaauriculata Solier, 1836
 (= *Alphasidamystica* Wilke, 1921)

Bromorphini

Bromorphus aegyptiacus Reitter, 1908

Cnemeplatiini

Cnemeplatia atropos A. Costa, 1847
Philhammus aharonii Reitter, 1910
 (= *Philhammus andresi* Koch, 1935)
Philhammus sericans Fairmaire, 1871*

Erodiini

Amnodeis confluens Miller, 1858
 (= *Amnodeis arabicus* Ritter, 1914)
Amnodeis giganteus Reiche & Saulcy, 1857
Apentanodes globosus Reiche & Saulcy, 1857

- Arthrodeiscrypticoides* Fairmaire, 1879
Arthrodeis rotundatus Solier, 1834
 (= *Arthrodeis rotundatus* var. *gebieni* Reitter, 1914)
 (= *Arthrodeis cruciatus* Solier, 1834)
Erodius bicostatus Solier, 1834
 (= *Erodiustripolitance* Molder, 1943)
Erodius bilineatus Olivier, 1791
Erodius costatus Solier, 1834
Erodius dejeanii Solier, 1834
Erodius duponchelii Allard, 1865
 (= *Erodius dejeanii* var. *duponchelii* Allard, 1865)
 (= *Erodius lineolatus* Reitter, 1914)
Erodius gibbus Fabricius, 1775
 (= *Erodius syriacus* Solier, 1834)
Erodius glabratus Solier, 1834
Erodius kneuckeri Andres, 1920
Erodius kneuckeri semisculptus Koch, 1935
Erodius krugeri Schuster, 1928
Erodius nitidicollis Solier, 1834
 (= *Erodius pulverulentus* Allard, 1873)
Erodius octocostatus Peyerimhoff, 1907
Erodius opacus Kraatz, 1865
Erodius orientalis brevicostatus Solier, 1834
 (= *Erodius dimidiatipennis* Kraatz, 1865)
Erodius puncticollis Solier, 1834
 (= *Erodius contractus* Kraatz, 1865)
Erodius puncticollis maillei Solier, 1834
Erodius puncticollis sinaiticus Crotch, 1872
Erodius quadrilineatus Kraatz, 1865
Erodius zophosoides Allard, 1865

Pimeliini

- Pachylodera brevicornis* Quedenfeldt, 1890
Pimelia aegyptiaca Andres, 1929
 (= *Pimelia nilotica aegyptiaca* Andres, 1929)
Pimelia angulata Fabricius, 1775
Pimelia angulata antiaegypta Koch, 1937
Pimelia angulosa Olivier, 1795
Pimelia arabica Klug, 1830
Pimelia arabicola Schatzmayer & Koch, 1934

- (= *Pimelia canescens arabicola* Schatzmayer & Koch, 1934)
- Pimelia barthelemyi* Solier, 1836
- Pimelia böhmi* Reitter, 1915
- Pimelia bottae* Sénac, 1887
- Pimelia canescens* Klug, 1830
(= *Pimelia depilate* Solier, 1836)
- Pimelia comata* Klug, 1830
(= *Pimelia ornata* Miller, 1861)
- Pimelia confalonierii* Gridelli, 1930
(= *Pimelia consobrina Confalonieri* Gridelli, 1930)
- Pimelia senegalensis* Olivier, 1795
(= *Pimelia cultimargo* Sénac, 1884)
- Pimelia denticostata* Koch, 1935
(= *Pimelia grandis* var. *denticostata* Koch, 1935)
- Pimelia derasa* Klug, 1830
- Pimelia grandis* Klug, 1830
(= *Pimelia sudanica* Fairmair, 1882)
- Pimelia granulata* Solier, 1836
(= *Pimelia doumeti* Sénac, 1882)
(= *Pimelia lucasii* Reiche, 1861)
- Pimelia hirtella* Sénac, 1887
- Pimelia latrillei* Solier, 1836
(= *Pimelia latrillei permixta* Sénac, 1881)
- Pimelia interpunctata* (Klug, 1830)
(= *Doderoellainterpunctata cyrenaica* Suster, 1926)
(= *Doderoella interpunctata interpunctata* Klug, 1830)
(= *Pimelia carinata* Solier, 1836)
- Pimelia letourneuxi* Sénac, 1880
- Pimelia mittrei* Solier, 1836
- Pimelia nilotica* Sénac, 1884
(= *Pimelia angulata nilotica* Sénac, 1884)
- Pimelia priesneri* Koch, 1935
- Pimelia raffrayi* Sénac, 1882
- Pimelia sericea* Olivier, 1795
- Pimelia sinaitica* Schatzmayer & Koch, 1934
(= *Pimelia angulate sinaitica* Schatzmayer & Koch, 1934)
- Pimelia spinulosa* Klug, 1830
- Pimelia subquadrata* Sturm, 1826
(= *Pimelia irrorata* Solier, 1836)

- Pimelia tenuicornis* Solier, 1835
(= *Pimelia granulata tenuicornis* Solier, 1836)
- Pimelia tenuitarsis* Reitter, 1915
- Pimelia theveneti* S nac, 1880
- Pimelia tripolitana* S nac, 1884*
(= *Pimelia tenuicornis* var. *tripolitana* S nac, 1884)
- Pimelia urticata* Klug, 1930
(= *Pimelia urticata exanthematica* Klug, 1830)
- Prionothea coronata* Olivier, 195
- Pterolasia squalid* (Solier, 1836)
(= *Thriptera lanata* Peyerimhoff, 1907
(= *Thriptera boehmi* Reitter, 1908)
- Storthocnemis abyssinica* (Hagg, 1876)
(= *Leucolaephus latifrons* Fairmaire, 1882)
- Storthocnemis steckeri* Karsch, 1881
- Trachyderma andresi* Gridelli 1928
- Trachyderma emondi* (Solier, 1836)
(= *Ocnera longicollis* Desbrochers, 1881)
- Trachyderma genei* (Solier, 1836)
(= *Ocnera habelmanni* Kraatz, 1865)
- Trachyderma hispida* (Forsk l, 1775)
(= *Tenebrio hispida* Forsk l, 1775)
(= *Ocnera hispida latreillei* Solier, 1836)
- Trachyderma leprieuri* (Allard, 1886)
(= *Ocnera sparsispina* Boehm, 1914)
- Trachydermalima* (Petagna, 1819)
(= *Ocnera angustata* Solier, 1836)
- Trachyderma major* (Baudi, 1875)
(= *Ocnera hispida* var. *major*, Baudi, 1875)
- Trachyderma parvicollis* Baudi, 1875
- Trachyderma philistina* Reiche – Saulcy, 1857
- Thriptera crinita* klug, 1830
(= *Thriptera maillei*, Solier, 1836)
(= *Ocnera pygmaea*, Miller, 1861)
- Thriptera kraatzi* Hagg, 1876
(= *Thriptera sororcula* Reitter, 1894)
- Thripteraminuta* (Pic, 1897)
(= *Micipsa minuta* Pic, 1897)
- Thriptera pilipes* Kraatz, 1865

(= *Thripteravarvasi pilipes* Kraatz, 1865)

(= *Thriptera heydeni* Reitter, 1893)

(= *Thriptera guyoti* Anders, 1920)

Thriptera varvasi Solier, 1836

(= *Thriptera debilicornis* Kraatz, 1865)

Sepidiini

Sepidium bathelemyi Solier, 1844*

Sepidiumdathan Crotch, 1872

Sepidium flexuosum Solier, 1844*

Sepidium reichei Allard, 1870

(= *Sepidium reichei bispinicollis* Reitter, 1914)

Sepidium tricuspidatum tricuspidatum Fabricius, 1775

(= *Sepidium tricuspidatum koroh* Crotch, 1872)

Sepidium tricuspidatum tomentosum Erichson, 1841

Vieta costata Allard, 1874

Vieta luxorii Allard, 1874

Vietatuberculata Solier, 184

Stenosini

Dichillusalfierii Koch, 1935

Dichillus cyrenaicus Gridelli, 1930

Eutagenia aegyptiaca Ritter, 1889

Microtelus asiaticus Solier, 1838*

Microtelus cariniceps cariniceps Reiche&Saulcy, 1857

(= *Microtelus cariniceps binodiceps* Ritter, 1907)

(= *Microtelus cariniceps sinaiticus* Koch, 1935)

Microtelus lethierryi Reiche, 1860

(= *Microtelus torretassoi* Schatzmayer&Koch, 1934)

Microtelus schusteri Carl, 1992

Mitotagenia aegyptiaca Koch, 1941

Mitotagenia priesneri Andres, 1931

Stenosis affinis Solier, 1838

Stenosis costulata Baudi, 1881

Stenosis crivellarii Koch, 1935

Stenosis cugiae Gridelli, 1930

Stenosis dilutipes Reitter, 1887

Stenosis elongata Solier, 1838

Stenosis hespanica Solier, 1838

Stenosis hesperica Solier, 1838

Stenosis lateralis Reitter, 1886

Stenosis lateralis bogosensis Reitter, 1886*
Stenosis parvicollis Desbrochers, 1881
Stenosis pubescens Solier, 1838
Stenosis torretassoi Koch, 1935
Tagenostola seriepilosa mulleri Reitter, 1886

Tentyriini

Cyphostethe heydeni Hagg- Rutenberg, 1877
 (= *Cyphostethe saharensis* Chobaut, 1897)
Dialognatha crenata Reiche & Saulcy, 1857
Fourtaus brevicornis Pic, 1920
Hegeterocara arabica Reitter, 1900
Hionthis angusticollis Schuster, 1920
Hionthis tentyrioides Miller, 1861
Hyperops tagenoides aegyptiaca Kraatz, 1865
Imatismus villosus (Haag- Rutenberg, 1870)
 (= *Curimosphena villosus* Haag – Rutenberg, 1870)
Imatismus pavesii (Gestro, 1892)
 (= *Curimosphena pavesii* Gestro)
Mesostena angustata Fabricius, 1775
 (= *Mesostena elegans* Solier, 1853)
 (= *Mesostena punctate* Eschscholtz, 1831)
Mesostena klugii Solier, 1835
Mesostena puncticollis Solier, 1835
Mesostenopa aegyptiaca Koch, 1940
Mesostenopa cavatica Andres, 1926
 (= *Mesostenopa longicornis cavatica* Andres, 1926)
Mesostenopa habessinica habessinica Kraatz, 1865
Mesostenopa longicornis Kraatz, 1865
Mesostenopa picea Kraatz, 1865
Mesostenopa picea agilis Gestro, 1881
Mesostenopa piceasinaitica Schatzmayer & Koch, 1934
Mesostenopa peyerimhoffi Gridelli, 1938
 (= *Mesostenopa gracilis* Peyerimhoff, 1907)
Micipsa douei Lucas, 1856
 (= *Micipsa grandis* Kraatz, 1865)
Micipsa philistine Reiche, Saulcy, 1857
Micipsa schaumii Kraatz, 1856
Oterophloeus alveatus peyerimhoffi Koch, 1935
Oterophloeus deflexangulus Reitter, 1900

Oterophloeusdesioi divinus Koch, 1935
Oterophloeushaagi haagi Kraatz, 1865
Oterophloeushaagi orientalis Koch, 1935
Oxycara ardoini Kaszab, 1979*
Oxycara deronectinum Reitter, 1900
Oxycara ferreri Lillig, 2001*
Oxycara hegetericum Reiche ,Saulcy, 1857
Oxycara occidentale Lillig,2001*
Oxycara peyerimhoffi Lillig, 2001*
Oxycara productum Peyerimhoff, 1907
*Oxycara pumilum*Reitter, 1900*
*Oxycara pygmaeum*Reiche ,Saulcy, 1857
Oxycara subcostatum Guérin, 1862
Phaeotribon pulchellus Kraatz, 1865
Prochoma audouini Solier, 1835*
Psammoica lucida Solier, 1835
Rhytinota praelonga Reiche, 1850
Scelosodiscastaneus Eschscholtz, 1831
Schweinfuthia alfierii Schatzmayer & Koch,1934
Schweinfuthia sinaitica Andres,1922
Tentyria duponti Solier, 1835
Tentyria glabra Fabricius, 1775
Tentyria longicollis Lucas, 1855
Tentyria mauritanica Baudi, 1875*
Tentyria mucronata Steven, 1829*
Tentyria platyceps Steven, 1829*
(= *Tentyria calcarata* Reitter, 1900)
Tentyria punctatastriata Solier, 1835
Tentyria sinaitica Peyerimhoff, 1907
Tentyrina duplicata duplicata Reitter, 1900.
(= *Tentyrina boehmi duplicata* Reitter)
Tentyrina duplicata boehmi Reitter, 1909
(= *Tentyrina boehmi boehmi* Reitter)
Tentyrina duplicata schusteri Schatz.&Koch, 1934.
(= *Tentyrina boehmi Schusteri* Schatz.&Koch)
Tentyrina duplicata brachythorax Gridelli, 1929
Tentyrina duplicata manzonii Gridelli, 1929
Tentyrina orbiculata orbiculata Fabricius, 1775
Tentyrina orbiculata subsulcata Reiche& Saulcy, 1857

Tentyrina palmeri Crotch, 1872
Thraustocolus leptoderus Kraatz, 1865
Thraustocolus montandoni Schuster, 1915
Thraustocolus priesneri Koch, 1934
Trichosphaena perraudieri Marseul, 1867

Zophosini

Zophosis abbreviata Solier, 1834
 (= *Zophosis semilineata* Deyrolle, 1867)
Zophosis bicarinata quadricostata Solier, 1834
Zophosis complanata Solier, 1834
 (= *Zophosis complanata deplanata* Böhm, 1909)
 (= *Zophosis pulverulenta* Deyrolle, 1867)
Zophosis dilatata dilatata Deyrolle, 1867
Zophosis farinosa Blair, 1914
Zophosis lethierryi Deyrolle, 1867*
Zophosis marseuli Deyrolle, 1867
Zophosis minuta Fabricius, 1775
Zophosis nigroaenea Deyrolle, 1867
 (= *Zophosis mozabita* Fairmaire, 1897)
Zophosis oxycaroides Koch, 1935
Zophosis parallela Miller, 1861
Zophosis personata Erichson, 1841
Zophosis pfeifferi Gredler, 1877
Zophosis pharaonis Reitter, 1916
Zophosis plana plana Fabricius, 1775
 (= *Zophosis plana elongata* Koch, 1935)
 (= *Zophosis approximata* Deyrolle, 1867)
 (= *Zophosis astacura* Peyerimhoff, 1931)
 (= *Zophosis carinata* Solier, 1834)
Zophosis posticalis Deyrolle, 1867
Zophosis punctata punctata Brullé, 1832
 (= *Zophosis punctata algeriana* Solier, 1834)
 (= *Zophosis punctata ovate* Brullé, 1832)
Zophosis punctata pygmaea Solier, 1834
Zophosis quadrilineata Olivier, 1791
Zophosis rotundata Ménétriés, 1849
Zophosis sulcata Deyrolle, 1867
 (= *Zophosis bohemanni* Deyrolle, 1867)
 (= *Zophosis maeklini* Deyrolle, 1867)

Zophosis trilineata Olivier 1795
Zophosis viridilimbata Chobaut, 1899
 (= *Zophosis Cyrenaica* Schuster, 1928)

Tenebrioninae

Alphitobiini

Alphitobius diaperinus Panzer, 1796
Alphitobius laevigatus Fabricius, 1781

Blaptini

Blaps andres Koch, 1935
 (= *Blaps bifurcata andresi* Koch, 1935)

Blaps approximans Seidlitz, 1893

Blaps bifurcate Solier, 1848

Blaps cognata Solier, 1848

Blaps cordicollis Solier, 1848

Blaps doderoi Shuster, 1922*

Blaps gigas Linné, 1767*

(= *Blapsproduct* Brullé, 1832)

Blaps juliae Allard, 1880

Blaps kollari Seidlitz, 1893

Blaps laticollis Solier, 1848

Blaps nitens Laporte, 1840*

Blaps nitens laportei Ardoin, 1973*

Blaps nitens barbara Solier, 1848*

Blaps pharao Seidlitz, 1893

Blaps plana Solier, 1848

Blaps planicollis Laporte, 1840

Blaps polychresta Forskscal, 1775

(= *Blaps sulcate* Fabricius, 1775)

Blaps propheta Reiche, 1861*

(= *Blaps algeriaca* Ballion, 1888)

Blaps schweinfurthi Seidlitz, 1893

Blaps sulcata Laporte, 1840

Blaps sulcifera Seidlitz, 1893

Blaps taeniolata Ménétriés, 1832

Blaps tingitana antennalis Allard, 1880*

Blaps tingitana tingitana Allard, 1880*

Blaps tripolitanica Karsch, 1881

Blaps wiedemanni Solier, 1848

Helopini

- Catomus consentaneus* Küster, 1851
Catomus subparallelus Koch, 1935
Catomus torretassoi Koch, 1935
Entomogonus angulicollis Mulsant & Wachanru, 1853
Odocnemis clarus Allard, 1876*
Xanthomus cyprius Grimm, 1991*
Xanthomus pallidus (Curtis, 1830)
 (= *Cylindronotus pallidus* Curtis, 1830)

Helopinini

- Drosochrus costatus* (Solier, 1848)
 (= *Helopinus costatus* Solier, 1848)
Drosochrus costatus aegyptiacus (Gridelli, 1939)
 (= *Helopinus costatus aegyptiacus* Gridelli, 1939)

Melanimini

- Cheirodes asperulus* (Reitter, 1884)
 (= *Anemia aegyptiacus* Pic, 1936)
 (= *Anemia asperula seriesetosa* Baudi, 1894)
Cheirodes brevicollis (Wollaston, 1864)
 (= *Anemia aphodioides* Walkaston, 1864)
 (= *Anemia fausti* Solsky, 1881)
Cheirodes pilosus (Tournier, 1868)
 (= *Anemia pilosus* Tournier, 1868)
Cheirodes sardous (Gené, 1839)
 (= *Anemia sardous* Gené, 1839)
Cheirodes submetallica (Raffray, 1873)
 (= *Anemia submetallica* Raffray, 1873)

Opatrini

- Ammobius rufus* Lucas, 1846
Brachyesthes chrysomelina Costa, 1878
Brachyesthes gastonis Fairmaire, 1873
Brachyesthes pilosella Marseul, 1867
Caedius cassidooides Fairmaire, 1894
Clitobius oblongiusculus oblongiusculus Fairmaire, 1875
Clitobius oblongiusculus schneideri Allard, 1882
Clitobius ovatus Erichson, 1843
Cyptus aegyptiacus (Mulsant & Ray, 1859)
 (= *Caedius aegyptiacus* Mulsant & Ray, 1859)
Dilamus pictus Baudi, 1881

- Dilamus planicollis* Fairmaire, 1883
Diphyrrhynchus aenescons Fairmaire, 1892
Eurycaulus dubius Gridelli, 1930
Eurycaulus granulatus Reitter, 1904
Eurycaulus henoni Fairmaire, 1897
Eurycaulushirsutus Miller, 1861
Eurycaulus hirusus haliopolis Koch, 1935
Eurycaulus peyerimhoffi Reitter, 1904
Gonocephallum controversum Gridelli, 1948
Gonocephallum patruale Erichson, 1843
Gonocephalumperplexum Lucas, 1846
Gonocephalumprolixum Erichson, 1843
Gonocephallum rusticum Olivier, 1811
Gonocephallum setulosum Faldermann, 1837
Gonocephallum soricinum Reiche & Saulcy, 1857
Gonocephalum strigosum Reiche, 1850
Mesomorphus setosus Mulsant & Ray, 1853
Neopachypterusniloticus (Miller, 1861)
 (= *Pachypterusniloticus* Miller, 1861)
Opatroides punctulatus Brullé, 1832
Opatropis affine Billerg, 1815
 (= *Opatropis hispidum* Brullé, 1838)
Opatrum obesum Olivier, 1811
Opatrum porcatum Fabricius, 1792
Penthicus viberti (Reitter, 1906)
 (= *Lobothorax viberti* Reitter, 1906)
Platynosum paulinae Mulsant & Ray, 1859
Prodilamus bohmi (Reitter, 1904)
 (= *Dilamus bohmi* Reitter, 1904)
Prodilamus ferrantei (Reitter, 1908)
 (= *Dilamus ferrantei* Reitter, 1908)
Proscheimus arabicus Desbrochers, 1881
Sclerum armatum (Waltl, 1835)
 (= *Scleron armatum* Waltl, 1835)
Sclerum dubium (Gridelli, 1930)
 (= *Scleron dubium* Gridelli, 1930)
Sclerum multistriatum (Forsk., 1775)
 (= *Scleron multistriatum* Forsk., 1775)
Sclerum orientalis (Fabricius, 1775)

(= *Sclerom orientalis* Fabricius, 1775)

Sclerum sudanicum (Koch, 1935)

(= *Scleron sudanicum* Koch, 1935)

Sclerum sulcatum saharensense (Peyerimhoff, 1930)

(= *Scleron sulcatum saharensense* Peyerimhoff, 1930)

Scleropatroides hirtulus (Baudi, 1876)

(= *Scleropatrum hirtulus* Baudi, 1876)

Palorini

Palorus depressus Fabricius, 1790

Palorus ficicola Wollaston, 1867

(= *Palorus deserticola* Sahlberg, 1913)

(= *Palorus subfilum* Fleischer, 1900)

Palorus ratzeburgii Wissmann, 1848

Palorus subdepressus Wollaston, 1864

Pedinini

Cabirutus cyrenaicus Gridelli, 1930

Cabirutus rotundicollis Miller, 1861

Cabirutus simonis Reitter, 1904

Dendarus calcaroides Peyerimhoff, 1907

Dendarus piceus Olivier, 1811

Dendarus syriacus Reichr & Saulcy, 1857

Leichenum muelleri Gridelli, 1939

Leichenum pulchellum Lucas, 1846

Leichenum pulchellum pumilum Baudi, 1876 *

Pedinus olivieri Mulsant & Rey, 1853

Zidalus corvinus (Mulsant & Rey, 1853)

(= *Opatrinus corvinus* Mulsant & Rey, 1853)

Zidalus erythraeus Gridelli, 1940*

Zidalus niloticus (Mulsant & Ray, 1853)

(= *Opatrinus niloticus* Mulsant & Ray, 1853)

Scaurini

Scaurus aegyptiacus Solier, 1838

Scaurus atratus Fabricius, 1775

Scaurus bougoni Fairmaire, 1883

Scaurus carinatus Solier, 1838

Scaurus puncticollis Solier, 1838

Scaurus puncticollis macricollis Allard, 1882

Scaurus puncticollis syriacus Reitter, 1914

Scaurus sanctiamandi Solier, 1838*

Scaurus varvasi Solier, 1838*

Tenebrionini

Tenebrio molitor Linnaeus, 1758

Tenebrio obscurus Fabricius, 1792

Tenebrio syriacus Zoufal, 1892

Triboliini

Latheticus oryzae Waterhouse, 1880

Tribolium castaneum Herbst, 1791

Tribolium confusum JacquelinDuval, 1861

Tribolium madens Charpentier, 1825*

Ulomini

Cenoscelis pulla (Erichson, 1843)

(= *Uloma pulla* Erichson, 1843)

(= *Eutochia pulla* Erichson, 1843)

***Species mentioned in Loble *et al.* (2008) as recorded in Egypt.**

REFERENCES

1. Alfieri, A. 1976. The Coleoptera of Egypt (monograph). Mem.Soc. Ent. Egypt, 5; Tenebrionidae: 166—202.
2. Booth, R.G.; M. L. Cox; and R.B. Madge. 1990.IIE Guides to insects of importance to man, 3. Coleoptera: 100 - 105.
3. Bouchard, P.; J.F. Lawrence; A.E. Davies and A.F. Newton. 2005. Synoptic classification of the world Tenebrionidae (Insecta: Coleoptera) with A review of family-Group Names. Ann. Zool. (Warszawa), 55(4): 499-530.
4. Bouchard P.; V.V. Grebennikov; A.B.T. Smith.; H. Douglas. 2009. Biodiversity of Coleoptera [pp. 265–301]. In: Foottit RG, Adler PH (Eds). Insect biodiversity: science and society. Blackwell Publishing, Oxford, 656 pp
5. Bouchard P.; I. Löbl; O. Merkl. 2007. Nomenclatural notes ontenebrionid beetles of the Palaeartic Region (Insecta: Coleoptera). Annales Zoologici (Warszawa) 57 (3): 385–394.
6. Bouchard P.; Y. Bousquet; A.E. Davies; M.A. Alonso-Zarazaga; J.F. Lawrence; C.H.C. Lyal; A.F. Newton; C.A.M. Reid; M. Schmitt; S.A. Ślipiński; A.B.T. Smith. 2011. Family-group names in Coleoptera (Insecta). ZooKeys 88: 1–972.
7. El-Akkad, M.K. 2004. A Taxonomic Review of Genus *Adesmia* Fischer (Pimiliinae: Tenebrionidae: Coleoptera) From Egypt. Egypt.J. Appl. Sci; 19(3): 271-297.

8. El-Akkad, M.K. 2005a. Key to species and subspecies of Genus *Zophosis* L. of Egypt (Tentyriinae: Tenebrionidae: Coleoptera). Egypt.J. Appl. Sci; 20 (2): 268-277.
9. El-Akkad, M.K. 2005b. Revision of Tribe Erodini (Pimeliinae: Tenebrionidae: Coleoptera) from Egypt. Egypt.J. Appl. Sci; 20 (2): 240-267.
10. EL-Metwally, N.E. 2002. Taxonomic study of subfamily Tentyrinae (Family Tenebrionidae – Order Coleoptera) in Egypt, M.sc., Faculty of Science, Ain Shams Uni.: 265 pp.
11. EL-Metwally, N.E. 2008. Faunistic and Taxonomic studies on the subfamilies Akidinae, Pimeliinae and Blaptinae (Family: Tenebrionidae, Order: Coleoptera) in Egypt. P.hD., Faculty of Science, Ain Shams Uni.: 404 pp.
12. El-Moursy, A.A.; H.H. Fadel and M.K. El-Akkad. 1996. Biological diversity of Egypt (Col.). United Nat. Env.Prog. Nat. Nial. Unit, 4: 1-341 & 5: 1-708.
13. El-Shewy, D.A.L. 2006. Taxonomic studies on Subfamilies Opatrinae and Pedininae (Family Tenebrionidae - Coleoptera) in Egypt, M.Sc. Thesis, Entomology Department, Faculty of Science, Al-Azhar University: Egypt; 258 pp.
14. El-Shewy, D.A.L. 2012. survey and classification of some species of familytenebrionidae (Order Coleoptera) from Egypt. P.hD. Thesis, Entomology Department, Faculty of Science, Al-Azhar University: Egypt; 501 pp.
15. Lawrence, J. F. and A. F. Newton. 2005. Families and subfamilies of Coleoptera (with selected genera, notes, references and data on family-group names) [pp. 779–1006]. In: Pakaluk J, Ślipiński SA (Eds) Biology, phylogeny and classification of Coleoptera: Papers celebrating the 80th birthday of Roy A Crowson. Vol II. Muzeum Instytut Zoologii PAN, Warszawa, x + 1092 pp. in 2 vols. [31 Mar 1995 (teste S. A. Ślipiński)]
16. Löbl I.; O. Merkl; K. Ando; P. Bouchard; M. Lillig; K. Masomuto; W. Schawaller. 2008. Catalogue of Palaearctic Coleoptera. Volume 5.Tenebrionoidea. Apollo Books, Stenstrup, 670 pp. [publ. 15 Apr 2008 (verso of title page)].
17. Shalaby, F. (1974 – 1979). survey and biological control studies on the dung beetles in Egypt. Final report. Project no. Eg-Ars-14 : 603.

قائمة مرجعية من أسرة تينبيريونيدى (خنافس الظلام)
TENEBRIONIDAE (غمدية الأجنحة) في مصر

داليا عبد اللطيف الشيوى ، مجدى محمد سالم ، نيفين عصام المتولى

- قسم التصنيف - معهد بحوث وقاية النباتات - مركز البحوث الزراعية - دقى - جيزة

يقدم هذا العمل قائمة مرجعية محدثة للأنواع المصرية من فصيلة تينبيريونيدى (خنافس الظلام) التابعة لرتبة الحشرات غمدية الأجنحة .
تضم هذه القائمة ٣٩٧ نوعا تابعا ل ١٠٧ جنسا من ٣٣ قبيلة تحت فصيلات (تحت فصيله) من فصيلة تينبيريونيدى ، وهى تمثل الفونه الحشرية المصرية من هذه الخنافس .
تستند هذه القائمة على التسجيلات المذكورة فى القوائم والكتالوجات والمراجع التصنيفية المحلية والعالمية وايضا تستند على النماذج المدرجه فى المجموعات الحشرية المرجعية فى مصر .
كما تضم هذه القائمة المرادفات المتاحة للكثير من الانواع ، الوضع التصنيفى والمراتب التصنيفية المذكوره وفقا لأحدث الكتالوجات والدراسات التصنيفيه الحديثه .
جميع الأصنوفات التقسيمية (الأنواع ، الأجناس ، القبائل والفصيلات) مرتبة ترتيبا أبجديا .