

A Chicklist with Some Taxonomic Notes on the Species of the Family Anthicidae (Coleoptera) Recorded In Egypt

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Abstract

A chicklist of the family Anthicidae existing in Egypt is given, based on material kept in the main reference insect collections in Egypt and records in the literature. The list includes 74 species and 16 subspecies belonging to 17 genera under four subfamilies (Anthicinae, Notoxinae, Tomoderinae and Macratriinae). Updated scientific names and synonyms are presented together with Taxonomic notes. Certain subgenera were promoted to genus rank, consequently changing in scientific names. Activity period and distribution for most species in Egypt. All taxa (subfamilies, genera and species) are alphabetically arranged.

Key words: A Chicklist – Taxonomic notes – Anthicidae – Egyptian Ecological Zones.

Introduction

Family Anthicidae important applications of the revisionary work of taxonomists is the production of chicklists. They forms an essential tool in studies of biodiversity and systematic.

They are omnivorous and appear to feed on any thing that is nutritious, many species are predaceous, and several species were found associated with crops but none are serious pests. Larvae live in soil and in decayed vegetation on ground. Family Anthicidae recognized by their superficial shape, which resembles ants, pronotum is constricted, elytra with reddish yellow and cream patches or spots (**Imms**, 1937, and **White**, 1983).

Some species have an obvious horn on the anterior border of pronotum.

The number of species all over the world is approximately 3000 species (**Booth**, 1990).

From the taxonomic point of view there is no satisfactory classification (**Abdullah**, 1965) and the higher categories (subfamilies, tribes and genera) have rarely been studied. Other than being treated in part (**Schatzmayer** and **Koch**, 1933) and listing in a catalogue (**Alfieri**, 1976). Recently in 2004 **Chandler et al.**; resolved many of Anthicidae insects.

Nomenclatural problems in the Anthicidae of the Palaearctic regions. **Kejval** (2003, 2012) treated taxonomically genus *Anthelephila* in Yemen and Palaearctic region, **Uhmman** (1998), treated taxonomically fifty species of Anthicidae from Saudi Arabia.

The present work provides an updated checklist with the local distribution, Egyptian localities, and activity period of family Anthicidae in Egypt. The adult of family Anthicidae are active on the soil surface or around flowers and foliage of various

plants and trees. These beetles occur in salt marches, heaps of vegetable debris, holes, etc.

Biogeographic Remarks:

Egypt forms the North Eastern Corner of Africa, Also includes the Sinai Peninsula in Asia. The position of Egypt amongst the faunal regions of the world is a rather anomalous one, since it combines the characteristic of both palaeartic and afrotropical regions. The air temperature in Egypt frequently rises to over 40°C in the daytime during the summer and seldom falls as low as 0°C even during the coldest nights of winter (**Steyskal** and **El-Bialy**, 1967).

Egypt is a whole forms a part of the great desert belt, and it is characterized by warm and almost rainless climate. Only the Coastal Strip, Eastern Desert, Gabel Elba, and higher parts of southern Sinai mountains receive comparatively higher rainfall. This is reflected on their floral and faunal composition. Most of landmass is below 500m, which further limits potential diversity. Ecologists divide Egypt into 8 ecological zones namely: Coastal strip, Lower Nile Valley and Delta, Upper Nile Valley, Fayoum Basin, Eastern Desert, Western Desert, Gabel Elba and Sinai (Fig. 1) (**Larsen**, 1990).

Old Egyptian Colepterologists collected many coleopteran species from localities in the neighborhood of Cairo such as Mansoriya, Abu-Rawash and Borqash; they also recorded many species from Maryut district at the Coastal strip. However, many of these species have disappeared from these localities because of severe changes in their floral and faunal composition during the last 40 years. These changes may be attributed to many reasons such as urbanization or modern agricultural activities in these localities.

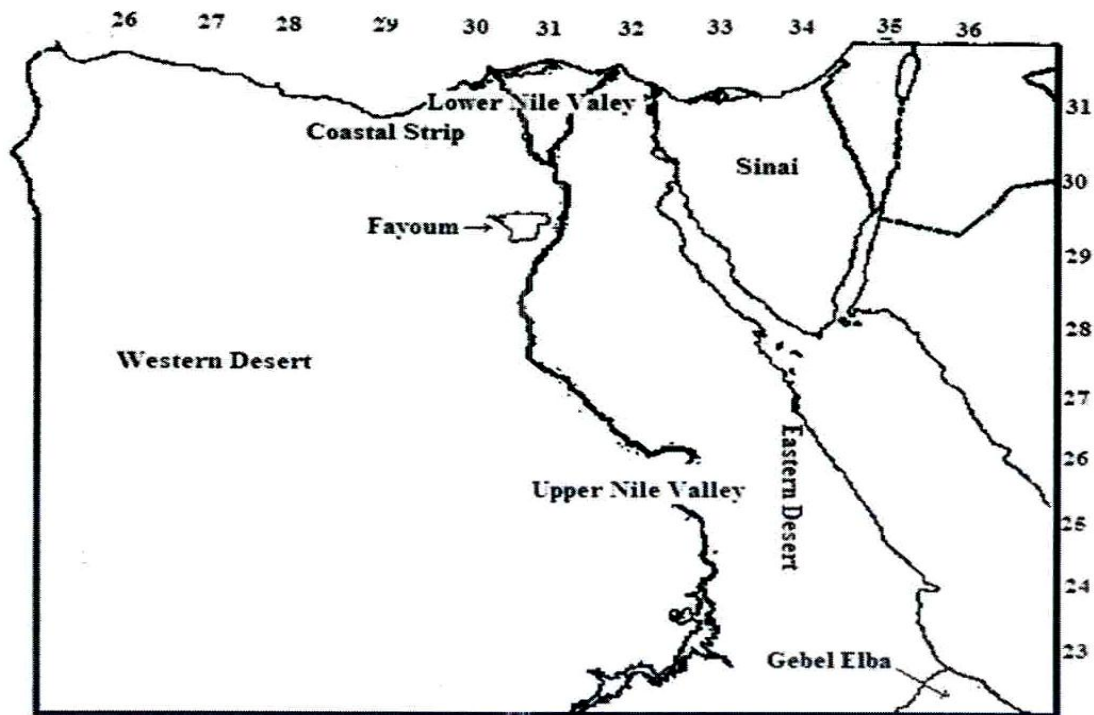


Fig. 1: Map of Egypt showing the eight Egyptian ecological zones

Material and Methods

The present work is based on all records of the species of the family Anthicidae recorded from Egypt, whether represented by specimens in the main reference insect collections in Egypt, i.e. Alfieri Collection, Faculty of Agriculture, Al-Azhar University; Ministry of Agriculture, Plant Protection Research Institute Collection; Egyptian Entomological Society Collection; Cairo University Collection, Department of Entomology, Faculty of Science and Ain Shams University collection, Department of Entomology, Faculty of Science or reported in the literature. Recent names, recent taxonomic position and senior synonyms are presented.

Taxonomic notes including activity period and distribution in Egypt are provided. The checklist are alphabetically arranged.

Results And Discussion

Family Anthicidae Laterille, 1819

Subfamily Anthicinae Laterille, 1819

Genus Amblyderus Laferte-Senecrete, 1847

Remarks: current valid name **Bold**; synonyms in brackets ().

Amblyderus maculipennis Vic, 1898

Distribution: Not determined.

Activity Period: Not determined.

Amblyderus sabulosus (Pic, 1891)

Distribution: Coastal strip.

Activity period: April

Amblyderus truncates Laferte-Senecrete, 1849.

Distribution: Coastal Strip, Lower Nile Valley and Delta.

Activity Period: April to August.

Tribe: Formicomini

Genus: Anthalephila Hope, 1833

(= *Formicomus* Motschulsky, 1845)

(= *Formicosoma* Laferte-Senecrete, 1849)

(= *Formicosoma* Mannerheim, 1846)

(= *Orthauchen* Krekich, 1925)

Anthelephila alfieri Pic, 1924.

Distribution: East Coastal Strip and Upper Nile Valley

Activity Period: March and April

Anthelephila amaena

(= *Anthelephila mellyi* Pic, 1894)

Distribution: Lower Nile Valley.

Activity Period: May

Anthelephila anastase Pic, 1935

Distribution: Upper Nile Valley Laferte-Senecrete, 1849

Activity Period: March and April

Anthelephila angustiformis Fairmaire, 1893

(= *Anthelephila filicollis* Pic, 1898)

Distribution: Sinai

Activity period: Not determined.

Anthelephila bimaculatipennis Pic, 1939

Distribution: Sinai

Activity Period: May

Anthelephila caeruleipennis***caeruleipennis*** Laferte-Senecrete, 1847(= *Anthelephila cyanoptera* Laferte-Senecrete, 1849)**Distribution:** Coastal Strip Lower and Upper Nile Valley, Eastern Desert, Western Desert and Sinai.**Activity Period:** January to December***Anthelephila canaliculata*** Laferte-Senecrete, 1849**Distribution:** Eastern Desert, Lower and Upper Nile Valley.**Activity Period:** March to December***Anthelephila ionica*** Laferte-Senecrete, 1849**Distribution:** Not determined**Activity Period:** Not determined***Anthelephila latro latro*** Laferte-Senecrete, 1849**Distribution:** Coastal and Lower Nile Valley.**Activity Period:** May***Anthelephila naduri*** Krekich, 1919(= *Anthelephila sphnix* Pic, 1893)**Distribution:** Lower Nile Valley.**Activity Period:** May.**Genus:** *Anthicus*, Paykull, 1790(= *Birricollis* Marseul, 1879)(= *Birricomus* Pic, 1894)(= *Brevicollis* Marseul, 1879)(= *Brevicomus* Pic, 1894)(= *Cartolus* Mulsant and Ray, 1866)(= *Curticollis* Pic, 1892)(= *Curticomus* Pic, 1894)(= *Eonius* Thomson, 1864)(= *Nathicus* Casey, 1895)(= *Nodolinus* Mulsant and Ray, 1866)(= *Platylorus* Mulsant and Ray, 1866)(= *Pubicollis* Marsul, 1879)(= *Pubicomus* Pic, 1894)(= *Recticollis* Marseul, 1879)***Anthicus arnmatus*** Troguil, 1855(= *Anthicus heluanensis* Pic, 1899)(= *Anthicus lussepsi* Marseul, 1866)**Distribution:** Coastal Strip, E. Desert, W. Desert and Sinai**Activity Period:** March to December.***Anthicus Bruleriei*** Desbrochers, 1875(= *Anthicus honestus* Marseul, 1878)**Distribution:** Coast and lower Nile Valley.**Activity Period:** March***Anthicus crinitus*** Laferte-Senecrete, 1849(= *Anthicus communimacula* Fairmaire, 1896)(= *Anthicus flavistemus* Marseul, 1879)(= *Anthicus laevaticeps* Marseul, 1979)(= *Anthicus laevaticeps* Marseul, 1979)(= *Anthicus longipennis* Desbrochers, 1875)(= *Anthicus manillanus* Pic, 1903)(= *Anthicus uninotatus* Pic, 1903)**Distribution:** Widely distributed in all geomorphologic in Egypt.**Activity Period:** January to December.***Anthicus demaisonii demaisonii*** Pic, 1893**Distribution:** Upper Nile Valley.**Activity Period:** Not determined.***Anthicus dimidiatipennis*** Desbrochers, 1875**Distribution:** Upper and Lower Nile Valley and Eastern Desert.**Activity Period:** March, April, May, July, August, November and December.***Anthicus fenestratus*** Schmidt, 1842.(= *Anthicus favconneti* YXC, 1928)(= *Anthicus nigricans* Pic, 1898)**Distribution:** The Western Mediterranean Coast of Egypt.**Activity Period:** July***Anthicus fuscicornis*** Laferte-Senecrete, 1849(= *Anthicus barbarus* Pic, 1893)**Distribution:** Not determined.**Activity Period:** Not determined.***Anthicus genei*** Laferte-Senecrete, 1849**Distribution:** The Mediterranean Coast (Matrooh)**Activity Period:** May and July***Anthicus lepaumi*** Pic, 1893**Distribution:** Not determined.**Activity Period:** Not determined.***Anthicus mellyi*** Pic, 1894**Distribution:** Not determined**Activity Period:** Not determined***Anthicus proximus*** Marseul, 1879**Distribution:** Upper Nile Valley**Activity Period:** Not determined***Anthicus sinaïticus*** Schatzmayr and Koch, 1934**Distribution:** Sinai**Activity Period:** February and April***Anthicus theryi*** Pic, 1892(= *Anthicus bathensis* Pic, 1892)(= *Anthicus mayeti* Chobaut, 1898)**Distribution:** The Western Mediterranean Coast**Activity Period:** June***Anthicus tristis tristis*** Schmidt, 1847(= *Anthicus discrepans* Krekich, 1928)(= *Anthicus fenestratus* Laferte-Senecrete, 1847)(= *Anthicus nigropicalis* Pic, 1913)(= *Anthicus sericeus* Laferte-Senecrete, 1847)(= *Anthicus tristiculus* Reitter, 1884)(= *Anthicus tristissimus* Chobaut, 1923)(= *Anthicus truhuii* Desbrochers, 1875)**Distribution:** Upper and Lower Nile Valley, the West Coast and Sinai.**Activity Period:** April to November**Genus:** *Aulacoderus* Laferte-Senecrete, 1849(= *Biscissicollis* Marseul, 1879)***Aulacoderus ferrantei*** Peyerimhoff, 1943**Distribution:** Sinai**Activity Period:** Not determined.***Aulacoderus peyroni*** Pic, 1900**Distribution:** Sinai**Activity Period:** Not determined.***Aulacoderus sefrensis*** Pic, 1894(= *Aulacoderus postnotatus* Pic, 1910)(= *Aulacoderus zizyphi* Pic, 1902)**Distribution:** Lower Nile Valley and Sinai**Activity Period:** March and April.

Genus: *Cordicollis* Marseul, 1879

(= *Bitumicoleis* Marseul, 1879)

(= *Cordicomus* Pic, 1894)

(= *Laticollis* Marseul, 1879)

(= *Laticomus* Pic, 1894)

Cordicollis gracilior Abuille, 1885

Distribution: Not determined.

Activity Period: Not determined.

Cordicollis infusecatus Laferte-Senecrete 1849

Distribution: The Northern part of Western Desert (Noubriya)

Activity Period: September.

Cordicollis instabilis instabilis Schmidt, 1842

(= *Cordicollis agilis* Kiister, 1849)

(= *Cordicollis deslogesi* Pic, 1892)

(= *Cordicollis instabilis* Laferte-Senecrete, 1842)

(= *Cordicollis mauritanicus* Lucas, 1843)

(= *Cordicollis oleesei* Yic, 1894)

(= *Cordicollis puberulus* Ray, 1892)

(= *Cordicollis huittardi* Yic, 1892)

(= *Cordicollis reyi* Pic, 1893)

(= *Cordicollis semiruber* Pic, 1894)

(= *Cordicollis stabilis* Pic, 1892)

(= *Cordicollis talaris* Schiodte, 1893)

(= *Cordicollis tibialis* Curtis, 1838)

Distribution: Upper and Lower Nile Valley and the Western Part of Mediterranean Coast line.

Activity Period: January to December.

Cordicollis opaculus wittmari Schatzmary and Koch 1934

Distribution: Upper and Lower Nile Valley and the Western Mediterranean Coast.

Activity Period: June, August, September and December.

Cordicollis posticatus Pic, 1895

Distribution: Upper Nile Valley and Gabel elba.

Activity Period: January, June and August.

Cordicollis Sabuleti Laferte-Senecrete, 1849

(= *Cordicollis harenosus* Krekich, 1913)

Distribution: Upper and Lower Nile Valley and Gabel elba.

Activity Period: January, June to December.

Cordicollis velatus Marseul, 1879

(= *Cordicollis mauritanicus* Pic, 1952)

Distribution: Upper and Lower Nile Valley.

Activity Period: February, June to October

Genus: *Cyclodinus* Mulsant, and Ray, 1866

(= *Lagneicollis* Marseul, 1879)

(= *Spinicornus* Krekich, 1919)

Cyclodinus biplicatulus Reitter, 1889

(= *Cyclodinus latetstaceus* Pic, 1917)

Distribution: Not determined.

Activity Period: Not determined.

Cyclodinus blandulus blandulus Baudi Di Selve, 1877

Distribution: Not determined.

Activity Period: Not determined.

Cyclodinus bremei Laferte-Senecrete, 1842

Distribution: Upper Lower Nile Valley, West and East Mediterranean Coast.

Activity Period: January to December.

Cyclodinus coniceps Marseul, 1879.

(= *Cyclodinus femoralis* Marseul, 1879)

(= *Cyclodinus imitator* Krekich-Strassoldo, 1919)

(= *Cyclodinus longunorum* Krekich-Strassoldo, 1919)

(= *Cyclodinus magistri* Gozis, 1882)

(= *Cyclodinus marsevianus* Desbrochers, 1899)

(= *Cyclodinus parvulus* Krekich-Strassoklo, 1919)

(= *Cyclodinus schatzmayri* Koch, 1931)

(= *Cyclodinus sedioinnicnsis* Koch, 1931)

(= *Cyclodinus subopacicollis* Pic, 1915)

Distribution: Not determined.

Activity Period: Not determined.

Cyclodinus constrictus Curtis, 1838

(= *Cyclodinus Moriis* Krekich-Strassoldo, 1919)

(= *Cyclodinus lameyi* Marseul, 1879)

(= *Cyclodinus inuriius* Krekich-Strassoldo, 1919)

(= *Cyclodinus marocanus* Pic, 1893)

(= *Cyclodinus ruffoi* Bucciarelli, 1959)

Distribution: Not determined.

Activity Period: Not determined.

Cyclodinus debilis Laferte-Senecrete, 1849

(= *Cyclodinus phoxus* Marseul, 1879)

(= *Cyclodinus wimueri* Pic, 1899)

Distribution: Upper and Lower Nile Valley, Western Desert, Eastern Desert and Sinai.

Activity Period: March to December.

Cyclodinus erre Truhui, 1855.

(= *Cyclodinus lyshothii* Pic, 1899)

Distribution: Upper and Lower Nile Valley.

Activity Period: September and December.

Cyclodinus fatuus Truhvi, 1855

Distribution: Lower Nile Valley, Sinai and Western Part of Mediterranean Coast.

Activity Period: May and June.

Cyclodinus hammami hammami Pic, 1892

Distribution: Not determined.

Activity Period: Not determined.

Cyclodinus humilis Germer, 1824

(= *Cyclodinus adriaticus* Krekich, 1919)

(= *Cyclodinus beckeri* Desbrochers, 1875)

(= *Cyclodinus depths* Rey, 1892)

(= *Cyclodinus detritus* Rey, 1892)

(= *Cyclodinus fuscicrus* Rey, 1892)

(= *Cyclodinus latinus* Krekich, 1919)

(= *Cyclodinus leukoranus* Pic, 1913)

(= *Cyclodinus lucidulus* Laferte-Senecrete, 1849)

(= *Cyclodinus nigrinus* Zetterstedt, 1838)

(= *Cyclodinus nigrofasciatus* truhui, 1855)

(= *Cyclodinus orientalis* Krekich, 1919)

(= *Cyclodinus peranxius* Rey, 1892)

(= *Cyclodinus siciliae* Pic, 1893)

Distribution: Upper and Lower Nile valley and Western Desert.

Activity Period: July to November.

Cyclodinus incomptus Truhui, 1855.

Distribution: North Coast, Lower Nile Valley and Western Desert.

Activity Period: April, June, September and November.

Cyclodinus larvipennis Marseul, 1879

(= *Cyclodinus graecus* Pic, 1896)

(= *Cyclodinus motschulskyi* Pic, 1894)

(= *Cyclodinus testaceipes* Pic, 1892)

Distribution: Recorded from different areas.

Activity Period: January to December.

Cyclodinus ustulatus ustulatus Laferte-Senecrete, 1849

(= *Cyclodinus lacustris* Pic, 1901)

Distribution: Upper and Lower Nile Valley, Fayoum and Sinai

Activity Period: March to November.

Tribe: Endomini

Genus: Endomia Laporte, 1840

(= *Ochthenomus* Schmidt, 1842)

Endomia lafeburei Laferte-Senecrete, 1849.

(= *Endomia bivittata* Truhui, 1855)

(= *Endomia leprieuri* Pic, 1893)

Distribution: Western Part of Mediterranean Coast, Lower and Upper Nile Valley, Sinai and Fayoum.

Activity Period: February to December.

Endomia occipitalis Dufour, 1843.

(= *Endomia pallidicolor* Pic, 1913)

(= *Endomia punctatu* Laferte-Senecrete)

(= *Endomia huadrinata* Pic, 1913)

Distribution: Western Part of Mediterranean Coast and Sinai.

Activity Period: Not determined.

Endomia tenuicollis tenuicollis Rossi, 1792

(= *Endomia angustata* Laferte-Senecrete, 1847)

(= *Endomia alongatissima* Laporte, 1840)

(= *Endomia melanocephala* Kuster, 1847)

(= *Endomia obscuripennis* Pic, 1913)

Distribution: Eastern Desert and Sinai.

Activity Period: Not determined.

Endomia unifasciata unifasciata Bonelli, 1812

(= *Endomia caucasica* Baudi Di Selve, 1878)

(= *Endomia maculata* Pic, 1919)

(= *Endomia sinuata* Schmidt, 1842)

Distribution: Eastern Desert and Sinai.

Activity Period: Not determined.

Genus: Hirticollis Marseul, 1879.

(= *Hirticomus* Pic, 1894)

Hirticollis floreus Laferte-Senecrete, 1849

Distribution: Lower and Upper Nile Valley and Eastern Desert.

Activity Period: May, April, July, October.

Hirticollis hispidus Rossi, 1792

(= *Hirticollis bicolor* Olivier, 1795)

(= *Hirticollis hirtellus* Creutzer, 1796)

Distribution: Western Part the Mediterranean Coast, Lower and Upper Nile Valley and Eastern Desert.

Activity Period: February to October.

Genus: Leptaleus Laferte-Senecrete, 1849.

(= *Ephippicollis* Marseul, 1879)

Leptaleus glabellus Truhui, 1855.

Distribution: Lower Nile Valley Western Desert and Sinai.

Activity Period: April and May.

Leptaleus klugi klugi Laferte-Senecrete, 1849.

(= *Leptaleus truncatulus* Fairmaire, 1892)

Distribution: Upper and Lower Nile Valley, Fayoum and Eastern Desert.

Activity Period: May to November.

Leptalus maximicollis Pic, 1893

Distribution: Sinai

Activity Period: Not determined.

Leptaleus punctatissimus Fairmaire, 1893

Distribution: Not determined.

Activity Period: Not determined.

Leptaleus rodriguezi Laterille, 1804

(= *Leptaleus postreductus* Pic, 1919)

(= *Leptaleus pulchellus* Laferte-Senecrete, 1842)

(= *Leptaleus pulchellus* Schmidt, 1842)

(= *Leptaleus rufescens* Pic, 1891)

(= *Leptaleus subinfasciatus* Pic, 1916)

Distribution: Not determined.

Activity Period: Not determined.

Tribe: Microhorini Genus: Microhoria Chevrolat, 1877.

(= *Bifossicollis* Marseul, 1879)

(= *Immichoria* Pic, 1894)

(= *Monstrosipedes* Marseul, 1879)

(= *Normalipedes* Marseul, 1879)

(= *Platyhoria* Bonadona, 1952)

(= *Submicrohoria* Bonadona, 1952)

Microhoria chakouri Pic, 1909

Distribution: Upper and Lower Nile Valley.

Activity Period: April to September.

Microhoria hafidi Pic, 1923

Distribution: Western Part of Mediterranean Coast, Lower Nile Valley, Eastern Desert and Sinai.

Activity Period: March to May.

Microhoria iscarיותes Laferte-Senecrete, 1849

Distribution: Western Part of Mediterranean Coast, Upper Nile Valley and Sinai.

Activity Period: February, March, April, August, September and November.

Micohoria latipennis Pic, 1892

Distribution: Not determined.

Activity Period: Not determined.

Microhoria rabinovitchi Koch, 1935

Distribution: Eastern desert.

Activity Period: June.

Genus: Omonadus Mulsant and Ray, 1866.

(= *Hemantus* Casey, 1895)

(= *Trapezicollis* Marseul, 1879)

(= *Trapezicomus* Pic, 1894)

(= *Trapezonotus* Sahlberg, 1913)

Omonadus floralis Linnaeus, 1758 (= *Omonadus basalis* Villa, 1838)

(= *Omonadus basillaris* Say, 1824)

(= *Omonadus breviculus* Phillipi, 1824)

(= *Omonadus calycinus* Panzer, 1912)

- (= *Omonadus fallax* Broun, 1893)
 (= *Omonadus formicarius* Olivier, 1795)
 (= *Omonadus formicooides* Geoffroy, 1785)
 (= *Omonadus fuscus* Marsham, 1802)
 (= *Omonadus masauensis* Pic, 1900)
 (= *Omonadus mymicocephalus* Rossi, 1792)
 (= *Omonadus pedicularius* Schrank, 1781)
 (= *Omonadus reducteapicalis* Pic, 1915)
 (= *Omonadus semirufus* Fairmaire and Germain, 1860)
 (= *Omonadus syriacus* Baudi, 1881)
Distribution: This species was recorded from all the geomorphologic regions in Egypt except Gabal Elba.
Activity Period: January to December.
Omonadus picianus Koch, 1931
 (= *Omonadus formicarius formicarius* Goeze, 1777)
 (= *Omonadus picianus* Koch, 1931)
 (= *Omonadus huishuillis* Thomson, 1864)
Distribution: The species was recorded from all geomorphologic regions in Egypt.
Activity Period: January to December.
Genus: *Pseudoleptaleus* Pic, 1900
Pseudoleptaleus unifasciatus unifasciatus Desbrochers, 1875
 (= *Pseudoleptaleus sublatus* Pic, 1914)
Distribution: Upper and Lower Nile Valley, Western of the Mediterranean Coast, Eastern Desert and Sinai.
Activity Period: February to December.
Genus: *Stenidius* Laferte-Senecrete, 1847
 (= *Stenicollis* Marseul, 1879)
 (= *Stenidius* Laferte-Senecrete, 1849)
Stenidius arisidis Tic, 1893
Distribution: Western Part of Mediterranean Coast and Sinai.
Activity Period: March and April.
Stenidus vittatus hartliebi Pic, 1899
Distribution: Upper and Lower Nile Valley and Western of Mediterranean Coast.
Activity Period: January, April, Jun, July, August, September, July, February, December, October.
Stenidius vittatus vittatus Lucas, 1843.
Distribution: Lower Nile Valley.
Activity Period: June to August.
Genus: *Striticollis* Marseul, 1879
 (= *Striticomus* Pic, 1894)
 (= *Sulcicollus* Marseul, 1879)
Striticollis goebelii Laferte-Senecrete, 1849
 (= *Striticollis herzi* Pic, 1905)
 (= *Striticollis incrinatus* Pic, 1929)
Distribution: Sinai.
Activity Period: Not determined.
Striticollis modestus Laferte-Senecrete, 1849
Distribution: Upper and Lower Nile Valley Fayoum and Sinai.
Activity Period: March to December.
Striticollis ophthalmicm Rotenbery, 1871
 (= *Striticollis dromioides* Pic, 1894)
 (= *Striticollis megalops* Marseul, 1879)
Distribution: Lower Nile Valley.
Activity Period: October.
Striticollis peyerhoffi Pic, 1902.
Distribution: Lower Nile Valley, Sinai and Eastern Desert.
Activity Period: June to October.
Striticollis tobias Marseul, 1879.
 (= *Striticollis binhanus* Pic, 1927)
 (= *Striticollis corporaali* Pic, 1923)
 (= *Striticollis ritauftiensis* Pic, 1898)
 (= *Striticollis rhunduius* Shamp, 1885)
Striticollis parisiensis Saint, 1952
 (= *Striticollis postoculatus* Fairmaire, 1846)
 (= *Striticollis tanakai* Nomura, 1960)
 (= *Striticollis turanicus* Reitter, 1889)
Distribution: Upper and Lower Nile Valley, Eastern Desert and Western Desert.
Activity Period: April to November.
Genus: *Tenuicollis* Marseul, 1879.
 (= *Tenuicomus* Pic, 1894)
Tenuicollis alfieri Pic, 1923
 (= *Anthicus alfieri* Pic, 1923)
Distribution: Sinai and Upper Nile Valley.
Activity Period: April and March.
Subfamily: *Macratriniinae* Leconte, 1862
Genus: *Macratrini* Newman, 1838.
 (= *Macrathrius* Laferte-Senecrete-Senecrete, 1849)
Macratrini Leprieuri Reiche, 1864
 (= *Macratrini brunnipennis* Pic, 1899)
 (= *Macratrini gracilis* Pic, 1907)
Distribution: Not determined.
Activity Period: Not determined.
Subfamily: *Notoxinae* Stephens, 1829
Genus: *Mecynotarsus* Laferte-Senecrete, 1849
Mecynotarsus bison Olivier, 1811
 (= *Mecynotarsus algericus* Desbrochers, 1881)
 (= *Mecynotarsus beccarii* Pic, 1894)
 (= *Mecynotarsus bimaculatus* Desbrochers, 1893)
 (= *Mecynotarsus cornutus* Pic, 1896)
 (= *Mecynotarsus ferrantei* Pic, 1910)
 (= *Mecynotarsus latior* Pic, 1897)
 (= *Mecynotarsus macularis* Baudi, 1877)
 (= *Mecynotarsus mellyi* Marseul, 1878)
 (= *Mecynotarsus osiris* Pic, 1893)
 (= *Mecynotarsus sabulosus* Pic, 1893)
Distribution: Western Part of Mediterranean Coast, Lower and Upper Nile Valley, Eastern desert and Sinai.
Activity Period: February to December.
Mecynotarsus semicinctus Wollaston, 1865
Distribution: Upper and Lower Nile Valley.
Activity Period: March, June, July, September and December.
Mecynotarsus truquii Marseul, 1879
 (= *Mecynotarsus alatus* Koch, 1935)
 (= *Mecynotarsus lysholmi* Pic, 1899)
Distribution: Upper and Lower Nile Valley and Eastern Desert.
Activity Period: January to December.
Genus: *Notoxus* Geoffroy, 1762.
 (= *Caratoderus* Blanchard, 1845)

(= *Monocarus* Villa, 1833)

Notoxus lancifer lancifer Olivier, 1811

(= *Notoxus chaldaeus* Laferte-Senecrete-Senecture, 1849)

Distribution: Sinai

Activity Period: Not determined.

Notoxus numidicus Lucas, 1843

(= *Notoxus aristidis* Pic, 1893)

(= *Notoxus cloueti* Chobaut, 1895)

(= *Notoxus mauritii* Pic, 1900)

Distribution: West Part of Mediterranean Coast.

Activity Period: May to July.

Notoxus syriacus Laferte-Senecrete, 1849

Distribution: Western Part of Mediterranean Coast.

Activity Period: June.

Genus: *Pseudonotoxus* Pic, 1899

Pseudonotoxus testaceus testaceus Laferte-Senecrete, 1849

(= *Pseudonotoxus feminus* Bock, 1965)

(= *Pseudonotoxus photophilus* Hille, 1961)

Distribution: Upper and Lower Nile valley.

Activity Period: January, April, June, July, October and December.

Subfamily: Tomoderinae Bonadonna, 1961

Genus: *Tomoderus* Laferte-Senecrete, 1849

Tomoderus nitidus Pic, 1894

Distribution: Not determined.

Activity Period: Not determined.

Conclusion

The current data revealed that the family Anthicidae concluded four subfamilies, three tribes and 24 genera. Alfieri (1976) mentioned in his monograph "Coleoptera of Egypt", two tribes (Anthicini and Notoxini), whereas, Chandler *et al.*, as mentioned in catalogue of Coleoptera of Palaearctic region, promoted and classified both tribes (Anthicini and Notoxini), to four subfamilies (Anthicinae, Notoxinae, Tomoderinae, and Macratriniinae). Nine subgenera were promoted to genera rank (Uhmman, 1998), were as follows: *Birricomus*, *Birvicomus*, *Cordicomus*, *Cyclodenus*, *Hirticomus*, *Pubicomus*, *Stricticomus*, *Tenuicomus*, and *Omonadus*.

References

- Abdullah, M. 1965a** *Cadogenius iguitosensis*, a new species of Eurygeniini (Coleoptera, Anthicidae, Pedilinae). From Peru. Entomology. Ts. Agr; 85: 195-197.
- Abdullah, M. 1965b.** A new Species of *neourygenius* Abdullah, (Coleoptera, Anthicidae, Pedilinae) from Arizona. Entomology. Ts. Agr; 85: 198-201.

- Abdullah, M. 1965c.** A revision of the genus *Steropes* Steven, with a proposed new subfamily Steropinae of the family Anthicidae (Coleoptera) entomologist. Mon. Mag; 101: 206-216.
- Abdullah, M. 1965d.** Six groups and ten species of Nearctic *Pedilus* (Coleoptera, Anthicidae, Pedilinae). The wasman J. of biology 24 (2): 161-188.
- Alfieri, A. 1976.** The Coleoptera of Egypt (Monograph). (Mem.Soc.Ent. Egypt, 5, 361 pp).
- Booth, G; M.Cox and R.Madge (1990):** Ile guides to Insects of Importanance to man, (III Coleoptera, 310pp)
- Chandler, D.S; G. Uhmman; G. Nardi and D. Tel nov 2008.** Anthicidae. (In: Lobl. & Smenta A. (eds): Catalogue of Palaearctic Coleoptera. Volume 5; Tenebrionoidea, Apollo Books, Stenstrup, pp (421-455).
- Chandler, D.S.; NARDI, G.; and Telnov, D. 2004.** Nomenclatural notes on the Palaearctic Anthicidae (Coleoptera). (Mitt. Internat. entomol. ver.29 (4): 109-173
- Imms, A.D. 1937.** A General Textbook of Entomology, 727 pp.
- Kejval,Z. 2003.**Thegenus *Anthelephila* (Coleoptera:Anthicidae).Eur.Entomol;100:381-392.
- Kejval,Z. 2012 .** Studies on the genus *Anthelephila* (Coleoptera: Anthicidae).12.Review of species from Yemen, including Socotra Island. Acta Entomologica Musei Nationlis Pragae,vol.52 (supplementum2):347-363.
- Larsen, T.B. 1990.** The butterflies of Egypt. Svendborg: Apollo Books.
- Schatzmayer and Koch, 1933.** Wissen Schaftliche Ergebnisse der Entomologischen exeditionen Senie Durchlaucht des Fuersten Alaxander C.Della Torre E Tasso nach Aegypten und auf die halbinsel Sinai. II *Anthicus* (Anthicidae-Coleoptera). (Bull.Soc. Ent. Egypt, 17: 204-242).
- Steyskal, G.C and El-Bialy, S. (1967):** A list of Egyptian Diptera with a bibliography and key to families, Ministry of Agriculture. Technical Bulletin, 3, 12-18.
- Uhmman, G. (1990):** Afrikanische Anthicidae aus der biogeographischen sammluny der Universitat.
- Uhmman, G. (1992):** Die Anthicidae der Iberischen Halbinsel.22. Beritray Zur Kenntins der Anthicidae (Coleoptera, Anthicidae) (Mitt.Munch. Ent. Ges; 82: 87-180).
- Uhmman, G. (1998):** Anthicidae (Insect: Coleoptera) from Saudi Arabia with the description of a new species. (Fauna of Arabia, 17: 93-105).
- White, R.E. (1983):** A field guide to the beetles of North America. Houghton Mifflin Company Boston, 368 pp.

قائمة مرجعية حديثة لأنواع التابعة لفصيلة أنثيسيدي (خنافس الأزهار الشبيهة بالنمل) (رتبة غمدية الأجنحة) المسجلة في مصر مع بعض الملاحظات التقسيمية

محمد كامل عبيد

يحتوي هذا البحث على قائمة حشرات فصيلة أنثيسيدي من رتبة غمدية الأجنحة بناء على العينات المحفوظة بالجموعات الحشرية المصرية الرئيسية في مصر وكذلك التسجيلات في المراجع العلمية الحشرية المحلية والعالمية. تضم القائمة 74 نوعاً و16 نوعاً تنتمي إلى 17 جنس تابعة لأربعة فصائل (أنثيسيدي، نوتوكوسيني، توموديرين ومكراتريني). يتضمن هذا البحث الأسماء العلمية الحديثة ومرادفاتها، وكذلك بعض الملاحظات التقسيمية، حيث أن بعض الجنيسات تم تصعيدها إلى مرتبة الجنس مما ترتب عليه تغييرات في الأسماء العلمية، وتشمل فترات النشاط والتوزيع الجغرافي في مصر لمعظم الأنواع. جميع الوحدات والمراتب التصنيفية مرتبة ترتيباً أبجدياً.