

A literature-based review of Hymenoptera Parasitica and Chrysididae from Reunion Island

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Abstract

A review of the genera and species of Hymenoptera Parasitica and Chrysididae reported so far from Reunion Island is provided with host information. Data presented here is based on a review of the existing literature by the authors. The list includes: (1) 156 species of Ichneumonoidea belonging to 65 genera and 25 subfamilies (Braconidae: Agathidinae, Alysiinae, Aphidiinae, Braconinae, Charmontinae, Cheloniinae, Doryctinae, Euphorinae, Gnampodontinae, Microgastrinae, Opiinae; Ichneumonidae: Banchinae, Campopleginae, Cremastinae, Cryptinae, Diplazontinae, Ichneumoninae, Mesochorinae, Metopiinae, Ophioninae, Orthocentrinae, Pimplinae, Tersilochinae, Tryphoninae); (2) 121 species of Chalcidoidea belonging to 56 genera and 8 families (Agaonidae, Aphelinidae, Chalcididae, Encyrtidae, Eulophidae, Eupelmidae, Eurytomidae, Ormyridae, Pteromalidae, Signophoridae, Torymidae and Trichogrammatidae); (3) seven species of Cynipoidea (family Figitidae); (4) six species of Chrysididae in three families (Bethyridae, Chrysididae, Dryinidae); (5) five species of Platygastroidea (families Platygastriidae and Scelionidae); (6) five species of Diaprioidea (family Diapriidae); (7) four species of Ceraphronoidea (families Ceraphronidae and Megaspilidae); and (8) two species of Evanioidea (family Evaniidae). This review records a total of 306 species.

Keywords

Hymenoptera, checklist, Chalcidoidea, Ichneumonoidea, Diaprioidea, Cynipoidea, Evanioidea, Chrysididae, Ceraphronoidea, Platygastroidea, Reunion Island

Introduction

The parasitoids of the Hymenoptera Apocrita form one of the most species-rich groups of animals, potentially representing more than 20% of the world's insects (LaSalle and Gauld 1992). Furthermore, they play an important role in the regulation of insect pests and many of them are used in biological control programs all over the world. The failures and successes of their use in biocontrol have been extensively reviewed (e.g. DeBach 1964, Funasaki et al. 1988, DeBach and Rosen 1991, van Driesche and Bellows 1996, Smith 1996, Solomon et al. 2001).

To date, the diversity of Hymenoptera in La Réunion has been partially studied. There have been some studies on the hymenopteran diversity around 1950. Risbec (1957) and Benoit (1957) reviewed the Chalcidoidea/Proctotrupoidea and the Ichneumonoidea, respectively. To our knowledge, after 1957 almost nothing was published on the hymenopteran diversity of Reunion Island (only Wiebes 1981 on the figwasps) until 2001 when Vayssière et al. published a review of the pests and their natural enemies on several crops of the island. Two years later, this work was followed and updated by the publication of a book (Quilici et al. 2003). At this time, taxonomic work on Parasitica was far from exhaustive because it only dealt with parasitoids associated with important pests. In fact, a lot of work has been done to combat key pests such as Tephritid flies (Diptera: Tephritidae) in mango and cucurbit fruits. Nevertheless, the taxonomic review of the fauna from Reunion Island has been conducted for a few groups. Rouse and Villemant (2012) reviewed the Ichneumonidae and provided a key to species of the Island with 15 species new to science. Some subfamilies of Braconidae (Ichneumonoidea) have been reviewed: Madl (2007, Agathidinae), Fischer and Madl (2008, Opiinae), Rouse and Braet (2012, Euphorinae), Braet et al. (2012, Cheloniinae), Rouse and Gupta (2013, Microgastrinae). Madl and van Achterberg (2014) published a catalogue of the Braconidae of Malagasy subregion, including Reunion Island. Fischer (2014) published an important paper on Alysiinae and Opiinae (Braconidae) with 12 species new to science. Until to now the study of Ichneumonoidea has added more than 140 species to the list of Benoit (1957).

Superfamilies other than the Ichneumonoidea were less studied. For example, the Chalcidoidea may have a diversity similar to or higher than that of the Ichneumonoidea. In fact, there are a lot of unpublished data from the work of Marc Attié (2001–2004). The material collected during his work is now at the CBGP in Montpellier (France).

By reviewing the published data, this work provides a first list of all the Hymenoptera Parasitica of Reunion Island and the superfamily Chrysoidea (belonging to the Hymenoptera Aculeata). We think this work will be a valuable tool for future inventories or work on biological control. Indeed, this work allows the detection of new indigenous natural enemies (e.g. *Pristomerus river*, Ichneumonidae, parasitoid of *Prophantis smaragdina*, Lepidoptera) and invasive hyperparasitoid or parasitoid of predators (e.g. *Homalotylus eytelweinii*, Encyrtidae, a parasitoid of *Rodolia chermesina*, Coccinellidae).

Arrangement of the checklist

In this review, superfamilies are treated according to their importance, the most diverse (Ichneumonoidea) presented first. Genera known so far from Reunion Island are grouped according to subfamilies, and family affiliation. For convenience, families, subfamilies, genera and species are listed in alphabetical order. Genera and species names are followed by the names of the author(s) and year of first description, then by the reference of the record and, when available, host data.

The review includes three tables summarizing (1) the Ichneumonoidea, (2) the Chalcidoidea, (3) the records for the other superfamilies, each with general host information.

Discussion

The present work is a literature-based review. Therefore, users should be aware that it might contain some mistakes present in the original literature. However, all references are listed so that the records can be validated.

This review lists 306 species of parasitoid Hymenoptera recorded from the island belonging to eight superfamilies. Of the species and genera reported from the island, at least 1 genus and 14 species of Ichneumonidae (Rousse and Villemant 2012), and 1 genus and 25 species of Braconidae (Madl 2007, Rousse and Braet 2012, Rousse and Gupta 2013), may be endemic as they currently only are recorded from Reunion Island. On the other hand, several species are now cosmopolitan in distribution due to their widespread use as biocontrol agents.

When compared with other geographical regions of the world, the study of hymenopteran parasitoid diversity in Reunion Island is still preliminary. Many new taxa will probably be found from the region in the future, and thus this checklist will need to be periodically updated.

Checklist of Hymenoptera Parasitica and Chrysoidea from Reunion Island

Superfamily: ICHNEUMONOIDEA

Family: BRACONIDAE

Subfamily: Agathidinae

Genus: *Biroia* Szépligeti, 1900

Biroia costata (Brullé, 1846)

Recorded from: Granger 1949

Host information: Unknown

Genus: *Camptothlipsis* Enderlein, 1920*Camptothlipsis curticornis* Granger, 1949

Recorded from: Quilici et al. 2003

Host information: *Nephopterix beharella* (Lepidoptera, Pyralidae) (Quilici et al. 2003, Madl 2007)**Genus: *Coccygidium*** de Saussure, 1890*Coccygidium lutea* (Brullé, 1846)

Recorded from: Szépligeti 1904

Host information: *Condica conducta*, *Mythimna curvula*, *Mythimna loreyi* (Lepidoptera, Noctuidae) (Madl 2007)**Subfamily: Alysiinae****Genus: *Adelphenaldis*** Fischer, 2003*Adelphenaldis grimmorum* Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown

Adelphenaldis nanocorpus Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown

Genus: *Aphaereta* Förster, 1863*Aphaereta* sp.

Recorded from: Quilici et al. 2003

Host information: Diptera Cyclorrhapha (Gauld and Bolton 1988)

Genus: *Asobara* Förster, 1863*Asobara diadegmae* Fischer, 2014

Recorded from: Fischer 2014

Host information: Hyperparasitoid of *Diadegma* sp. (ex *Plutella xylostella*, Lepidoptera) (Fischer 2014)**Genus: *Cratospila*** Förster, 1863*Cratospila sinenotaulis* Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown

Genus: *Dacnusa* Haliday, 1833*Dacnusa sibirica* Telenga, 1934

Recorded from: Vayssières et al. 2001

Host information: *Liriomyza* spp. (Diptera, Agromyzidae) (Vayssières et al. 2001)*Dacnusa* sp.

Recorded from: Vayssières et al. 2001

Host information: Unknown, but *Dacnusa* spp. are parasitoids of *Liriomyza* spp. (Diptera, Agromyzidae) (Vayssières et al. 2001)**Genus: *Dinotrema*** Förster, 1863*Dinotrema candidiapex* Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown

Genus: *Synaldis* Förster, 1863*Synaldis dugainensis* Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown

Synaldis robusticeps Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown

Subfamily: Aphidiinae**Genus: *Aphidius*** Nees, 1818*Aphidius camerunensis* Mackauer, 1966

Recorded from: Stary et al. 1994

Host information: *Sitobion* spp. (Hemiptera, Aphididae) (Todorov 2009)*Aphidius colemani* Viereck, 1912

Recorded from: Vayssières et al. 2001

Host information: Hemiptera, Aphididae, Genera: *Aphis*, *Aulacorthum*, *Brachycaudus*, *Brevicorinae*, *Capitophorus*, *Dysaphis*, *Hialopterus*, *Hayhurstia*, *Hyadaphis*, *Hypermizus*, *Macrosiphon*, *Melanaphis*, *Micromizus*, *Mizodes*, *Mizus*, *Pterocoma*, *Rhopalosiphum*, *Schizaphis*, *Thelaxis*, *Toxoptera* (Todorov 2009)*Aphidius rosae* Haliday, 1833

Recorded from: Starý et al. 1977

Host information: *Macrosiphum rosae*, *Sitobion fragariae* (Hemiptera, Aphididae) (Mackauer and Stary 1967, Stary 1973)

Aphidius seyrigi Granger, 1949

Recorded from: Benoit 1957

Host information: Hemiptera, Aphididae

Genus: *Diaeretiella* Stary, 1960

Diaeretiella rapae (McIntosh, 1855)

Recorded from: Quilici et al. 1988

Host information: *Myzus persicae*, *Brevicoryne brassicae*, *Lipaphis erysimi* on cabbage, cauliflower, mustard, etc. *Aphis craccivora*, *Aphis fabae*, *Aphis gossypii*, *Brachycaudus helichrysi*, *Hysteroneura setariae*, and *Schizaphis graminum* (Hemiptera, Aphididae) (Raychaudhuri 1990)

Genus: *Praon* Haliday, 1833

Praon sp.

Recorded from: Vayssières et al. 2001

Host information: *Aphis* sp. (Vayssières et al. 2001) *Uroleucon sonchi*, *Hyperomyzus lactucae*, *Nasonovia ribisnigri*, *Macrosiphum euphorbiae* (Madl and van Achterberg 2014) (Hemiptera, Aphididae)

Subfamily: Braconinae

Genus: *Bracon* Fabricius, 1804

Bracon (Habrobracon) hebetor (Say, 1836)

Recorded from: Quilici et al. 2003

Host information: *Maruca vitrata* or *Maruca testulalis* (Lepidoptera, Crambidae), *Lampides boeticus* (Lepidoptera, Lycaenidae), *Corcyra cephalonica*, *Etiella zinckenella* (Lepidoptera, Pyralidae) (Madl and van Achterberg 2014)

Genus: *Iphiaulax* Förster, 1863

Iphiaulax didymus (Brullé, 1846)

Recorded from: Brullé 1846

Host information: Unknown

Subfamily: Charmontinae

Genus: *Charmon* Haliday, 1833

Charmon ramagei Rouse, 2013

Recorded from: Rouse 2013

Host information: Unknown

Subfamily: Cheloninae

Genus: *Chelonus* Panzer, 1806

Chelonus (Microchelonus) curvimaculatus Cameron, 1906

Recorded from: Quilici et al. 2003, Braet et al. 2012

Host information: *Nephotrix beharella* (Lepidoptera, Pyralidae) (Quilici et al. 2003), *Pectinophora gossypiella* (Lepidoptera, Gelechiidae), *Trichoplusia ni* (Lepidoptera, Notcuidae) (Chiri and Legner 1982, Jones 1986)

Chelonus (Microchelonus) matilei Braet & Rouse, 2012

Recorded from: Braet et al. 2012

Host information: Unknown

Chelonus (Chelonus) mayi Braet & Rouse, 2012

Recorded from: Braet et al. 2012

Host information: Unknown

Chelonus (Microchelonus) merdicus Rouse & Braet, 2012

Recorded from: Braet et al. 2012

Host information: Unknown

Chelonus sp.

Recorded from: Quilici et al. 2003

Host information: Unknown

Subfamily: Doryctinae

Genus: *Ipodoryctes* Granger, 1949

Ipodoryctes sp.

Recorded from: Zaldivar-Riveron et al. 2008

Host information: Parasitoid of xylophagus and stem-boring Coleoptera (Beyarslan 2015)

Genus: *Rinamba* Cameron, 1912

Rinamba opacicollis Cameron, 1912

Recorded from: Braet 2001

Host information: Parasitoid of xylophagus and stem-boring Coleoptera larvae (Beyarslan 2015)

Subfamily: Euphorinae**Genus: *Centistes*** Haliday, 1835*Centistes caloupile* Rouse & Braet, 2012

Recorded from: Rouse and Braet 2012

Host information: Unknown

Genus: *Chrysopophthorus* Goidanich, 1948*Chrysopophthorus* sp.

Recorded from: Semeria and Quilici 1986

Host information: Unknown, but *Chrysopophthorus* spp. are endoparasitoids of Chrysopidae (Neuroptera) (Séméria 1976)**Genus: *Cosmophorus*** Ratzeburg, 1848*Cosmophorus merdiculatus* Rouse & Braet, 2012

Recorded from: Rouse and Braet 2012

Host information: Unknown, but *Cosmophorus* spp. are endoparasitoids of adult bark beetles (Coleoptera, Scolytinae) (Watanabe 1968)**Genus: *Leiophron*** Nees, 1819*Leiophron sarahae* Rouse & Braet, 2012

Recorded from: Rouse and Braet 2012

Host information: Unknown, but *Leiophron* spp. are parasitoids of Miridae and Psocoptera (Simbolotti et al. 2002)*Leiophron yaeli* Rouse & Braet, 2012

Recorded from: Rouse and Braet 2012

Host information: Unknown, but *Leiophron* spp. are parasitoids of Miridae and Psocoptera (Simbolotti et al. 2002)**Genus: *Meteorus*** Haliday, 1835*Meteorus anthracnemis* de Saeger, 1946

Recorded from: Rouse and Braet 2012

Host information: Unknown, but *Meteorus* spp. are endoparasitoids of Lepidoptera or Coleoptera (van Achterberg 1979; Zitani et al. 1997)*Meteorus comonile* Rouse & Braet, 2012

Recorded from: Rouse and Braet 2012

Host information: Unknown, but *Meteorus* spp. are endoparasitoids of Lepidoptera or Coleoptera (van Achterberg 1979; Zitani et al. 1997)

Meteorus pulchricornis Wesmael, 1835

Recorded from: Rouse and Braet 2012

Host information: Lepidoptera: Geometridae, Lasiocampidae, Lycaenidae, Lymantriidae, Noctuidae, Nolidae, Nymphalidae, (Huddleston 1980) Arctiidae, Papilionidae, (Maetô 1990) Plutellidae, (Okada 1989) and Tortricidae, (Berry 1997)

Genus: *Syntretus* Förster, 1863

Syntretus massale Rouse and Braet, 2012

Recorded from: Rouse and Braet 2012

Host information: Unknown, but *Syntretus* spp. are solitary endoparasitoids of adult Hymenoptera (Ichneumonidae and Apidae (Rouse and Braet 2012)

Subfamily: Microgastrinae

Genus: *Apanteles* Förster, 1863

Apanteles aff. *acutissimus* Granger, 1949

Recorded from: Vayssières et al. 2001

Host information: *Diaphana indica* (Lepidoptera, Crambidae) (Vayssières et al. 2001)

Apanteles bordagei Giard, 1902

Recorded from: Rouse and Gupta 2013

Host information: Endoparasitoid of *Crobylophora daricella*, *Leucoptera coffeina*, *Leucoptera mayricki* (Lepidoptera, Lyonetiidae) (Ferrière 1936, Rouse and Gupta 2013)

Apanteles fontinalis de Saeger, 1944

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Apanteles* are endoparasitoids of Lepidoptera larvae (Farahani et al. 2012)

Apanteles galleriae Wilkinson, 1932

Recorded from: Rouse and Gupta 2013

Host information: *Achroia grisella*, *Galleria mellonella* and *Vitula edmansii* (Lepidoptera, Pyralidae) (Rouse and Gupta 2013)

Apanteles (Apanteles) minatchy Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Apanteles* are endoparasitoids of Lepidoptera larvae (Farahani et al. 2012)

Apanteles (Apanteles) nigrofemoratus Granger, 1949

Recorded from: Rousse and Gupta 2013

Host information: *Tortyra* sp. (Lepidoptera, Choreutidae) (Rousse and Gupta 2013)*Apanteles (Apanteles) phasmina* Rousse, 2013

Recorded from: Rousse and Gupta 2013

Host information: Unknown, but *Apanteles* spp. are endoparasitoids of Lepidoptera larvae (Farahani et al. 2012)*Apanteles (Apanteles) romei* Rousse, 2013

Recorded from: Rousse and Gupta 2013

Host information: *Diaphina* sp. (Lepidoptera, Pyralidae) on *Momordicha charantia* (Cucurbitaceae) (Rousse and Gupta 2013)**Genus: *Cotesia*** Cameron, 1891*Cotesia flavipes* Cameron, 1891

Recorded from: Kfir et al. 2002

Host information: About 30 lepidopteran species in Arctiidae, Brachodidae, Lymantriidae, Noctuidae, Pyralidae and Tortricidae, including major pests (Rousse and Gupta 2013)

Cotesia plutellae (Kurdumov, 1912)

Recorded from: Rousse and Gupta 2013

Host information: About 30 lepidopteran species in Arctiidae, Lasiocampidae, Lymantriidae, Noctuidae, Notodontidae, Nymphalidae, Pieridae, Plutellidae, Pterophoridae, Pyralidae and Tortricidae, including major pests (Rousse and Gupta 2013)

Cotesia ruficrus (Haliday, 1834)

Recorded from: Rousse and Gupta 2013

Host information: About 100 lepidopteran species in Arctiidae, Brachodidae, Dilobidae, Gelechiidae, Geometridae, Hesperidae, Lasiocampidae, Lycaenidae, Lymantriidae, Noctuidae, Nymphalidae, Pieridae, Plutellidae, Pyralidae and Tortricidae (Rousse and Gupta 2013)

Cotesia sesamiae (Cameron, 1906)

Recorded from: Van Achterberg and Polaszek 1996

Host information: 15 species of Noctuidae and Pyralidae, including major pests (Rousse and Gupta 2013)

Cotesia xavieri Rousse, 2013

Recorded from: Rousse and Gupta 2013

Host information: Unknown, but *Apanteles* spp. are endoparasitoids of Lepidoptera larvae (Rousse and Gupta 2013)

Genus: *Diolcogaster* Ashmead, 1900*Diolcogaster austrina* (Wilkinson, 1929)

Recorded from: Aubert 1966

Host information: Unknown, but *Diolcogaster* spp. are endoparasitoids in 11 families of Lepidoptera including: Arctiidae, Geometridae, Lasiocampidae, Limacodidae, Lymantriidae, Noctuidae, Notodontidae, Plutellidae, Pyralidae, Tenthredinidae, and Thaumetopoeidae (Zeng et al. 2011)*Diolcogaster curticornis* (Granger, 1949)

Recorded from: Rouse and Gupta 2013

Host information: *Brenthia leptocosma*, (Lepidoptera, Choreutidae) *Macalla* sp. (Lepidoptera, Pyralidae) (Rouse and Gupta 2013)**Genus: *Distatrix*** Mason, 1981*Distatrix belliger* (Wilkinson, 1929)

Recorded from: Rouse and Gupta 2013

Host information: *Helicoverpa armigera*, *Pseudaletia unipunctata* and *Mythimna* sp. (Lepidoptera, Noctuidae) (Rouse and Gupta 2013)*Distatrix yunae* Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Distatrix* spp. are endoparasitoids of Lepidoptera larvae (Rouse and Gupta 2013)**Genus: *Dodogaster*** Rouse, 2013*Dodogaster grangeri* Rouse, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown

Genus: *Dolichogenidea* Viereck, 1911*Dolichogenidea ashoka* Rouse, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Dolichogenidea* spp. are endoparasitoids of Lepidoptera larvae (Rouse and Gupta 2013)*Dolichogenidea broadi* Rouse, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Dolichogenidea* spp. are endoparasitoids of Lepidoptera larvae (Rouse and Gupta 2013)*Dolichogenidea lumba* Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Dolichogenidea* spp. are endoparasitoids of Lepidoptera larvae (Rouse and Gupta 2013)

Dolichogenidea uru Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Dolichogenidea* spp. are endoparasitoids of Lepidoptera larvae (Rouse and Gupta 2013)

Dolichogenidea villemantae Rouse, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Dolichogenidea* spp. are endoparasitoids of Lepidoptera larvae (Rouse and Gupta 2013)

Genus: *Exoryza* Mason, 1981

Exoryza safranum Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Exoryza* spp. are endoparasitoids of Lepidoptera larvae (Rouse and Gupta 2013)

Genus: *Glyptapanteles* Ashmead, 1904

Glyptapanteles antsirabensis (Granger, 1949)

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Glyptapanteles* spp. are endoparasitoids of Lepidoptera larvae (Rouse and Gupta 2013)

Glyptapanteles chidra Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Glyptapanteles* spp. are endoparasitoids of Lepidoptera larvae (Rouse and Gupta 2013)

Glyptapanteles ficus (Granger, 1949)

Recorded from: Rouse and Gupta 2013

Host information: *Naroma signifera* (Lepidoptera, Lymantriidae) (Rouse and Gupta 2013)

Glyptapanteles subandinus (Blanchard, 1947)

Recorded from: Rouse and Gupta 2013

Host information: *Achyra bifidalis* (Lepidoptera, Pyralidae), *Phthorimaea operculella* and *Scrobipalpa absoluta* (Lepidoptera, Gelechiidae) on *Solanum tuberosum* (Solanaceae) (Rouse and Gupta 2013)

Genus: *Microplitis* Förster, 1863

Microplitis subsulcatus Granger, 1949

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Microplitis* spp. are endoparasitoids of Lepidoptera larvae (Rouse and Gupta 2013)

Genus: *Nyereria* Mason, 1981*Nyereria ganges* Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Nyereria* spp. are endoparasitoids of macrolepidoptera larvae (Rouse and Gupta 2013)*Nyereria mayurus* Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Nyereria* spp. are endoparasitoids of macrolepidoptera larvae (Rouse and Gupta 2013)**Genus: *Parapanteles*** Ashmead, 1900*Parapanteles covino* Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Parapanteles* spp. are endoparasitoids in 7 families of Lepidoptera including: Arctiidae, Noctuidae, Notodontidae, Elachistidae, Saturniidae, Geometridae, Gelechiidae (Valerio et al. 2009)*Parapanteles darignac* Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown. but *Parapanteles* spp. are endoparasitoids in 7 families of Lepidoptera including: Arctiidae, Noctuidae, Notodontidae, Elachistidae, Saturniidae, Geometridae, Gelechiidae (Valerio et al. 2009)**Genus: *Venanides*** Mason, 1981*Venanides curticornis* (Granger, 1949)

Recorded from: Rouse and Gupta 2013

Host information: Unknown, but *Venanides* spp. are endoparasitoids of microlepidoptera larvae (Rouse and Gupta 2013)**Genus: *Wilkinsonellus*** Mason, 1981*Wilkinsonellus narangabus* Rouse & Gupta, 2013

Recorded from: Rouse and Gupta 2013

Host information: Unknown

Subfamily: Gnamptodontinae**Genus: *Gnamptodon*** Haliday, 1833*Gnamptodon legorskyi* Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown, but *Gnamptodon* spp. are parasitoids of Nepticulidae.

Subfamily: Opiinae**Genus: *Diachasmimorpha*** Viereck, 1913*Diachasmimorpha fullawayi* (Silvestri, 1913)

Recorded from: Quilici et al. 2003

Host information: *Ceratitis capitata* (Diptera, Tephritidae) (Quilici et al. 2003, Fischer and Madl 2008)*Diachasmimorpha tryoni* (Cameron, 1911)

Recorded from: Hurtrel et al. 1999

Host information: At least 6 species of Tephritidae (Diptera) (Ramadan et al. 1994, Wharton and Gilstrap 1983)

Genus: *Fopius* Wharton, 1987*Fopius arisanus* (Sonan, 1932)

Recorded from: Quilici et al. 2003

Host information: *Bactrocera zonata*, *Ceratitis capitata*, *Ceratitis catoirii*, *Ceratitis rosa*, *Dacus ciliatus*, *Dacus demmerezi*, *Neoceratitis cyanescens* (Diptera, Tephritidae) (Fischer and Madl 2008)**Genus: *Opius*** Wesmael, 1835*Opius dissitus* Muesebeck, 1963

Recorded from: Vayssières et al. 2001

Host information: *Liriomyza* spp. (Diptera, Agromyzidae) (Stegmaier 1972, Schuster and Wharton 1993, Vayssières et al. 2001)*Opius (Utetes) coriacitergum* Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown, but Opiinae are parasitoids of *Cyclorhapha* (Diptera) larvae (Ameri et al. 2014)*Opius (Tolbia) karlmayi* Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown, but Opiinae are parasitoids of *Cyclorhapha* (Diptera) larvae (Ameri et al. 2014)*Opius (Utetes) lareunionensis* Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown, but Opiinae are parasitoids of *Cyclorhapha* (Diptera) larvae (Ameri et al. 2014)

Opius (Gastrosema) laticrenis Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)

Opius (Opius) raoiformis Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)

Opius (Utetes) semipilosus Fischer, 2014

Recorded from: Fischer 2014

Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)

Opius (Gastrosema) waterloti Granger, 1949

Recorded from: Fischer and Madl 2008

Host information: Unknown, but Opiinae are parasitoids of Cyclorrhapha (Diptera) larvae (Ameri et al. 2014)

Genus: *Psytalia* Walker, 1860*Psytalia cosyrae* (Wilkinson, 1927)

Recorded from: Doubtful record. Fischer (1987) recorded it from Reunion because "Réunion, Mayotte" was indicated on the label.

Host information: *Dacus* sp. (Diptera, Tephritidae) (Fischer and Madl 2008)*Psytalia distinguenda* (Granger, 1949)

Recorded from: Wharton et al. 1999

Host information: *Ceratitis capitata* (Diptera, Tephritidae) (Quilici et al. 2003, Fischer and Madl 2008)*Psytalia fletcheri* (Sylvestri, 1916)

Recorded from: Hurtrel et al. 1999

Host information: *Bactrocera cucurbitae*, *Ceratitis capitata* and *Dacus ciliatus* (Diptera, Tephritidae) (Fischer and Madl 2008)*Psytalia insignipennis* (Granger, 1949)

Recorded from: Wharton et al. 1999

Host information: *Ceratitis capitata*, *Ceratitis catoirii* and *Neoceratitis cyanescens* (Diptera, Tephritidae) (Quilici et al. 2003, Fischer and Madl 2008)

Psyttalia phaeostigma (Wilkinson, 1927)

Recorded from: Fischer 1987

Host information: *Dacus ciliatus* and *Dacus demmerezi* (Diptera, Tephritidae) (Fischer and Madl 2008)

Psyttalia sanctamarina (Fischer, 1980)

Recorded from: Fischer 1980

Host information: *Spathulina aroleuca* (Diptera, Tephritidae) (Fischer and Madl 2008)

Psyttalia subsulcata (Granger, 1949)

Recorded from: Fischer and Madl 2008

Host information: *Spathulina aroleuca* (Diptera, Tephritidae) (Fischer and Madl 2008)

Family: ICHNEUMONIDAE

Subfamily: Banchinae

Genus: *Himertosoma* Schimedeknecht, 1900

Himertosoma bebourensis (Benoit, 1957)

Recorded from: Benoit 1957

Host information: Unknown, but Banchinae are parasitoid of Lepidoptera larvae (Rousse and Villemant 2012)

Himertosoma striata (Seyrig, 1932)

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but Banchinae are parasitoid of Lepidoptera larvae (Rousse and Villemant 2012)

Subfamily: Campopleginae

Genus: *Campoplex* Gravenhorst, 1829

Campoplex techer Rousse & Villemant, 2012

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)

Genus: *Diadegma* Förster, 1869

Diadegma insulare (Cresson, 1865)

Recorded from: Rousse and Villemant 2012

Host information: *Plutella xylostella*, *Plutella opercula*, *Plutella omissa*, *Plutella armoraciae* (Lepidoptera, Plutellidae) and *Hellula undalis* (Lepidoptera, Pyralidae) (Sourakov and Mitchell 2000, Rouse and Villemant 2012)

Diadegma mollipla (Holmgren, 1868)

Recorded from: Vayssières et al. 2001

Host information: *Plutella xylostella*, (Lepidoptera, Plutellidae) and *Phthorimaea operculella* (Lepidoptera, Gelechiidae) (Rouse and Villemant 2012)

Genus: *Dusona* Cameron, 1901

Dusona douraguia Rouse & Villemant, 2012

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rouse and Villemant 2012)

Dusona pauliani (Benoit, 1957)

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rouse and Villemant 2012)

Genus: *Enytus* Cameron, 1905

Enytus huet Rouse & Villemant, 2012

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rouse and Villemant 2012)

Genus: *Eriborus* Förster, 1869

Eriborus cadjee Rouse & Villemant, 2012

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rouse and Villemant 2012)

Eriborus pallipes (Brullé, 1846)

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rouse and Villemant 2012)

Genus: *Hyposoter* Förster 1869*Hyposoter reunionis* (Benoit, 1957)

Recorded from: Benoit 1957

Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)

Genus: *Venturia* Schrottky, 1902*Venturia canescens* (Gravenhorst, 1829)

Recorded from: Rousse and Villemant 2012

Host information: 23 species belonging to the families Pyralidae, Noctuidae, Tortricidae, Gelechiidae, Tineidae and Yponomeutidae (Lepidoptera) (Rousse and Villemant 2012)

Genus: *Xanthocampoplex* Morley, 1913*Xanthocampoplex huberti* Rousse & Villemant, 2012

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but Campopleginae are generally parasitoids of Lepidoptera and Symphyta but they sometimes parasitize Coleoptera and Neuroptera (Rousse and Villemant 2012)

Subfamily: Cremastinae**Genus: *Pristomerus*** Curtis, 1836*Pristomerus rivier* Rousse & Villemant, 2012

Recorded from: Rousse and Villemant 2012

Host information: *Plutella xylostella* (Plutellidae) (Rousse and Villemant 2012) and *Prophantis smaragdina* (Chartier et al. 2013, Identified by Rousse 2012 unpublished data)**Genus: *Temelucha*** Meyrick, 1909*Temelucha basiornata* (Cameron, 1911)

Recorded from: Rousse and Villemant 2012

Host information: Unidentified rice stem borer, probably *Diopsis* sp. (Diptera, Diopsidae) (Zwart 1998)*Temelucha labusi* Rousse & Villemant, 2012

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but Cremastinae are endoparasitoids of Lepidoptera or Coleoptera larvae in leaf folds, tunnels, buds, galls or other concealed situations (Rousse and Villemant 2012)

Temelucha minuta (Morley, 1912)

Recorded from: Rouse and Villemant 2012

Host information: *Grapholita critica* (Lepidoptera, Tortricidae), *Etiella behrii* (Lepidoptera, Pyralidae), *Bilobata subsecivella* (Lepidoptera, Gelechiidae) on peanut, *Phthorimaea operculella* (Lepidoptera, Gelechiidae) on potato (Gauld 1980, Rouse and Villemant 2012)

Temelucha pestifer (Morley, 1913)

Recorded from: Benoit 1957

Host information: An unidentified stem borer on *Oryza sativa* (Poaceae) field (Rouse and Villemant 2012)

Temelucha talibarti Rouse, Villemant & Seyrig, 2011

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Cremastinae are endoparasitoids of Lepidoptera or Coleoptera larvae in leaf folds, tunnels, buds, galls or other concealed situations (Rouse and Villemant 2012)

Temelucha sp. 1

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Cremastinae are endoparasitoids of Lepidoptera or Coleoptera larvae in leaf folds, tunnels, buds, galls or other concealed situations (Rouse and Villemant 2012)

Temelucha sp. 2

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Cremastinae are endoparasitoids of Lepidoptera or Coleoptera larvae in leaf folds, tunnels, buds, galls or other concealed situations (Rouse and Villemant 2012)

Genus: *Trathala* Cameron, 1899*Trathala annulicornis* (Tosquinet, 1896)

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Cremastinae are endoparasitoids of Lepidoptera or Coleoptera larvae in leaf folds, tunnels, buds, galls or other concealed situations (Rouse and Villemant 2012)

Trathala flavoorbitalis (Cameron, 1907)

Recorded from: Rouse and Villemant 2012

Host information: Seventy-eight host records, all Lepidoptera (Gelechoidea, Noctuoidea, Pyraloidea, Tineoidea and Tortricoidea) (Rouse and Villemant 2012)

Subfamily: Cryptinae**Genus: *Acrolyta*** Förster, 1868

Acrolyta dindar Rouse & Villemant, 2012

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Cryptinae generally are ectoparasitoids of Holometabola pupae or prepupae. Some species are endoparasitoids, and some species parasitize the egg masses of Araneae and Pseudoscorpionida. (Rouse and Villemant 2012)

Genus: *Diatora* Förster, 1868

Diatora albiscapus (Seyrig, 1952)

Recorded from: Rouse and Villemant 2012

Host information: *Apanteles* sp. (Hymenoptera, Braconidae) ex *Napta serratilinea* (Lepidoptera, Lasiocampidae) and *Nephele densoi* (Lepidoptera, Sphingidae) on mimosa (*Mimosa* sp.) (Seyrig 1952, Rouse and Villemant 2012)

Genus: *Paraphylax* Förster, 1869

Paraphylax mussar Rouse & Villemant, 2012

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but *Paraphylax* spp. are parasitoids of *Heliothis armigera* (Lepidoptera, Noctuidae) (Choudhary et al. 1983)

Paraphylax transversatoria (Seyrig, 1952)

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but *Paraphylax* spp. are parasitoids of *Heliothis armigera* (Lepidoptera, Noctuidae) (Choudhary et al. 1983)

Genus: *Phygadeuon* Gravenhorst, 1829

Phygadeuon nativel Rouse & Villemant, 2012

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but *Phygadeuon* spp. are parasitoids of *Musca domestica* (Diptera, Muscidae) and *Rhagoletis cerasi* (Diptera, Tephritidae) (Rouse and Villemant 2012)

Subfamily: Diplazontinae**Genus: *Diplazon*** Nees, 1918

Diplazon laetatorius (Fabricius, 1781)

Recorded from: de Saussure 1892

Host information: Parasitoid of a wide range of Diptera, especially aphidophagous syrphid flies (more than 50 host species reported in Syrphidae) (Rousse and Villemant 2012)

Subfamily: Ichneumoninae

Genus: *Crytea* Cameron, 1906

Crytea albitrochanterata (Heinrich, 1938)

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but Ichneumoninae are endoparasitoids of Lepidoptera larvae or pupae (Rousse and Villemant 2012)

Genus: *Ichneumon* Fabricius, 1798

Ichneumon uncinatus Brullé, 1846

Recorded from: Rousse and Villemant 2012

Host information: *Charadrina* sp., *Sciomesia biluma*, *Sesamia calamistis* (Lepidoptera, Noctuidae, Amphipyriinae) (Zwart 1998)

Subfamily: Mesochorinae

Genus: *Mesochorus* Gravenhorst, 1829

Mesochorus cariniferus Benoit, 1955

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but Mesochorinae are hyperparasitoids of Ichneumonoidea (Hymenoptera) or Tachinidae (Diptera) (Rousse and Villemant 2012)

Mesochorus sp.

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but Mesochorinae are hyperparasitoids of Ichneumonoidea (Hymenoptera) or Tachinidae (Diptera) (Rousse and Villemant 2012)

Subfamily: Metopiinae

Genus: *Triclistus* Förster, 1869

Triclistus aitkeni (Cameron, 1897)

Recorded from: Rousse and Villemant 2012

Host information: *Cnaphalocrocis medinalis* (Guenée) (Lepidoptera: Pyralidae) on rice (*Oryza sativa*) (Rousse and Villemant 2012)

Subfamily: Ophioninae

Genus: *Enicospilus* Stephens, 1835

Enicospilus angustatus (Brullé, 1846)

Recorded from: Bordage 1914

Host information: Unknown, but *Enicospilus* spp. are nocturnal endoparasitoids of Lepidoptera (Rousse and Villemant 2012)

Enicospilus betanimenus (Saussure, 1892)

Recorded from: Rousse and Villemant 2012

Host information: *Achaea faber*, *Dysgonia pudica*, *Dysgonia triplocyma*, *Heliophis-ma klugii*, and *Tatorinia rufipennis* (Lepidoptera, Noctuidae) (Rousse and Villemant 2012)

Enicospilus dolosus (Tosquinet, 1896)

Recorded from: Rousse and Villemant 2012

Host information: *Anomis leona* (Lepidoptera, Noctuidae) and *Haritalodes derogate* (Lepidoptera, Crambidae) (Rousse and Villemant 2012)

Enicospilus dubius (Tosquinet, 1896)

Recorded from: Rousse and Villemant 2012

Host information: *Anomis leona*, *Chrysodeixis chalcites* (Lepidoptera, Noctuidae) and *Plusia* sp. (Lepidoptera, Plusiidae) (Gauld and Mitchell 1978)

Enicospilus grandiflavus Townes, 1973

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but *Enicospilus* spp. are nocturnal endoparasitoids of Lepidoptera (Rousse and Villemant 2012)

Enicospilus helvolus Gauld & Mitchell, 1978

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but *Enicospilus* spp. are nocturnal endoparasitoids of Lepidoptera (Rousse and Villemant 2012)

Enicospilus hova Gauld & Mitchell, 1978

Recorded from: Gauld and Mitchell 1978

Host information: Unknown, but *Enicospilus* spp. are nocturnal endoparasitoids of Lepidoptera (Rousse and Villemant 2012)

Enicospilus mauritii (de Saussure, 1892)

Recorded from: Bordage 1914

Host information: *Chilo sacchariphagus* (Lepidoptera, Pyralidae), *Leucania loreyi* (Lepidoptera, Noctuidae, Hadeninae), *Mythimna loreyi* (Lepidoptera, Noctuidae), *Olethreutes schistaceanus*, *Tetramoera schistaceana* (Lepidoptera, Tortricidae, Olethreutinae), *Procherata sacchariphaga*, *Procerata venostata* (Lepidoptera, Brachodidae), *Sesamia calamistis*, *Sesamia inferens*, *Sesamia nonagrioides*, *Speia vuteria* (Lepidoptera, Noctuidae, Amphipyridae) (Rousse and Villemant 2012)

Enicospilus rufus (Brullé, 1846)

Recorded from: Benoit 1957

Host information: *Ctenoplusia limbirena*, *Trigonodes hyppasia* (Lepidoptera, Noctuidae) (Rousse and Villemant 2012).

Enicospilus ruscus Gauld & Mitchell, 1978

Recorded from: Rousse and Villemant 2012

Host information: *Mythimna loreyi*, *Sesamia botanephaga*, *Sesamia veturia*, (Lepidoptera, Noctuidae) (Rousse and Villemant 2012)

Enicospilus sesamiae Delobel, 1974

Recorded from: Zwart 1998

Host information: *Procerata venosata* (Lepidoptera, Brachodidae) (Gauld and Mitchell 1978), *Busseola fusca*, *Sesamia calamistis* and *Sesamia vuteria* (Lepidoptera, Noctuidae) (Zwart 1998)

Enicospilus transvaalensis Cameron, 1911

Recorded from: Rousse and Villemant 2012

Host information: *Mythimna* sp. and *Sesamia calamistis* (Lepidoptera, Noctuidae) (Rousse and Villemant 2012)

Enicospilus vitry Rousse & Villemant, 2012

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but *Enicospilus* spp. are nocturnal endoparasitoids of Lepidoptera (Rousse and Villemant 2012)

Subfamily: Orthocentrinae

Genus: *Megastylus* Schiødte, 1838

Megastylus vagabundus Seyrig, 1934

Recorded from: Rousse and Villemant 2012

Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rousse and Villemant 2012)

Genus: *Orthocentrus* Gravenhorst, 1829*Orthocentrus urbanus* Seyrig, 1934

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rouse and Villemant 2012)

Genus: *Pantisarthrus* Förster, 1871*Pantisarthrus isolatus* (Benoit, 1957)

Recorded from: Benoit 1957

Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rouse and Villemant 2012)

Genus: *Proclitus* Förster, 1869*Proclitus ligatus* (Seyrig, 1934)

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rouse and Villemant 2012)

Genus: *Stenomacrus* Förster, 1869*Stenomacrus payet* Rouse & Villemant, 2012

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rouse and Villemant 2012)

Genus: *Tariqia* Rouse and Villemant, 2012*Tariqia stellaris* Rouse & Villemant, 2012

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Orthocentrinae are endoparasitoids of Mycetophilidae and Sciaridae (Diptera) (Rouse and Villemant 2012)

Subfamily: Pimplinae**Genus: *Echthromorpha*** Holmgren, 1868*Echthromorpha spinator* (Fabricius, 1798)

Recorded from: Rouse and Villemant 2012

Host information: *Nagia linteola* (Lepidoptera, Noctuidae) (Rouse and Villemant 2012)**Genus: *Itopectis*** (Förster, 1869)*Itopectis albipes* Seyrig 1932

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but morphological studies indicate that *Itopectis albipes* uses echolocation when foraging for hosts (Broad and Quicke 2000)

Genus: *Xanthophenax* Saussure, 1892

Xanthophenax defector Seyrig, 1932

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Pimplinae are generally ectoparasitoids of pupae and larvae of Holometabola. Some species parasitize adult and egg sacs of Araneae (Rouse and Villemant 2012)

Xanthophenax pacificator Seyrig, 1932

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Pimplinae are generally ectoparasitoids of pupae and larvae of Holometabola. Some species parasitize adult and egg sacs of Araneae (Rouse and Villemant 2012)

Xanthophenax xanthomelas (Brullé, 1846)

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Pimplinae are generally ectoparasitoids of pupae and larvae of Holometabola. Some species parasitize adult and egg sacs of Araneae (Rouse and Villemant 2012)

Genus: *Xanthopimpla* de Saussure, 1892

Xanthopimpla stemmator (Thunberg, 1824)

Recorded from: Kfir et al. 2002

Host information: More than 30 species of Pyralidae (Lepidoptera) (Rouse and Villemant 2012)

Genus: *Zatypota* Förster, 1869

Zatypota inexpectata (Seyrig, 1932)

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but Pimplinae are generally ectoparasitoids of pupae and larvae of Holometabola. Some species parasitize adult and egg sacs of Araneae (Rouse and Villemant 2012)

Subfamily: Tersilochinae

Genus: *Aneuclis* Förster, 1869

Aneuclis larga Khalaim, 2009

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but most Tersilochinae are endoparasitoids of Coleoptera (generally Curculionidae and Chrysomelidae). Some species parasitize Symphyta (Hymenoptera) (Rouse and Villemant 2012)

Genus: *Diaparsis* Förster, 1869*Diaparsis ramassamy* Rouse & Villemant, 2012

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but most Tersilochinae are endoparasitoids of Coleoptera (generally Curculionidae and Chrysomelidae). Some species parasitize Symphyta (Hymenoptera) (Rouse and Villemant 2012)

Subfamily: Tryphoninae**Genus: *Netelia*** Gray, 1860*Netelia melanopus* (Brullé, 1846)

Recorded from: de Saussure 1892

Host information: *Mythimna loreyi*, *Sesamia calamistis*, *Sesamia inferens* (Lepidoptera, Noctuidae), *Olethreutes schistaceanus* (Lepidoptera, Tortricidae) and *Chilo sacchariphagus* (Lepidoptera, Pyralidae) (Rouse and Villemant 2012)*Netelia* sp.

Recorded from: Rouse and Villemant 2012

Host information: Unknown, but *Netelia* spp. are ectoparasitoids of Lepidoptera larvae (Rouse and Villemant 2012)**Table 1.** List of Ichneumonoidea recorded from Reunion Island.

Family	Subfamily	Genus / Species	General host information	Recorded from
BRACONIDAE	Agathidinae	<i>Biroia costata</i> (Brullé, 1846)	Unknown	Granger 1949
		<i>Camptothlipsis curticornis</i> Granger, 1949	<i>Nephoterix beharella</i>	Quilici et al. 2003
		<i>Coccygidium lutea</i> (Brullé, 1846)	<i>Condica conducta</i> <i>Mythimna curvuvula</i> <i>Mythimna loreyi</i>	Brullé 1846
	Alysiinae	<i>Adelphenaldis grimorum</i> Fischer, 2014	Unknown	Fischer 2014
		<i>Adelphenaldis nanocorpus</i> Fischer, 2014	Unknown	Fischer 2014
		<i>Aphaereta</i> sp.	Diptera Cyclorrhapha	Quilici et al. 2003
		<i>Asobara diadegmae</i> Fischer, 2014	<i>Diadegma</i> sp. (Ichneumonidae)	Fischer 2014
		<i>Cratospila sinenotaulis</i> Fischer, 2014	Unknown	Fischer 2014
		<i>Dacnusa sibirica</i> Telenga, 1934	Agromyzidae	Vayssières et al. 2001
		<i>Dacnusa</i> sp.	Agromyzidae	Vayssières et al. 2001

Family	Subfamily	Genus / Species	General host information	Recorded from
BRACONIDAE	Alysiinae	<i>Dinotrema candidiapex</i> Fischer, 2014	Unknown	Fischer 2014
		<i>Synaldis dugainensis</i> Fischer, 2014	Unknown	Fischer 2014
		<i>Synaldis robusticeps</i> Fischer, 2014	Unknown	Fischer 2014
	Aphidiinae	<i>Aphidius camerunensis</i> Mackauer, 1966	<i>Sitobion</i>	Sary et al. 1994
		<i>Aphidius colemani</i> Viereck, 1912	Aphididae	Vayssières et al. 2001
		<i>Aphidius rosae</i> Haliday, 1833	<i>Macrosiphum rosae</i> <i>Sitobion fragariae</i>	Sary et al. 1977
		<i>Aphidius seyrigi</i> Granger 1949	Aphididae	Benoit 1957
		<i>Diaeretiella rapae</i> (McIntosh, 1855)	Aphididae	Quilici et al. 1988
		<i>Praon</i> sp.	<i>Aphis</i> sp.	Vayssières et al. 2001
		Braconinae	<i>Bracon (Habrobracon) hebetor</i> (Say, 1836)	Crambidae, Lycaenidae, Pyralidae (Lep.)
	<i>Iphiaulax didymus</i> (Brullé, 1846)		Unknown	Brullé 1846
	Charmontinae	<i>Charmon ramagei</i> Rouse, 2013	Unknown	Rouse 2013
	Cheloninae	<i>Chelonus (Microchelonus) curvimaculatus</i> Cameron, 1906	<i>Pectinophora gossypiella</i> , <i>Trichoplusia ni</i>	Quilici et al. 2003 Braet et al. 2012
		<i>Chelonus (Microchelonus) matilei</i> Braet & Rouse, 2012	Unknown	Braet et al. 2012
		<i>Chelonus (Chelonus) mayi</i> Braet & Rouse, 2012	Unknown	Braet et al. 2012
		<i>Chelonus (Microchelonus) merdicus</i> Rouse & Braet, 2012	Unknown	Braet et al. 2012
		<i>Chelonus</i> sp.	Unknown	Quilici et al. 2003
	Doryctinae	<i>Ipodoryctes</i> sp.	Coleoptera	Zaldivar-Riveron et al. 2008
		<i>Rinamba opacicollis</i> Cameron, 1912	Coleoptera	Braet 2001
	Euphorinae	<i>Centistes caloupile</i> Rouse & Braet, 2012	Unknown	Rouse and Braet 2012
		<i>Chrysopophthorus</i> sp.	Chrysopidae	Semeria and Quilici 1986
		<i>Cosmophorus merdiculatus</i> Rouse & Braet, 2012	Scolytinae	Rouse and Braet 2012
		<i>Leiophron sarabae</i> Rouse & Braet, 2012	Miridae or Psocoptera	Rouse and Braet 2012
<i>Leiophron yaeli</i> Rouse & Braet, 2012		Miridae or Psocoptera	Rouse and Braet 2012	
<i>Meteorus anthracnemis</i> de Saeger, 1946		Lepidoptera	Rouse and Braet 2012	
<i>Meteorus comonile</i> Rouse & Braet, 2012		Lepidoptera	Rouse and Braet 2012	
<i>Meteorus pulchricornis</i> Rouse & Braet, 2012		Lepidoptera	Rouse and Braet 2012	

Family	Subfamily	Genus / Species	General host information	Recorded from	
BRACONIDAE	Euphorinae	<i>Syntretus massale</i> Rousse & Braet, 2012	Hymenoptera	Rousse and Braet 2012	
	Gnamptodontinae	<i>Gnamptodon legorskyi</i> Fischer, 2014	Nepticulidae	Fischer 2014	
	Microgastrinae		<i>Apanteles aff. acutissimus</i> Granger, 1949	<i>Diaphana indica</i>	Vayssières et al. 2001
			<i>Apanteles bordagei</i> Giard, 1902	<i>Crobylophora daricella</i> <i>Leucoptera coffeina</i> <i>Leucoptera mayricki</i>	Rousse and Gupta 2013
			<i>Apanteles fontinalis</i> de Saeger, 1944	Lepidoptera	Rousse and Gupta 2013
			<i>Apanteles galleriae</i> Wilkinson, 1932	Lepidoptera, Pyralidae	Rousse and Gupta 2013
			<i>Apanteles minatchy</i> Rousse & Gupta, 2013	Lepidoptera	Quilici et al. 2003
			<i>Apanteles nigrofemoratus</i> Granger, 1949	Lepidoptera, Cheurotidae	Rousse and Gupta 2013
			<i>Apanteles phasmina</i> Rousse, 2013	Lepidoptera	Rousse and Gupta 2013
			<i>Apanteles romei</i> Rousse, 2013	<i>Diaphana</i> sp.	Rousse and Gupta 2013
			<i>Cotesia flavipes</i> Cameron, 1891	Lepidoptera	Kfir et al. 2002
			<i>Cotesia plutellae</i> (Kurdumov, 1912)	Lepidoptera	Rousse and Gupta 2013
			<i>Cotesia ruficrus</i> (Haliday, 1834)	Lepidoptera	Rousse and Gupta 2013
			<i>Cotesia sesamiae</i> (Cameron, 1906)	Lepidoptera, Noctuidae, Pyralidae	Van Achterberg and Polaszek 1996
			<i>Cotesia xavieri</i> Rousse, 2013	Lepidoptera	Rousse and Gupta 2013
			<i>Diolcogaster austrina</i> (Wilkinson, 1929)	Lepidoptera	Aubert 1966
			<i>Diolcogaster curticornis</i> (Granger, 1949)	Lepidoptera	Rousse and Gupta 2013
			<i>Distatrix belliger</i> (Wilkinson, 1929)	Lepidoptera	Rousse and Gupta 2013
			<i>Distatrix yunae</i> Rousse & Gupta, 2013	Lepidoptera	Rousse and Gupta 2013
			<i>Dodogaster grangeri</i> Rousse, 2013	Lepidoptera	Rousse and Gupta 2013
			<i>Dolichogenidea ashoka</i> Rousse, 2013	Lepidoptera	Rousse and Gupta 2013
			<i>Dolichogenidea broadi</i> Rousse, 2013	Lepidoptera	Rousse and Gupta 2013
		<i>Dolichogenidea lumba</i> Rousse & Gupta, 2013	Lepidoptera	Rousse and Gupta 2013	
		<i>Dolichogenidea uru</i> Rousse & Gupta, 2013	Lepidoptera	Rousse and Gupta 2013	

Family	Subfamily	Genus / Species	General host information	Recorded from
BRACONIDAE	Microgastrinae	<i>Dolichogenidea villemantae</i> Rousse, 2013	Lepidoptera	Rousse and Gupta 2013
		<i>Exoryza safranum</i> Rousse & Gupta, 2013	Lepidoptera	Rousse and Gupta 2013
		<i>Glyptapanteles antsirabensis</i> (Granger, 1949)	Lepidoptera	Rousse and Gupta 2013
		<i>Glyptapanteles chidra</i> Rousse & Gupta, 2013	Lepidoptera	Rousse and Gupta 2013
		<i>Glyptapanteles ficus</i> (Granger, 1949)	<i>Naroma signifera</i>	Rousse and Gupta 2013
		<i>Glyptapanteles subandinus</i> (Blanchard, 1947)	<i>Achyra bifidalis</i> <i>Phthorimaea operculella</i> <i>Scrobipalpula absoluta</i>	Rousse and Gupta 2013
		<i>Microplitis subsulcatus</i> Granger, 1949	Lepidoptera	Rousse and Gupta 2013
		<i>Nyereria ganges</i> Rousse & Gupta, 2013	Lepidoptera	Rousse and Gupta 2013
		<i>Nyereria mayurus</i> Rousse & Gupta, 2013	Lepidoptera	Rousse and Gupta 2013
		<i>Parapanteles covino</i> Rousse & Gupta, 2013	Lepidoptera	Rousse and Gupta 2013
		<i>Parapanteles darignac</i> Rousse & Gupta, 2013	Lepidoptera	Rousse and Gupta 2013
		<i>Venanides curticornis</i> (Granger, 1949)	Lepidoptera	Rousse and Gupta 2013
		<i>Wilkinsonellus narangahus</i> Rousse & Gupta, 2013	Unknown	Rousse and Gupta 2013
	Opiinae	<i>Diachasmimorpha fullawayi</i> (Silvestri, 1913)	<i>Ceratitis capitata</i>	Quilici et al. 2003
		<i>Diachasmimorpha tryoni</i> (Cameron, 1911)	Diptera, Tephritidae	Hurtrel et al. 1999
		<i>Fopius arisanus</i> (Sonan, 1932)	Diptera, Tephritidae	Quilici et al. 2003
		<i>Opius dissitus</i> Muesebeck, 1963	Diptera, Agromyzidae	Vayssières et al. 2001
		<i>Opius (Utetes) coriacitergum</i> Fischer, 2014	Diptera Cyclorrhapha	Fischer 2014
		<i>Opius (Tolbia) karlmayi</i> Fischer, 2014	Diptera Cyclorrhapha	Fischer 2014
		<i>Opius (Gastrosema) laticrenis</i> Fischer, 2014	Diptera Cyclorrhapha	Fischer 2014
		<i>Opius (Opius) raoiformis</i> Fischer, 2014	Diptera Cyclorrhapha	Fischer 2014
		<i>Opius (Utetes) semipilosus</i> Fischer, 2014	Diptera Cyclorrhapha	Fischer 2014
<i>Opius (Gastrosema) waterloti</i> Granger, 1949		Diptera Cyclorrhapha	Fischer and Madl 2008	
<i>Psytalia cosyrae</i> [1] (Wilkinson, 1927)		<i>Dacus</i> sp.	–	

Family	Subfamily	Genus / Species	General host information	Recorded from
BRACONIDAE	Opiinae	<i>Psytalia distinguenda</i> (Granger, 1949)	Diptera Cyclorrhapha	Wharton et al. 1999
		<i>Psytalia fletcheri</i> (Sylvestri, 1916)	Diptera Cyclorrhapha	Hurtrel et al. 1999
		<i>Psytalia insignipennis</i> (Granger, 1949)	<i>Ceratitis capitata</i> <i>Ceratitis catoirii</i> <i>Neoceratitis cyanescens</i>	Wharton et al. 1999
		<i>Psytalia phaeostigma</i> (Wilkinson, 1927)	<i>Dacus ciliatus</i> <i>Dacus demmerezi</i>	Fischer 1987
		<i>Psytalia sanctamarina</i> (Fischer, 1980)	<i>Spathulina aroleuca</i>	Fischer 1980
		<i>Psytalia subsulcata</i> (Granger, 1949)	<i>Spathulina aroleuca</i>	Fischer and Madl 2008
ICHNEUMONIDAE	Banchinae	<i>Himertosoma bebourensis</i> (Benoit, 1957)	Lepidoptera, Tortricidae, Gelechiidae	Benoit 1957
		<i>Himertosoma striata</i> (Seyrig, 1932)	Lepidoptera, Tortricidae, Gelechiidae	Rousse and Villemant 2012
	Campopleginae	<i>Campoplex techer</i> Rousse & Villemant, 2012	Lepidoptera, Coleoptera or Hymenoptera	Rousse and Villemant 2012
		<i>Diadegma insulare</i> (Cresson, 1865)	Lepidoptera, Plutellidae, Pyralidae	Rousse and Villemant 2012
		<i>Diadegma mollipla</i> (Holmgren, 1868)	Lepidoptera, Plutellidae, Gelechiidae	Vayssières et al. 2001
		<i>Dusona douraguia</i> Rousse & Villemant, 2012	Symphyta or Lepidoptera	Rousse and Villemant 2012
		<i>Dusona pauliani</i> (Benoit, 1957)	Symphyta or Lepidoptera	Rousse and Villemant 2012
		<i>Enytus huer</i> Rousse & Villemant, 2012	Lepidoptera, Coleoptera or Hymenoptera	Rousse and Villemant 2012
		<i>Eriborus cadjee</i> Rousse & Villemant, 2012	Unknown.	Rousse and Villemant 2012
		<i>Eriborus pallipes</i> (Brullé, 1846)	Unknown.	Rousse and Villemant 2012
		<i>Hyposoter reunionis</i> (Benoit, 1957)	Lepidoptera, Coleoptera or Hymenoptera	Benoit 1957
		<i>Venturia canescens</i> (Gravenhorst, 1829)	Lepidoptera	Rousse and Villemant 2012
	<i>Xanthocampoplex huberti</i> Rousse & Villemant, 2012	Lepidoptera, Gracillariidae, Pyralidae	Rousse and Villemant 2012	
	Cremastinae	<i>Pristomerus rivier</i> Rousse & Villemant, 2012	<i>Plutella xylostella</i> , <i>Prophantis smaragdina</i>	Rousse and Villemant 2012
		<i>Temelucha basiornata</i> (Cameron, 1911)	Diptera, Diopsidae	Rousse and Villemant 2012
		<i>Temelucha labusi</i> Rousse & Villemant, 2012	Lepidoptera	Rousse and Villemant 2012
Cremastinae	<i>Temelucha minuta</i> (Morley, 1912)	Lepidoptera	Rousse and Villemant 2012	

Family	Subfamily	Genus / Species	General host information	Recorded from
ICHNEUMONIDAE	Cremastinae	<i>Temelucha pestifer</i> (Morley, 1913)	Lepidoptera	Benoit 1957
		<i>Temelucha talibarti</i> Rousse, Villemant & Seyrig, 2011	Lepidoptera	Rousse and Villemant 2012
		<i>Temelucha</i> sp. 1	Lepidoptera	Rousse and Villemant 2012
		<i>Temelucha</i> sp. 2	Lepidoptera	Rousse and Villemant 2012
		<i>Trathala annulicornis</i> (Tosquinet, 1896)	<i>Leucinodes orbonalis</i>	Rousse and Villemant 2012
		<i>Trathala flavoorbitalis</i> (Cameron, 1907)	<i>Leucinodes orbonalis</i>	Rousse and Villemant 2012
	Cryptinae	<i>Acrolyta dindar</i> Rousse & Villemant, 2012	Unknown.	Rousse and Villemant 2012
		<i>Diatora albiscapus</i> (Seyrig, 1952)	<i>Apanteles</i>	Rousse and Villemant 2012
		<i>Paraphylax mussar</i> Rousse & Villemant, 2012	<i>Heliothis armigera</i>	Rousse and Villemant 2012
		<i>Paraphylax transversatoria</i> (Seyrig, 1952)	<i>Heliothis armigera</i>	Rousse and Villemant 2012
		<i>Phygadeuon nativel</i> Rousse & Villemant, 2012	<i>Musca domestica</i> <i>Rhagoletis cerasi</i>	Rousse and Villemant 2012
	Diplazontinae	<i>Diplazon laetatorius</i> (Fabricius, 1781)	Diptera, Syrphidae	Saussure 1892
	Ichneumoninae	<i>Crytea albitrochanterata</i> (Heinrich, 1938)	<i>Aletia pallens</i> <i>Despressaria heracliana</i>	Rousse and Villemant 2012
		<i>Ichneumon uninctus</i> Brullé, 1846	Lepidoptera, Noctuidae, Amphipyridae	Rousse and Villemant 2012
	Mesochorinae	<i>Mesochorus cariniferus</i> Benoit, 1955	<i>Phryganidia californica</i>	Rousse and Villemant 2012
		<i>Mesochorus</i> sp.	<i>Phryganidia californica</i>	Rousse and Villemant 2012
	Metopiinae	<i>Triclistus aitkeni</i> (Cameron, 1897)	Unknown.	Rousse and Villemant 2012
	Ophioninae	<i>Enicospilus angustatus</i> (Brullé, 1846)	Lepidoptera	Bordage 1914
		<i>Enicospilus betanimenus</i> (de Saussure, 1892)	Lepidoptera, Noctuidae	Rousse and Villemant 2012
		<i>Enicospilus dolosus</i> (Tosquinet, 1896)	Lepidoptera, Noctuidae, Crambidae	Rousse and Villemant 2012
		<i>Enicospilus dubius</i> (Tosquinet, 1896)	Lepidoptera, Noctuidae, Plusiidae	Rousse and Villemant 2012
		<i>Enicospilus grandiflavus</i> Townes, 1973	Lepidoptera	Rousse and Villemant 2012
		<i>Enicospilus helvolus</i> Gauld & Mitchell, 1978	<i>Anomis leona</i>	Rousse and Villemant 2012
		<i>Enicospilus hova</i> Gauld & Mitchell, 1978	Lepidoptera	Gauld and Mitchell 1978

Family	Subfamily	Genus / Species	General host information	Recorded from
ICHNEUMONIDAE	Ophioninae	<i>Enicospilus mauritii</i> (de Saussure, 1892)	Lepidoptera	Bordage 1914
		<i>Enicospilus rufus</i> (Brullé, 1846)	<i>Ctenoplusia limbirena</i> <i>Trigonodes hyppasia</i>	Benoit 1957
		<i>Enicospilus ruscus</i> Gauld & Mitchell, 1978	Lepidoptera, Noctuidae	Rousse and Villemant 2012
		<i>Enicospilus sesamiae</i> Delobel, 1974	Lepidoptera, Brachodidae, Noctuidae	Zwart 1998
		<i>Enicospilus transvaalensis</i> Cameron, 1911	<i>Mythimna</i> sp. <i>Sesamia calamistis</i>	Rousse and Villemant 2012
		<i>Enicospilus vitry</i> Rouse & Villemant, 2012	Lepidoptera	Rousse and Villemant 2012
	Orthocentrinae	<i>Megastylus vagabundus</i> Seyrig, 1934	Diptera or Hymenoptera	Rousse and Villemant 2012
		<i>Orthocentrus urbanus</i> Seyrig, 1934	Diptera, Coleoptera or Hymenoptera	Rousse and Villemant 2012
		<i>Pantisarthrus isolatus</i> (Benoit, 1957)	Unknown.	Benoit 1957
		<i>Proclitus ligatus</i> (Seyrig, 1934)	Diptera or Lepidoptera	Rousse and Villemant 2012
		<i>Stenomacrus payet</i> Rouse & Villemant, 2012	Unknown.	Rousse and Villemant 2012
		<i>Tariqia stellaris</i> Rouse & Villemant, 2012	Unknown.	Rousse and Villemant 2012
	Pimplinae	<i>Echthromorpha spinator</i> (Fabricius, 1798)	<i>Nagia linteola</i>	Rousse and Villemant 2012
		<i>Itopectis albipes</i> Seyrig, 1932	Unknown.	Rousse and Villemant 2012
		<i>Xanthophenax defector</i> Seyrig, 1932	<i>Hypsipyla scabruscelella</i>	Rousse and Villemant 2012
		<i>Xanthophenax pacificator</i> Seyrig, 1932	<i>Hypsipyla scabruscelella</i>	Rousse and Villemant 2012
		<i>Xanthophenax xanthomelas</i> (Brullé, 1846)	<i>Hypsipyla scabruscelella</i>	Rousse and Villemant 2012
		<i>Xanthopimpla stemmator</i> (Thunberg, 1824)	Lepidoptera, Pyralidae	Kfir et al. 2002
		<i>Zatypota inexpectata</i> Seyrig, 1932	Araneae or Lepidoptera	Rousse and Villemant 2012
	Tersilochinae	<i>Aneucelis larga</i> Khalaim, 2009	Unknown.	Rousse and Villemant 2012
		<i>Diaparsis ramassamy</i> Rouse & Villemant, 2012	Coleoptera, Symphyta	Rousse and Villemant 2012
	Tryphoninae	<i>Netelia melanopus</i> (Brullé 1846)	Lepidoptera, Tortricidae, Pyralidae, Noctuidae	Saussure 1892
		<i>Netelia</i> sp.	Lepidoptera	Rousse and Villemant 2012

[1] Fischer (1987) recorded it from Reunion, because «Réunion, Mayotte» is indicated on the label

Superfamily: CHALCIDOIDEA

Family: AGAONIDAE

Subfamily: Agaoninae

Genus: *Elisabethiella* Grandi, 1928

Elisabethiella reflexa Wiebes, 1975

Recorded from: Wiebes 1975

Host information: *Ficus reflexa* Thunb. (Moraceae) and *Ficus aldabrensis* Baker C.C. Berg (Wiebes 1975)

Genus: *Nigeriella* Wiebes, 1974

Nigeriella avicola Wiebes, 1975

Recorded from: Wiebes 1975

Host information: *Ficus rubra* Vahl (Moraceae) (Wiebes 1975)

Genus: *Platyscapa* Motschoulsky, 1863

Platyscapa etiennei Wiebes, 1977

Recorded from: Wiebes 1977

Host information: *Ficus salicifolia* Vahl (Moraceae) (Wiebes 1977)

Subfamily: Kradibiinae

Genus: *Ceratosolen* Mayr, 1885

Ceratosolen coecus (Coquerel, 1855)

Recorded from: Coquerel 1855

Host information: *Ficus mauritiana* Lam. (Moraceae) (Coquerel 1855)

Genus: *Kradibia* Saunders, 1883

Kradibia etiennei Wiebes, 1990

Recorded from: Wiebes and Gompton 1990

Host information: *Ficus lateriflora* Vahl (Moraceae) (Wiebes and Gompton 1990)

Subfamily: Sycophaginae

Genus: *Sycophaga* Westwood, 1840

Sycophaga explorator (Coquerel, 1855)

Recorded from: Coquerel 1855

Host information: Unknown. But *Sycophaga* are parasites of figs (Coquerel 1855)

Family: APHELINIDAE**Subfamily: Aphelininae****Genus: *Aphelinus*** Dalman, 1820*Aphelinus asychis* Walker, 1839

Recorded from: Vayssières et al. 2001

Host information: Hemiptera, Aphididae (Vayssières et al. 2001)

Aphelinus gossypii Timberlake, 1924

Recorded from: Quilici et al. 2003

Host information: Aphididae (Hemiptera) (Vayssières et al. 2001)

Aphelinus mariscusae (Risbec, 1957)

Recorded from: Risbec 1957

Host information: Aphididae (Hemiptera) and particularly *Micromyzus (Kugegania) ageni* (Polaszek and Hayat 1989)*Aphelinus varipes* (Förster, 1841)

Recorded from: Vayssières et al. 2001

Host information: Aphididae (Hemiptera) (Vayssières et al. 2001)

Genus: *Aphytis* Howard, 1900*Aphytis africanus* Quednau, 1964

Recorded from: Quilici et al. 2003

Host information: *Aonidiella aurantii* (Hemiptera, Diaspididae) (Triapitsyn and Kim 2008)*Aphytis coheni* DeBach, 1960

Recorded from: Quilici et al. 2003

Host information: *Aspidiotus nerii* (Hemiptera, Diaspididae) (Triapitsyn and Kim 2008)*Aphytis holoxanthus* DeBach, 1960

Recorded from: Quilici et al. 2003

Host information: *Chrysomphalus aonidum* (Hemiptera, Diaspididae) (Triapitsyn and Kim 2008)*Aphytis lepidosaphes* Compere, 1955

Recorded from: Quilici et al. 2003

Host information: *Lepidosaphes beckii* (Hemiptera, Diaspididae) (Triapitsyn and Kim 2008)

Aphytis lignanensis Compere, 1955

Recorded from: Quilici et al. 2003

Host information: *Aonidiella aurantii*, *Pseudaulacaspis pentagona* (Hemiptera, Diaspididae) (Luck and Podoler 1985)

Aphytis melinus DeBach, 1959

Recorded from: Quilici et al. 2003

Host information: *Aonidiella aurantii* (Hemiptera, Diaspididae) (Luck and Podoler 1985)

Genus: *Marietta* Motschulsky, 1863

Marietta leopardina Motschulsky, 1863

Recorded from: Quilici et al. 2003

Host information: Hyperparasitoid of 48 hemiptera and scales parasitic hymenoptera species (Shabaan 2003)

Subfamily: Calesinae

Genus: *Cales* Howard, 1907

Cales noacki Howard, 1907

Recorded from: Etienne 1977

Host information: *Aleurothrixus floccosus*, (Miret and Garcia-Marì 2001) *Aleurotrachelus atratus* (Borowiec et al. 2007) (Hemiptera, Aleyrodidae)

Subfamily Coccophaginae

Genus: *Coccophagus* Westwood, 1833

Coccophagus ceroplastae (Howard, 1985)

Recorded from: Quilici et al. 2003

Host information: *Coccus viridis*, *Coccus hesperidum*, *Saissetia coffeae*, *Ceroplastes* spp., *Pulvinaria psidii*, *Pulvinaria polygonata* (Hemiptera, Coccoidea), scales and mealybugs belonging to Diaspididae and Pseudococcidae (Hemiptera) have also been recorded as hosts (Hayat 1998)

Coccophagus cowperi Girault, 1917

Recorded from: Quilici et al. 2003

Host information: *Saissetia oleae* (Clausen 1956), *Saissetia coffeae* (Shabaan 2005) (Hemiptera, Coccidae)

Coccophagus rusti Compere, 1928

Recorded from: Quilici et al. 2003

Host information: *Saissetia oleae* (Hemiptera, Coccidae) (Daane et al. 1991)

Genus: *Encarsia* Förster, 1878

Encarsia acaudaleyrodis Hayat, 1976

Recorded from: Vayssières et al. 2001

Host information: *Acaudaleyrodes rachipora*, *Tetraleyrodes leguminicola*, *Bemisia tabaci* (Hemiptera, Aleyrodidae) (Ghahari et al. 2011)

Encarsia brasiliensis (Hempel, 1904)

Recorded from: Vayssières et al. 2001

Host information: *Aleyrodicus dispersus* *Bemisia tabaci*, *Lecanoideus floccissimus* *Trialeurodes vaporarium* (Homoptera, Aleyrodidae) (Magnet and Onillon 1997, Hernandez-Suarez et al. 2000)

Encarsia citrina (Craw, 1891)

Recorded from: Vayssières et al. 2001

Host information: Several Coccoidae (Hemiptera) (Viggiani 1987)

Encarsia diaspidicola (Silvestri, 1909)

Recorded from: Quilici et al. 2003

Host information: *Pseudaulacaspis pentagona* (Hemiptera, Diaspididae) (Liebregts et al. 1989)

Encarsia formosa Gahan, 1924

Recorded from: Vayssières et al. 2001

Host information: About 20 species in 8 genera of Aleyrodidae (Hemiptera) (Polaszek et al. 1992, Schauff et al. 1996)

Encarsia lounsburyi (Berlese & Paoli, 1916)

Recorded from: Quilici et al. 2003

Host information: *Parlatoria ziziphi*, *Aonidiella citrina* and *Parlatoria pergandii* (Hemiptera, Coccoidea) (Ghahari et al. 2004)

Encarsia luteola Howard, 1895

Recorded from: Vayssières et al. 2001

Host information: *Bemisia argentifolii*, *Bemisia tabaci* (Hemiptera, Aleyrodidae) (Gerling et al. 1987, Heinz and Parrella 1994)

Encarsia nigricephala Dozier, 1937

Recorded from: Vayssières et al. 2001

Host information: *Trialeurodes abulitonius*, *Trialeurodes floridensis*, *Trialeurodes vaporariorum* (Polaszek et al. 1999)

Encarsia perniciosi (Tower, 1913)

Recorded from: Quilici et al. 2003

Host information: *Quadraspidiotus perniciosus* (Baroffio 1997)

Encarsia sophia (Girault & Dodd, 1915)

Recorded from: Vayssières et al. 2001

Host information: *Bemisia tabaci*, *Trialeurodes vaporariorum* (Hemiptera, Aleyrodidae) (Vayssières et al. 2001, Luo and Liu 2011)

Encarsia tabacivora Viggiani, 1985

Recorded from: Vayssières et al. 2001

Host information: 14 species from 9 genera of Aleyrodidae (Hemiptera) (Polaszek et al. 1992, Schauff et al. 1996)

Subfamily: Eretmocerinae

Genus: *Eretmocerus* Haldeman, 1850

Eretmocerus hayati Zolnerowich & Rose, 1998

Recorded from: Vayssières et al. 2001

Host information: *Bemisia tabaci*, *Trialeurodes vaporariorum* (Hemiptera, Aleyrodidae) (Vayssières et al. 2001)

Eretmocerus mundus Mercet, 1931

Recorded from: Vayssières et al. 2001

Host information: *Bemisia argentifolii* (Hemiptera, Aleyrodidae) (Walker et al. 1999), *Bemisia tabaci*, *Trialeurodes vaporariorum* (Hemiptera, Aleyrodidae) (Vayssières et al. 2001)

Family: CHALCIDIDAE

Subfamily: Chalcidinae

Genus: *Brachymeria* Westwood, 1829

Brachymeria nephantidis Gahan, 1930

Recorded from: Ramage et al. 2011

Host information: *Nephantis serinopa* (Lepidoptera, Xyloricitidae) (Joy et al. 1978), *Corcyra cephalonica* (Lepidoptera, Pyralidae) (Kapadia 1999)

Brachymeria podagrica (Fabricius, 1787)

Recorded from: Ramage et al. 2011

Host information: Moths in several families and Calyptrate Diptera such as: *Chrysomya albiceps* (Diptera, Calliphoridae) (Marchiori et al. 2002a) and *Sarcodexia lambens* (Diptera, Sarcophagidae) (Marchiori et al. 2002b)

Subfamily: Dirhinae

Genus: *Dirhinus* Dalman, 1818

Dirhinus galesusaeformis (Risbec, 1957)

Recorded from: Risbec 1957

Host information: Unknown

Dirhinus giffardii Silvestri, 1913

Recorded from: Vayssières et al. 2001

Host information: Diptera, Tephritidae (Noyes 2013)

Dirhinus himalayanus Westwood, 1836

Recorded from: Ramage et al. 2011

Host information: *Sarcophaga bullata* (Diptera, Sarcophagidae), *Hydrotaea aeneascens*, *Stomoxys calcitrans*, and *Musca domestica* (Diptera, Muscidae) (Geden et al. 2006, Srinivasan and Amalraj 2003). *Dirhinus himalayanus* is also a parasitoid of some Tephritidae (Diptera) pupae (Grissell and Schauff 1990, Sivinsky et al. 1997)

Subfamily: Epitraninae

Genus: *Epitranus* Walker, 1834

Epitranus erythrogaster Cameron, 1888

Recorded from: Ramage et al. 2011

Host information: *Corcyra cephalonica* (Lepidoptera, Pyralidae) (Boucek 2007)

Epitranus evanioides (Westwood, 1835)

Recorded from: Ramage et al. 2011

Host information: Unknown

Subfamily: Haltichellinae**Genus: *Antrocephalus*** Kirby, 1883*Antrocephalus crassipes* Masi, 1940

Recorded from: Ramage et al. 2011

Host information: Unknown

Antrocephalus dividens (Walker, 1860)

Recorded from: Ramage et al. 2011

Host information: Unknown

Genus: *Hockeria* Walker, 1834*Hockeria fulvipes* Masi, 1917

Recorded from: Ramage et al. 2011

Host information: Unknown

Genus: *Proconura* Dodd, 1915*Proconura eublemmae* (Steffan, 1951)

Recorded from: Ramage et al. 2011

Host information: *Eublemma gayneri* (Lepidoptera, Noctuidae) (Gahukar 1981)**Family: ENCYRTIDAE****Subfamily: Encyrtinae****Genus: *Ageniaspis*** Dahlbom, 1857*Ageniaspis citricola* Logvinovskaya, 1983

Recorded from: Quilici et al. 2003

Host information: *Phyllocnistis citrella* (Lepidoptera, Gracillariidae) (Edward and Hoy 1998, Hoy and Jessey 2004)*Ageniaspis fuscicallis* (Dalman, 1920)

Recorded from: Quilici et al. 2003

Host information: *Yponomeuta malinellus* (Lepidoptera, Yponomeutidae) (Kuhlmann et al. 1998), *Acrolepia assectella* (Lepidoptera, Acrolepiidae) (Pralavorio et al. 1977)**Genus: *Aloencyrtus*** Prinsloo, 1978*Aloencyrtus obscuratus* (Waterston, 1917)

Recorded from: Quilici et al. 2003

Host information: Unknown. But *Aloencyrtus* appear to be exclusively parasitic in Coccidae (Hemiptera) (Prinsloo 2010)

Genus: *Arrhenophagus* Aurivillius, 1888*Arrhenophagus chionaspidis* Aurivillius, 1888

Recorded from: Quilici et al. 2003

Host information: *Pseudaulacaspis pentagona* (Hemiptera, Diaspididae) (Kreiter et al. 2000, Goebel 1987)**Genus: *Cheiloneurus*** Westwood, 1833*Cheiloneurus cyanonotus* Waterston, 1917

Recorded from: Risbec 1957

Host information: *Phenacoccus manihoti* (Hemiptera, Pseudococcidae) (Fabres and Matile-Ferrero 1986)**Genus: *Comperiella*** Howard, 1906*Comperiella bifasciata* Howard, 1906

Recorded from: Quilici et al. 2003

Host information: *Aonidiella citrina*, *Aonidiella aurantii*, *Aspidiotus destructor* (Hemiptera, Diaspididae) (Flanders 1944, Tandon and Srivastava 1980)**Genus: *Copidosoma*** Ratzeburg, 1844*Copidosoma koehleri* Blanchard, 1940

Recorded from: Vayssières et al. 2001

Host information: *Phtorimea operculella* (Lepidoptera, Gelechiidae) (Dalaya and Patil 1973)**Genus: *Diaphorencyrtus*** Hayat, 1981*Diaphorencyrtus aligarhensis* (Shafee, Alam & Agarwal, 1975)

Recorded from: Quilici et al. 2003

Host information: *Diaphorina citri* (Hemiptera, Psyllidae) (Prinsloo 1985, Hoy and Nguyen 1998)**Genus: *Habrolepis*** Förster, 1856*Habrolepis rouxi* Compere, 1936

Recorded from: Quilici et al. 2003

Host information: *Anonidiella aurantii* (Hemiptera, Diaspididae) (Flanders 1942)**Genus: *Homalotylus*** Mayr, 1876*Homalotylus eytelweinii* (Ratzeburg, 1844)

Recorded from: Delpoux et al. 2013

Host information: Coccinellidae (Coleoptera) from the tribes Coccinellini, Chilocorini, and Psylloborini (Kuznetsov 1975, 1987, Trjapitzin 2011)

Genus: *Metaphycus* Mercet, 1917

Metaphycus galbus Annecke, 1964

Recorded from: Quilici et al. 2003

Host information: *Protopulvinaria pyriformis* (Hemiptera, Coccidae) (Robertson and De Villiers 1986)

Genus: *Microterys* Thomson, 1876

Microterys nietneri (Motschulsky, 1859)

Recorded from: Quilici et al. 2003

Host information: Hemiptera, Coccidae especially on citrus (Triapitsyn et al. 2008)

Genus: *Psyllaephagus* Ashmead, 1900

Psyllaephagus pulvinatus (Waterston, 1922)

Recorded from: Aubert 1975

Host information: *Trioza erytreae* (Homoptera, Psyllidae) (MacDaniel and Moran 1972)

Genus: *Syrphophagus* Ashmead, 1900

Syrphophagus africanus (Gahan, 1932)

Recorded from: Vayssières et al. 2001

Host information: Hyperparasitoid of some aphid parasitoids (e.g. *Lysiphlebus testaceipes*, *Phelinus ficusae*) (Saethre et al. 2011)

Subfamily: Tetracneminae

Genus: *Coccidoxenoides* Girault, 1915

Coccidoxenoides perminutus Girault, 1915

Recorded from: Quilici et al. 2003

Host information: *Planococcus ficus* (Hemiptera, Pseudococcidae) (Walton and Pringle 2005)

Family: EULOPHIDAE

Subfamily: Entedoninae

Genus: *Chrysocharis* Förster, 1856

Chrysocharis bedius (Walker, 1842)

Recorded from: Vayssières et al. 2001

Host information: *Liriomyza* species (Diptera, Agromyzidae) (Vayssières et al. 2001)

Chrysocharis sp.

Recorded from: Vayssières et al. 2001

Host information: *Liriomyza* species (Diptera, Agromyzidae) (Vayssières et al. 2001)**Genus: *Chrysonotomyia*** Ashmead, 1904*Chrysonotomyia pulcherrima* (Kerrich, 1970)

Recorded from: Quilici et al. 2003

Host information: *Procontarinia matteiana* (Diptera, Cecidomyiidae) (Sankaran and Mjeni 1985)**Genus: *Neochrysocharis*** Kurdjumov, 1912*Neochrysocharis formosa* (Westwood, 1833)

Recorded from: Vayssières et al. 2001

Host information: *Liriomyza* species (Diptera, Agromyzidae) (Vayssières et al. 2001)*Neochrysocharis* sp.

Recorded from: Vayssières et al. 2001

Host information: *Liriomyza* species (Diptera, Agromyzidae) (Vayssières et al. 2001)**Genus: *Platocharis*** Kerrich, 1969*Platocharis coffeae* (Ferrière, 1936)

Recorded from: Kerrich 1969

Host information: Coffee leaf-miners (*Leucoptera* spp.) (Kerrich 1969)**Subfamily: Eulophinae****Genus: *Cirrospilus*** Westwood, 1832*Cirrospilus cinctiventris* Ferrière, 1936

Recorded from: Quilici et al. 2003

Host information: Leaf-miners from genus *Leucoptera* (Lepidoptera, Lyonetiidae) (Ferrière 1936)*Cirrospilus crowei* Kerrich, 1969

Recorded from: Quilici et al. 2003

Host information: *Phyllocnistis citrella* (Lepidoptera, Gracillariidae) (Schauff et al. 1998)**Genus: *Elachertus*** Spinola, 1811*Elachertus insularis* (Risbec, 1957).

Recorded from: Risbec 1957

Host information: Unknown

Genus: *Elasmus* Westwood, 1833

Elasmus masii Ferrière, 1929

Recorded from: Risbec 1957

Host information: Recorded as both, primary and secondary parasitoid of Lepidoptera (Noyes and Yu 2012)

Genus: *Euplectrus* Westwood, 1832

Euplectrus bebourensis Risbec, 1957

Recorded from: Risbec 1957

Host information: Unknown. But *Euplectrus* are parasitoid of Lepidoptera larvae (Schauff and Janzen 2001)

Genus: *Hamonia* Risbec, 1957

Hamonia reunionensis Risbec, 1957

Recorded from: Risbec 1957

Host information: Unknown

Hamonia sexdentata Risbec, 1957

Recorded from: Risbec 1957

Host information: Unknown

Hamonia sylvatica Risbec, 1957

Recorded from: Risbec 1957

Host information: Unknown

Genus: *Hemiptarsenus* Westwood, 1833

Hemiptarsenus varicornis Girault, 1913

Recorded from: Vayssières et al. 2001

Host information: *Liriomyza trifolii* and other *Liriomyza* species (Diptera, Agromyzidae) (Arakaki and Kinjo 1998, Vayssières et al. 2001)

Genus: *Notanisomorphella* Girault, 1913

Notanisomorphella borborica (Giard, 1903)

Recorded from: Quilici et al. 2003

Host information: Leaf-miners from genus *Leucoptera* (Lepidoptera, Lyonetiidae) (Ferrière 1936)

Genus: *Stenomesus* Westwood, 1833

Stenomesus belouvi (Risbec, 1957)

Recorded from: Risbec 1957

Host information: Unknown

Stenomesus masii (Risbec, 1957)

Recorded from: Risbec 1957

Host information: Unknown

Subfamily: Tetrastichinae

Genus: *Aprostocetus* Westwood, 1833

Aprostocetus ceroplastae (Girault, 1916)

Recorded from: Quilici et al. 2003

Host information: *Ceroplastes destructor* (Hemiptera, Coccidae) (Wakgari and Gilio-mee 2001)

Aprostocetus toddaliae (Risbec, 1958)

Recorded from: Quilici et al. 2003

Host information: *Ceroplastes rusci* (Hemiptera, Coccidae) (Talebi et al. 2011)

Genus: *Gyrolasia* Förster, 1856

Gyrolasia hellburgi (Risbec, 1957)

Recorded from: Risbec 1957

Host information: Unknown

Genus: *Nesolynx* Ashmead, 1905

Nesolynx phaeosoma (Waterston, 1915)

Recorded from: Quilici et al. 2003

Host information: Hyperparasitoid on *Nephopterix beharella* (Lepidoptera, Pyralidae) (Quilici et al. 2003)

Genus: *Oomyzus* Rondani, 1870

Oomyzus sokolowskii (Kurdjumov, 1912)

Recorded from: Vayssières et al. 2001

Host information: *Plutella xylostella* (Lepidoptera, Yponomeutoidea) (Vayssières et al. 2001)

Genus: *Quadrastichus* Girault, 1913

Quadrastichus erythrinae Kim, 2004

Recorded from: Kim et al. 2004

Host information: Gall-inducer on *Erythrina* (Kim et al. 2004)

Genus: *Tamaraxia* Mercet, 1924

Tamaraxia dryi (Waterston, 1922)

Recorded from: Etienne and Aubert 1980

Host information: Ectoparasitoid of Psyllid larvae (Hemiptera, Psyllidae) (Quilici et al. 2003)

Tamaraxia radiata (Waterston, 1922)

Recorded from: Aubert et al. 1979

Host information: Ectoparasitoid of Psyllid larvae (Hemiptera, Psyllidae) (Quilici et al. 2003)

Genus: *Tetrastichus* Haliday, 1844

Tetrastichus giffardianus Silvestri, 1915

Recorded from: Vayssières et al. 2001

Host information: Endoparasitoids of several Tephritid larvae (Diptera) (Clausen et al. 1965)

Tetrastichus gyrolasiaeformis Risbec, 1957

Recorded from: Risbec 1957

Host information: Unknown

Tetrastichus sesamiae Risbec, 1951

Recorded from: Risbec 1957

Host information: Parasitoid of Lepidoptera (Noyes and Yu 2012)

Familiy: EUPELMIDAE

Subfamily: Eupelminae

Genus: *Eupelmus* Dalman, 1820

Eupelmus sp.

Recorded from: Vayssières et al. 2001

Host information: Unknown. But *Eupelmus* can be extremely polyphagous (Gibson 2011)

Familiy: EURYTOMIDAE

Subfamily: Eurytominae

Genus: *Eurytoma* Illiger, 1807

Eurytoma ivohibe Risbec, 1957

Recorded from: Risbec 1957

Host information: Unknown

Eurytoma reunionensis Risbec, 1957

Recorded from: Risbec 1957

Host information: Unknown

Family: ORMYRIDAE

Genus: *Ormyrus* Westwood, 1832

Ormyrus australis Risbec, 1957

Recorded from: Risbec 1957

Host information: Unknown

Family: PTEROMALIDAE

Subfamily: Eunotinae

Genus: *Mesopeltita* Ghesquière, 1946

Mesopeltita truncatipennis (Waterston, 1917)

Recorded from: Quilici et al. 2003

Host information: *Ceroplastes* sp., *Saissetia oleae*, *Saissetia somereni* and *Saissetia* sp.
(Hemiptera, Coccidae) (Myartseva et al. 2004)

Genus: *Moranila* Cameron, 1883

Moranila californica (Howard, 1881)

Recorded from: Quilici et al. 2003

Host information: *Saissetia oleae*, *Ceroplastes floridensis* (Hemiptera: Coccidae)
(Flanders 1958, Argov et al. 1992)

Subfamily: Miscogasterinae

Genus: *Halticoptera* Spinola, 1811

Halticoptera sp.

Recorded from: Vayssières et al. 2001

Host information: *Melanagromyza phaseoli*, *Liriomyza* spp. (Diptera, Agromyzidae)
(Abul-Nasr and Assem 1968, Vayssières et al. 2001)

Subfamily: Pteromalinae**Genus: *Muscidifurax*** Girault & Sanders, 1910*Muscidifurax raptor* Girault & Sanders, 1910

Recorded from: Quilici et al. 2003

Host information: *Musca domestica*, *Stomoxys calcitrans* and other Synanthropic filth-breeding Diptera (Diptera, Muscidae) (Legner 1967, Zchori-Fein et al. 2000)*Muscidifurax uniraptor* Kogan & Legner, 1970

Recorded from: Quilici et al. 2003

Host information: *Musca domestica*, *Stomoxys calcitrans* and other Synanthropic filth-breeding Diptera (Diptera, Muscidae) (Legner 1967, Zchori-Fein et al. 2000)**Genus: *Pachyneuron*** Walker, 1833*Pachyneuron* sp.

Recorded from: Vayssières et al. 2001

Host information: Unknown. But *Pachyneuron* are mostly Hyperparasitoid of Hemiptera, Aphididae, and some Diptera (Gibson 2001)*Pachyneuron longiradius* Silvestri, 1915

Recorded from: Delvare G. unpublished determination (2013)

Host information: The identified *Dendrocerus* emerged from a specimen of *Rodolia chermesina* (Coleoptera, Coccinellidae) (Delvare 2013, unpublished data)**Genus: *Ploskana*** Boucek, 1976*Ploskana tenuis* Boucek, 1976

Recorded from: Vayssières et al. 2001

Host information: *Bactrocera cucurbitae* (Diptera, Tephritidae) (Vayssières et al. 2001)**Genus: *Pteromalus*** Swederus, 1795*Pteromalus* sp.

Recorded from: Vayssières et al. 2001

Host information: Unknown. But all species of *Pteromalus* are parasitoids of larvae and pupae of various holometabolous insects, for instance Lepidoptera, Coleoptera, gall forming Hymenoptera (Cynipidae, Tenthredinidae) and Diptera (Tephritidae) (Baur 2015)**Genus: *Spodophagus*** Delvare & Rasplus, 1994*Spodophagus lepidopterae* (Risbec, 1952)

Recorded from: Risbec 1952

Host information: *Spodoptera littoralis* (Lepidoptera, Noctuidae) (Risbec 1952, Delvare and Rasplus 1994)

Genus: *Trichomalopsis* Crawford, 1913

Trichomalopsis sp.

Recorded from: Vayssières et al. 2001

Host information: Diptera, Muscidae (Gibson and Floate 2001)

Subfamily: Spalangiinae

Genus: *Spalangia* Latreille, 1805

Spalangia endius Walker, 1839

Recorded from: Vayssières et al. 2001

Host information: *Musca domestica* (Diptera, Muscidae) (Ables and Shepard 1974), *Dacus ciliates* (Diptera, Tephritidae) (Vayssières et al. 2001)

Spalangia gemina Boucek, 1963

Recorded from: Vayssières et al. 2001

Host information: Diptera, Muscidae (Morgan et al. 1991), Tephritidae (Vayssières et al. 2001)

Spalangia seyrigi Risbec, 1952

Recorded from: Vayssières et al. 2001

Host information: *Dacus ciliatus* (Diptera, Tephritidae) (Vayssières et al. 2001)

Subfamily: Sycoecinae

Genus: *Seres* Waterston, 1919

Seres bouceki (Wiebes, 1981)

Recorded from: Wiebes 1981

Host information: *Ficus reflexa reflexa* Thunb. and *Ficus reflexa aldabrensis* (Baker) C.C. Berg (Wiebes 1981)

Subfamily: Sycoryctinae

Genus: *Apocrypta* Coquerel, 1855

Apocrypta perplexa Coquerel, 1855

Recorded from: Coquerel 1855

Host information: *Ficus mauritiana* Lam. (Moraceae) (Coquerel 1855)

Genus: *Sycoryctes* Mayr, 1885*Sycoryctes anceps* Wiebes, 1981

Recorded from: Wiebes 1981

Host information: *Ficus densifolia* Miq. (Moraceae) (Wiebes 1981)*Sycoryctes caelebs* Wiebes, 1975

Recorded from: Wiebes 1975

Host information: *Ficus densifolia* Miq. and *Ficus rubra* (Moraceae) (Wiebes 1981)*Sycoryctes comparabilis* Wiebes, 1981

Recorded from: Wiebes 1981

Host information: *Ficus densifolia* Miq. (Moraceae) (Wiebes 1981)*Sycoryctes remus* Wiebes, 1981

Recorded from: Bouček et al. 1981

Host information: *Ficus reflexa reflexa* Thunb. and *Ficus burkei* (Miq.) Miq. (Moraceae) (Bouček et al. 1981)**Genus: *Sycoscapter*** Saunders, 1883*Sycoscapter gibbus* Saunders, 1883

Recorded from: Saunders 1883

Host information: *Ficus politoria* Lam. and *Ficus lateriflora* Vahl (Moraceae) (Saunders 1883)*Sycoscapter tibialis* Wiebes, 1981

Recorded from: Wiebes 1981

Host information: *Ficus rubra* Vahl (Moraceae) (Wiebes 1981)**Genus: *Philotrypesis*** Förster, 1878*Philotrypesis cnephaea* Wiebes, 1981

Recorded from: Wiebes 1981

Host information: *Ficus reflexa reflexa* Thunb. (Moraceae) (Wiebes 1981)**Genus: *Watshamiella*** Wiebes, 1981*Watshamiella fictitia* Wiebes, 1981

Recorded from: Wiebes 1981

Host information: *Ficus rubra* Vahl (Moraceae) (Wiebes 1981)*Watshamiella lucens* Wiebes, 1981

Recorded from: Wiebes 1981

Host information: *Ficus densifolia* Miq. (Moraceae) (Wiebes 1981)

Family: SIGNIPHORIDAE**Genus: *Chartocerus*** Motschulsky, 1859*Chartocerus* sp.

Recorded from: Delvare G. unpublished determination (2013)

Host information: In 2013 *Dendrocerus wollastoni* emerged from a specimen of *Rodolia chermesina* (Coleoptera, Coccinellidae) in Reunion Island (Delvare 2013, unpublished data)**Family: TORYMIDAE****Subfamily: Megastigminae****Genus: *Megastigmus*** Dalman, 1820*Megastigmus transvaalensis* (Hussey, 1956)

Recorded from: Habeck et al. 1989

Host information: Develops on plants in the genera *Rhus* and *Schinus* (Anacardiaceae) (Hussey 1956, Habeck et al. 1989)**Family: TRICHOGRAMMATIDAE****Subfamily: Trichogrammatinae****Genus: *Trichogramma*** Westwood, 1833*Trichogramma chilonis* Ishii, 1941

Recorded from: Vayssières et al. 2001

Host information: *Plutella xylostella* (Lepidoptera, Plutellidae) (Vayssières et al. 2001)**Table 2.** List of the Chalcidoidea recorded from Reunion Island.

Family	Subfamily	Genus / Species	General host information	Recorded from
AGAONIDAE	Agaoninae	<i>Elisabethiella reflexa</i> Wiebes, 1975	<i>Ficus reflexa</i> and <i>Ficus aldabrensis</i> (Moraceae)	Wiebes 1975
		<i>Nigeriella avicola</i> Wiebes, 1975	<i>Ficus rubra</i> (Moraceae)	Wiebes 1975
		<i>Platyscapha etiennei</i> Wiebes, 1977	<i>Ficus salicifolia</i> (Moraceae)	Wiebes 1977
	Kradibiinae	<i>Ceratosolen coecus</i> (Coquerel, 1855)	<i>Ficus mauritiana</i> (Moraceae)	Coquerel 1855
		<i>Kradibia etiennei</i> Wiebes, 1990	<i>Ficus lateriflora</i> (Moraceae)	Wiebes and Gompton 1990
Sycophaginae	<i>Sycophaga explorator</i> (Coquerel, 1855)	Unknown Moraceae	Coquerel 1855	

Family	Subfamily	Genus / Species	General host information	Recorded from
APHELINIDAE	Aphelininae	<i>Aphelinus asychis</i> (Walker, 1839)	Aphididae (Hemiptera)	Vayssières et al. 2001
		<i>Aphelinus gossypii</i> Timberlake, 1924	Aphididae (Hemiptera)	Quilici et al. 2003
		<i>Aphelinus mariscusae</i> (Risbec, 1957)	Aphididae (Hemiptera)	Risbec 1957
		<i>Aphelinus varipes</i> (Förster, 1841)	Aphididae (Hemiptera)	Vayssières et al. 2001
		<i>Aphytis africanus</i> (Quednau, 1964)	<i>Aonidiella aurantii</i> (Hemiptera: Diaspididae)	Quilici et al. 2003
		<i>Aphytis coheni</i> (DeBach, 1960)	<i>Aspidiotus nerii</i> (Hemiptera: Diaspididae)	Quilici et al. 2003
		<i>Aphytis holoxanthus</i> (DeBach, 1960)	Diaspididae (Hemiptera)	Quilici et al. 2003
		<i>Aphytis lepidosaphes</i> (Compere, 1955)	<i>Lepidosaphes beckii</i> (Hemiptera: Diaspididae)	Quilici et al. 2003
		<i>Aphytis lignanensis</i> (Compere, 1955)	<i>Aonidiella aurantii</i> , <i>Pseudaulacaspis pentagona</i> (Hemiptera: Diaspididae)	Quilici et al. 2003
		<i>Aphytis melinus</i> (DeBach, 1959)	<i>Aonidiella aurantii</i> (Hemiptera: Diaspididae)	Quilici et al. 2003
		<i>Marietta leopardina</i> (Motschulsky, 1863)	Hymenoptera	Quilici et al. 2003
	Calesinae	<i>Cales noacki</i> Howard, 1907	<i>Aleurotrachelus atratus</i> , <i>Aleurothrixus floccosus</i> (Hemiptera: Aleyrodidae)	Etienne 1977
	Coccophaginae	<i>Coccophagus ceroplastae</i> (Howard, 1985)	Coccoidae, Diaspididae or Pseudococcidae (Hemiptera)	Quilici et al. 2003
		<i>Coccophagus cowperi</i> (Girault, 1917)	<i>Saissetia</i> (Hemiptera: Coccidae)	Quilici et al. 2003
		<i>Coccophagus rusti</i> (Compere, 1928)	<i>Saissetia oleae</i> (Hemiptera: Coccidae)	Quilici et al. 2003
		<i>Encarsia acaudaleyrodidis</i> Hayat, 1976	Aleyrodidae (Hemiptera)	Vayssières et al. 2001
		<i>Encarsia brasiliensis</i> (Hempel, 1904)	Aleyrodidae (Hemiptera)	Vayssières et al. 2001
		<i>Encarsia citrina</i> (Craw, 1891)	Coccoidae (Hemiptera)	Vayssières et al. 2001
		<i>Encarsia diaspidicola</i> (Silvestri, 1909)	<i>Pseudaulacaspis pentagona</i> (Hemiptera: Diaspididae)	Quilici et al. 2003
		<i>Encarsia formosa</i> Gahan, 1924	Aleyrodidae (Hemiptera)	Vayssières et al. 2001
		<i>Encarsia lounsburyi</i> (Berlese & Paoli, 1916)	Coccoidae (Hemiptera)	Quilici et al. 2003
		<i>Encarsia luteola</i> Howard, 1895	<i>Bemisia</i> (Hemiptera: Aleyrodidae)	Vayssières et al. 2001
<i>Encarsia nigricephala</i> Dozier, 1937		<i>Trialeurodes</i> (Hemiptera: Aleyrodidae)	Vayssières et al. 2001	
<i>Encarsia perniciosi</i> (Tower, 1913)		<i>Quadraspidotus perniciosus</i>	Quilici et al. 2003	
<i>Encarsia sophia</i> (Girault & Dodd, 1915)		<i>Bemisia tabaci</i> , <i>Trialeurodes vaporariorum</i> (Hemiptera: Aleyrodidae)	Vayssières et al. 2001	

Family	Subfamily	Genus / Species	General host information	Recorded from
APHELINIDAE	Coccophaginae	<i>Encarsia tabacivora</i> Viggiani, 1985	Aleyrodidae (Hemiptera)	Vayssières et al. 2001
	Eretmocerinae	<i>Eretmocerus hayati</i> (Zolnerowich & Rose, 1998)	<i>Bemisia tabaci</i> , <i>Trialeurodes vaporariorum</i> (Hemiptera: Aleyrodidae)	Vayssières et al. 2001
<i>Eretmocerus mundus</i> (Mercet, 1931)		<i>Bemisia argentifolii</i> , <i>Bemisia tabaci</i> , <i>Trialeurodes vaporariorum</i> (Hemiptera: Aleyrodidae)	Vayssières et al. 2001	
CHALCIDIDAE	Chalcidinae	<i>Brachymeria nephantidis</i> Gahan, 1930	<i>Nephantis serinopa</i> (Lepidoptera: Autostichidae), <i>Corcyra cephalonica</i> (Lepidoptera: Pyralidae)	Ramage et al. 2011
		<i>Brachymeria podagrica</i> (Fabricius, 1787)	Lepidoptera and Diptera	Ramage et al. 2011
		<i>Dirhinus galesusaeformis</i> (Risbec, 1957)	Unknown	Risbec 1957
		<i>Dirhinus giffardii</i> (Silvestri, 1913)	Tephritidae (Diptera)	Vayssières et al. 2001
		<i>Dirhinus himalayanus</i> Westwood, 1836	Some Diptera in: Tephritidae, Muscidae and Sarcophagidae	Ramage et al. 2011
	Epitraninae	<i>Epitranus erythrogaster</i> Cameron, 1888	<i>Corcyra cephalonica</i> (Lepidoptera: Pyralidae)	Ramage et al. 2011
		<i>Epitranus evanioides</i> (Westwood, 1835)	Unknown	Ramage et al. 2011
	Haltichellinae	<i>Anthrocephalus crassipes</i> (Masi, 1940)	Unknown	Ramage et al. 2011
		<i>Anthrocephalus dividens</i> (Walker, 1860)	Unknown	Ramage et al. 2011
		<i>Hockeria fluvipes</i> Masi, 1917	Unknown	Ramage et al. 2011
<i>Proconura eublemae</i> (Steffan, 1951)		<i>Eublema gayneri</i> (Lepidoptera: Erebidae)	Ramage et al. 2011	
ENCYRTIDAE	Encyrtinae	<i>Ageniaspis citricola</i> Logvinovskaya, 1983	<i>Phyllocnistis citrella</i> (Lepidoptera: Gracillariidae)	Quilici et al. 2003
		<i>Ageniaspis fuscicallis</i> (Dalman, 1920)	<i>Yponomeuta malinellus</i> (Lepidoptera: Yponomeutidae), <i>Acrolepia assectella</i> (Lepidoptera: Acrolepidae)	Quilici et al. 2003
		<i>Aloencyrtus obscuratus</i> (Waterston, 1917)	Coccidae (Hemiptera)	Quilici et al. 2003
		<i>Arrhenophagus chionaspidis</i> (Aurivillius, 1888)	<i>Pseudaulacaspis pentagona</i> (Hemiptera: Diaspididae)	Quilici et al. 2003
		<i>Cheiloneurus cyanonotus</i> (Waterston, 1917)	<i>Phenacoccus manihoti</i> (Hemiptera: Pseudococcidae)	Risbec 1957
		<i>Comperiella bifasciata</i> (Howard, 1906)	Diaspididae (Hemiptera)	Quilici et al. 2003
		<i>Copidosoma koelheri</i> (Blanchard, 1940)	<i>Phthorimea operculella</i>	Vayssières et al. 2001
		<i>Diaphorencyrtus aligarhensis</i> (Shafee, Alam & Agarwal, 1975)	<i>Diaphorina citri</i> (Hemiptera: Psyllidae)	Quilici et al. 2003

Family	Subfamily	Genus / Species	General host information	Recorded from
ENCYRTIDAE	Encyrtinae	<i>Habrolepsis rouxi</i> (Compere, 1936)	<i>Aonidiella aurantii</i> (Hemiptera, Diaspididae)	Quilici et al. 2003
		<i>Homalotylus eytelweini</i> (Ratzeburg, 1844)	Coccinellidae (Coleoptera)	Delpoux et al. 2013
		<i>Metaphycus galbus</i> (Annecke, 1964)	<i>Protospulvinaria pyriformis</i> (Hemiptera, Coccidae)	Quilici et al. 2003
		<i>Microterys nietneri</i> (Motschulsky, 1859)	Coccidae (Hemiptera)	Quilici et al. 2003
		<i>Psyllaephagus pulvinatus</i> (Waterson, 1922)	Psyllidae (Hemiptera)	Aubert 1975
		<i>Syrphophagus africanus</i> (Gahan, 1932)	Hyperparasitoid of aphid parasitoid	Vayssières et al. 2001
	Tetracneminae	<i>Coccidoxenoides perminutus</i> (Girault, 1915)	<i>Planococcus ficus</i> (Hemiptera: Pseudococcidae)	Quilici et al. 2003
EULOPHIDAE	Entedoninae	<i>Chrysocharis bedius</i> (Walker, 1842)	<i>Liriomyza</i> spp. (Diptera: Agromyzidae)	Vayssières et al. 2001
		<i>Chrysocharis</i> sp.	<i>Liriomyza</i> spp. (Diptera: Agromyzidae)	Vayssières et al. 2001
		<i>Chrysonotomyia pulcherrima</i> (Kerrich, 1970)	<i>Procontarinia matteiana</i> (Diptera: Cecidomyiidae)	Quilici et al. 2003
		<i>Neochrysocharis formosus</i> (Westwood, 1833)	<i>Liriomyza</i> spp. (Diptera: Agromyzidae)	Vayssières et al. 2001
		<i>Neochrysocharis</i> sp.	<i>Liriomyza</i> spp. (Diptera: Agromyzidae)	Vayssières et al. 2001
		<i>Platocharis coffeae</i> (Ferrière, 1936)	<i>Leucoptera</i> spp. (Lepidoptera: Lyonetiidae)	Ferrière 1936
	Eulophinae	<i>Cirrospilus cinctiventris</i> (Ferrière, 1936)	<i>Leucoptera</i> spp. (Lepidoptera: Lyonetiidae)	Quilici et al. 2003
		<i>Cirrospilus crowei</i> (Kerrich, 1969)	<i>Phyllocnistis citrella</i> (Lepidoptera: Gracillariidae)	Quilici et al. 2003
		<i>Elachertus insularis</i> (Risbec, 1957)	Unknown	Risbec 1957
		<i>Elasmus masii</i> Ferrière, 1929	(Hyper)Parasitoid of Lepidoptera	Risbec 1957
		<i>Euplectrus bebourensis</i> Risbec, 1957	Lepidoptera	Risbec 1957
		<i>Hamonium reunionensis</i> (Risbec, 1957)	Unknown	Risbec 1957
		<i>Hamonium sexdentata</i> (Risbec, 1957)	Unknown	Risbec 1957
		<i>Hamonium sylvatica</i> (Risbec, 1957)	Unknown	Risbec 1957
		<i>Hemiptarsenus varicornis</i> Girault, 1913	<i>Liriomyza</i> spp. (Diptera: Agromyzidae)	Vayssières et al. 2001
		<i>Notanisomorphella borborica</i> (Giard, 1903)	<i>Leucoptera</i> spp. (Lepidoptera: Lyonetiidae)	Quilici et al. 2003
		<i>Stenomiesius belouvi</i> (Risbec, 1957)	Unknown	Risbec 1957
		<i>Stenomiesius masii</i> (Risbec, 1957)	Unknown	Risbec 1957
	Tetrastichinae	<i>Aprostocetus ceroplastae</i> (Girault, 1916)	<i>Ceroplastes destructor</i> (Hemiptera, Coccidae)	Quilici et al. 2003
		<i>Aprostocetus toddaliae</i> (Risbec, 1958)	<i>Ceroplastes rusci</i> (Hemiptera, Coccidae)	Quilici et al. 2003
<i>Gyrolasia hellburgi</i> (Risbec, 1957)		Unknown	Risbec 1957	
<i>Nesolynx phaeosoma</i> (Waterston, 1915)		<i>Epischmia beharella</i> (Lepidoptera: Pyralidae)	Quilici et al. 2003	

Family	Subfamily	Genus / Species	General host information	Recorded from
EULOPHIDAE	Tetrastichinae	<i>Oomyzus sokolowskii</i> (Kurdjumov, 1912)	<i>Plutella xylostella</i> (Lepidoptera: Plutellidae)	Vayssières et al. 2001
		<i>Quadrastichus erythrinae</i> (Kim, 2004)	<i>Erythrina</i> (Fabales: Fabaceae)	Kim et al. 2004
		<i>Tamaraxia dryi</i> (Waterston, 1922)	Psyllidae (Hemiptera)	Etienne and Aubert 1980
		<i>Tamaraxia radiata</i> (Waterston, 1922)	Psyllidae (Hemiptera)	Aubert et al. 1979
		<i>Tetrastichus giffardianus</i> (Silvestri, 1915)	Tephritidae (Diptera)	Vayssières et al. 2001
		<i>Tetrastichus gyrolasiaeformis</i> (Risbec, 1957)	Unknown	Risbec 1957
		<i>Tetrastichus sesamiae</i> (Risbec, 1951)	Lepidoptera	Risbec 1957
EUPELMIDAE	Eupelminae	<i>Eupelmus</i> sp.	Extremely polyphagous	Vayssières et al. 2001
EURYTOMIDAE	Eurytominae	<i>Eurytoma ivohibe</i> (Risbec, 1957)	Unknown	Risbec 1957
		<i>Eurytoma reunionensis</i> (Risbec, 1957)	Unknown	Risbec 1957
ORMYRIDAE		<i>Ormyrus australis</i> Westwood, 1832	Unknown	Risbec 1957
PTEROMALIDAE	Eunotinae	<i>Mesopeltita truncatipennis</i> (Waterston, 1917)	Coccidae (Hemiptera)	Quilici et al. 2003
		<i>Moranila californica</i> (Howard, 1881)	<i>Saissetia oleae</i> , <i>Ceroplastes floridensis</i> (Hemiptera, Coccidae)	Quilici et al. 2003
	Miscogasterinae	<i>Halticoptera</i> sp.	<i>Melanagromyza phaseoli</i> , <i>Liriomyza</i> spp. (Diptera: Agromyzidae)	Vayssières et al. 2001
	Pteromalinae	<i>Muscidifurax raptor</i> (Girault & Sanders, 1910)	Muscidae (Diptera)	Quilici et al. 2003
		<i>Muscidifurax unirraptor</i> (Kogan & Legner, 1970)	Muscidae (Diptera)	Quilici et al. 2003
		<i>Pachyneuron</i> sp.	Extremely polyphagous	Vayssières et al. 2001
		<i>Pachyneuron longiradius</i> (Silvestri, 1915)	Coccinellidae (Coleoptera)	Delvare unpublished
<i>Ploskana tenuis</i> (Boucek, 1976)		Tephritidae (Diptera)	Vayssières et al. 2001	

Family	Subfamily	Genus / Species	General host information	Recorded from
PTEROMALIDAE	Pteromalinae	<i>Pteromalus</i> sp.	Extremely polyphagous	Vayssières et al. 2001
		<i>Spodophagus lepidopterae</i> (Risbec, 1952)	Noctuidae (Lepidoptera)	van Noort 2013
		<i>Trichomalopsis</i> sp.	Muscidae (Diptera)	Vayssières et al. 2001
	Spalanginae	<i>Spalangia endius</i> (Walker, 1839)	<i>Musca domestica</i> (Diptera: Muscidae), <i>Dacus ciliatus</i> (Diptera: Tephritidae)	Vayssières et al. 2001
		<i>Spalangia gemina</i> Boucek, 1963	Muscidae, Tephritidae (Diptera)	Vayssières et al. 2001
		<i>Spalangia seyrigi</i> (Risbec, 1952)	<i>Dacus ciliatus</i> (Diptera: Tephritidae)	Vayssières et al. 2001
	Sycoecinae	<i>Seres bouceki</i> (Wiebes, 1981)	<i>Ficus reflexa reflexa</i> (Moraceae)	Wiebes 1981
	Sycoryctinae	<i>Apocrypta perplexa</i> Coquerel, 1855	<i>Ficus mauritiana</i> (Moraceae)	Coquerel 1855
		<i>Sycoryctes anceps</i> Wiebes, 1981	<i>Ficus densifolia</i> (Moraceae)	Wiebes 1981
		<i>Sycoryctes caelebs</i> Wiebes, 1975	<i>Ficus densifolia</i> (Moraceae)	Wiebes 1975
		<i>Sycoryctes comparabilis</i> Wiebes, 1981	<i>Ficus densifolia</i> (Moraceae)	Wiebes 1981
		<i>Sycoryctes remus</i> Wiebes, 1981	<i>Ficus reflexa reflexa</i> (Moraceae)	Bouček et al. 1981
		<i>Sycoscapter gibbus</i> Saunders, 1883	<i>Ficus politoria</i> and <i>Ficus lateriflora</i> (Moraceae)	Saunders 1883
		<i>Sycoscapter tibialis</i> Wiebes, 1981	<i>Ficus rubra</i> (Moraceae)	Wiebes 1981
		<i>Philotrypesis cnephaea</i> Wiebes, 1981	<i>Ficus reflexa reflexa</i> (Moraceae)	Wiebes 1981
<i>Watshamiella fictitia</i> Wiebes, 1981		<i>Ficus rubra</i> (Moraceae)	Wiebes 1981	
<i>Watshamiella lucens</i> Wiebes, 1981		<i>Ficus densifolia</i> (Moraceae)	Wiebes 1981	
SIGNIPHORIDAE	-	<i>Chartocerus</i> sp.	Coccinellidae (Coleoptera)	Delvare unpublished
TORYMIDAE	Megastigminae	<i>Megastigmus transvaalensis</i> (Hussey, 1956)	Anacardiaceae (Sapindales)	Habeck et al. 1989
TRICHOGRAMMATIDAE	Trichogrammatinae	<i>Trichogramma chilonis</i> (Ishii, 1941)	<i>Plutella xylostella</i> (Lepidoptera: Plutellidae)	Vayssières et al. 2001

Superfamily: CYNIPOIDEA**Family: FIGITIDAE****Subfamily: Charipinae****Genus: *Phaenoglyphis*** Förster, 1869*Phaenoglyphis villosa* (Hartig, 1841)

Recorded from: Evenhuis and Barbotin 1977

Host information: *Aphis nerii* (Hemiptera, Aphididae) (Evenhuis and Barbotin 1977), Hyperparasitoid of Aphididae (Hemiptera) via Aphidiinae (Hymenoptera, Braconidae) (Pujade-villar et al. 2007)**Subfamily: Eucoilinae****Genus: *Aganaspis*** Lin, 1987*Aganaspis daci* (Weld, 1951)

Recorded from: Etienne 1975

Host information: *Bactrocera dorsalis* (Clausen et al. 1965), *Anastrepha suspensa* (Nuñez-Bueno 1982), *Ceratitis capitata* and *Ceratitis rosa* (Diptera, Tephritidae) (Etienne 1975)**Genus: *Leptopilina*** Förster, 1869*Leptopilina freyae* Allemand & Nordlander, 2003

Recorded from: Allemand et al. 2003

Host information: *Drosophila* ssp. (Diptera, Drosophilidae) (Allemand et al. 2003)*Leptopilina guineanensis* Allemand & Nordlander, 2003

Recorded from: Allemand et al. 2003

Host information: *Drosophila* ssp. (Diptera, Drosophilidae) (Allemand et al. 2003)*Leptopilina orientalis* Allemand & Nordlander, 2003

Recorded from: Allemand et al. 2003

Host information: *Drosophila* ssp. (Diptera, Drosophilidae) (Allemand et al. 2003)*Leptopilina victoriae* Nordlander, 1980

Recorded from: Allemand et al. 2003

Host information: *Drosophila* ssp. (Diptera, Drosophilidae) (Allemand et al. 2003)**Genus: *Rhoptromeris*** Förster, 1869*Rhoptromeris bupalus* Quinlan, 1986

Recorded from: Quinlan 1986

Host information: Parasitoid of Chloropidae (Diptera) on grass and fungi (van Noort et al. 2015)

Rhoptromeris crito Quinlan, 1986

Recorded from: Quinlan 1986, Madl and van Achterberg 2014

Host information: Parasitoid of Chloropidae (Diptera) on grass and fungi (van Noort et al. 2015)

Superfamily: CHRYSIDOIDEA

Family: BETHYLIDAE

Subfamily: Bethylinae

Genus: *Goniozus* Förster, 1856

Goniozus indicus (Ashmead, 1903)

Recorded from: Polaszek et al. 1994

Host information: *Maliarpha separatiella* (Lepidoptera, Pyralidae), *Cryptophlebia leucotreta*, *Cryptophlebia peltastica*, *Cryptophlebia semilunana*, *Eccopsis praecedens*, *Strepsicrates rhothia* (Lepidoptera, Olethreutidae) (Azevedo et al. 2010)

Family: CRHYSIDIDAE

Subfamily: Amiseginae

Genus: *Senesega* Kimsey, 2005

Senesega attiei Kimsey, 2005

Recorded from: Kimsey 2005

Host information: Probably parasitoid of Phasmatodea (Kimsey 2005)

Subfamily: Chrysidinae

Genus: *Chrysis* Linnaeus, 1761

Chrysis gheudei Guérin-Ménéville, 1842

Recorded from: Azevedo et al. 2010. The record from Reunion is probably a misidentification of *Chrysis lincea* Fabricius 1775 (Azevedo et al. 2010)

Host information: *Delta reginum* (Hymenoptera, Vespidae, Eumeninae) and *Sceliphron fuscum* (Hymenoptera, Sphecidae) (Azevedo et al. 2010)

Genus: *Praestochrysis* Linsenmaier, 1959

Praestochrysis lusca (Fabricius, 1804)

Recorded from: Bordage 1912

Host information: *Chalybion madecassum*, *Sceliphron fuscum* (Hymenoptera, Sphecidae) (Azevedo et al. 2010)

Family: DRYINIDAE**Subfamily: Anteoninae**

Genus: *Anteon* Jurine, 1807

Anteon reunionense Olmi, 1987

Recorded from: Olmi 1987

Host information: Unknown. But Dryinidae (including *Anteon*) are parasitoids of Homoptera auchenorrhyncha and commonly called “Cicada wasps” (Azevedo et al. 2010)

Subfamily: Gonatopodinae

Genus: *Gonatopus* Ljungh, 1810

Gonatopus similis Brues, 1906

Recorded from: Olmi 1987a

Host information: *Dicranotropis muiri*, *Perkinsiella saccharicida* (Hemiptera, Delphacidae) (Azevedo et al. 2010)

Superfamily: PLATYGASTROIDEA**Family: PLATYGASTRIDAE****Subfamily: Platygastrinae**

Genus: *Leptacis* Förster, 1856

Leptacis risbeci Masner, 1960

Recorded from: Masner 1960, Madl 2016

Host information: Parasitoids of Cecidomyiidae (Diptera) (Buhl 2011)

Genus: *Synopeas* Förster, 1856

Synopeas pauliani (Risbec, 1957)

Recorded from: Risbec 1957, Masner 1960

Host information: Parasitoids of Cecidomyiidae (Diptera) (Buhl 2011)

Family: SCELIONIDAE**Subfamily: Scelioninae**

Genus: *Macroteleia* Westwood, 1935

Macroteleia insularis (Risbec, 1957)

Recorded from: Risbec 1957

Host information: Unknown

Genus: *Styloteleia* Kieffer, 1916

Styloteleia gibbosa Risbec, 1957

Recorded from: Risbec 1957

Host information: Unknown

Subfamily: Telenominae

Genus: *Telenomus* Haliday, 1833

Telenomus busseolae Gahan, 1922

Recorded from: Rao and Nagaraja 1969

Host information: Parasitizes eggs of *Busseola fusca*, *Sesamia calamistis* and *Sesamia cretica* (Lepidoptera, Pyralidae) (Samin and Asgari 2012)

Superfamily: DIAPRIOIDEA

Family: DIAPRIIDAE

Subfamily: Diapriinae

Genus: *Trichopria* Ashmead, 1893

Trichopria belouvi (Risbec, 1957)

Recorded from: Risbec 1957, Notton 2004, Madl 2015

Host information: Unknown. But *Trichopria* are parasitoids of Tachinidae (Diptera) (Rajmohana 2006) and Tephritidae (Diptera) (Vayssières et al. 2001)

Trichopria inconspicua (Kieffer, 1905)

Recorded from: Huggert 1977, Madl 2015

Host information: Unknown. But *Trichopria* are parasitoids of Tachinidae (Diptera) (Rajmohana 2006) and Tephritidae (Diptera) (Vayssières et al. 2001)

Trichopria jeanneli Notton, 2004

Recorded from: Risbec 1957, Madl 2015

Host information: Unknown. But *Trichopria* are parasitoids of Tachinidae (Diptera) (Rajmohana 2006) and Tephritidae (Diptera) (Vayssières et al. 2001)

Trichopria scotti (Kieffer, 1912)

Recorded from: Risbec 1957

Host information: Unknown. But *Trichopria* are parasitoids of Tachinidae (Diptera) (Rajmohana 2006) and Tephritidae (Diptera) (Vayssières et al. 2001)

Trichopria variabilis (Risbec, 1950)

Recorded from: Risbec 1957, Madl 2015

Host information: Unknown. But *Trichopria* are parasitoids of Tachinidae (Diptera) (Rajmohana 2006) and Tephritidae (Diptera) (Vayssières et al. 2001)

Superfamily: CERAPHRONOIDEA**Family: CERAPHRONIDAE****Genus: *Aphanogmus*** Thomson, 1858*Aphanogmus fijiensis* (Ferrière, 1933)

Recorded from: Polaszek and LaSalle 1995, Madl 2015

Host information: *Cotesia sesamiae* (Hymenoptera, Braconidae) (Polaszek and LaSalle 1995)

Genus: *Ceraphron* Jurine, 1807*Ceraphron amhimelas* Dessart, 1989

Recorded from: Dessart 1989, Madl 2015

Host information: Hemiptera, Diaspididae (Dessart 1989)

Family: MEGASPILIDAE**Subfamily: Megaspilinae****Genus: *Dendrocerus*** Ratzeburg, 1852*Dendrocerus wollastoni* (Dodd, 1920)

Recorded from: Dessart 1984, Madl 2015

Host information: Neuroptera, Chrysopidae (Dessart 1984). In 2013 *Dendrocerus wollastoni* emerged from a specimen of *Rodolia chermesina* (Coleoptera, Coccinellidae) in Reunion Island (Delvare 2013, unpublished data)

Dendrocerus sp.

Recorded from: Delvare G. unpublished determination (2013)

Host information: Cf. *Dendrocerus wollastoni*.

Superfamily: EVANIOIDEA**Family: EVANIIDAE****Genus: *Evania*** Fabricius, 1775*Evania appendigaster* (Linnaeus, 1758)

Recorded from: Madl and Ganeshan 2008

Host information: Oviposits within the oothecae of *Periplaneta americana* and possibly that of *Periplaneta australasiae* and *Rhyparobia maderae* (Diptera, Blattidae) (Madl and Ganeshan 2008)**Genus: *Prosevania*** Kieffer, 1911*Prosevania erythrosoma* (Schletterer, 1886)

Recorded from: Recorded from Rodrigues and Mauritius, but not yet from Reunion Island (Madl and Ganeshan 2008)

Host information: Oviposits within the oothecae of *Blatta orientalis* (Diptera, Blattidae) (Madl and Ganeshan 2008)**Table 3.** List of the Cynipoidea, Chrysoidea, Platygastroidea, Diaprioidea, Ceraphronoidea and Evanioidea recorded from Reunion Island.

Superfamily	Family	Subfamily	Genus / Species	General host information	Recorded from
CYNIPOIDEA	FIGITIDAE	Eucoilinae	<i>Aganaspis daci</i> (Weld, 1951)	Tephritidae (Diptera)	Etienne 1975
			<i>Leptopilina freyae</i> Allemand & Nordlander, 2003	<i>Drosophila</i> ssp.	Allemand et al. 2003
			<i>Leptopilina guineanensis</i> Allemand & Nordlander, 2003	<i>Drosophila</i> ssp.	Allemand et al. 2003
			<i>Leptopilina orientalis</i> Allemand & Nordlander, 2003	<i>Drosophila</i> ssp.	Allemand et al. 2003
			<i>Leptopilina victoriae</i> Nordlander, 1980	<i>Drosophila</i> ssp.	Allemand et al. 2003
			<i>Rhoptromeris bupalus</i> Quinlan, 1986	Chloropidae (Diptera)	Quinlan 1986
			<i>Rhoptromeris crito</i> Quinlan, 1986	Chloropidae (Diptera)	Quinlan 1986; Madl and Achterberg 2014
CHRYSIDOIDEA	BETHYLIDAE	Bethylinae	<i>Goniozus indicus</i> (Ashmead, 1903)	Pyralidae, Olethreutidae (Lepidoptera)	Polaszek et al. 1994
	CHRYSIDIDAE	Amiseginae	<i>Senesega attiei</i> (Kimsey, 2005)	Phasmatodea	Kimsey 2005
		Chrysidinae	<i>Chrysis gbeudei</i> [1] Guérin-Méneville, 1842	Vespidae and Sphecidae (Hymenoptera)	Azevedo et al. 2010

Superfamily	Family	Subfamily	Genus / Species	General host information	Recorded from
CHRYSIDOIDEA	CHRYSIDIDAE	Chrysidinae	<i>Praestochrysis lusca</i> (Fabricius, 1804)	<i>Chalybion madecassum</i>	Bordage 1912
				<i>Sceliphron fuscum</i> (Hymenoptera: Apoidea: Sphecidae)	
	DRYINIDAE	Anteoninae	<i>Anteon reunionense</i> (Olm, 1987)	Cicadellidae (Hemiptera)	Olm, 1987
Gonatopodinae		<i>Gonatopus similis</i> Brues, 1906	<i>Dicranotropis muiri</i> , <i>Perkinsiella saccharicida</i> (Hemiptera: Delphacidae)	Olm, 1987a	
PLATYGASTROIDEA	PLATYGASTRIDAE	Platygastrinae	<i>Leptacis risbeci</i> (Masner, 1960)	Cecidomyiidae (Diptera)	van Noort 2013
			<i>Synopeas pauliani</i> (Risbec, 1957)	Cecidomyiidae (Diptera)	Risbec 1957
	SCELIONIDAE	Scelioninae	<i>Macroteleia insularis</i> (Risbec, 1957)	Unknown	Risbec 1957
			<i>Syloteleia gibbosa</i> (Risbec, 1957)	Unknown	Risbec 1957
		Telenominae	<i>Telenomus busseolae</i> Gahan, 1922	Pyalidae (Lepidoptera)	Rao and Nagaraja 1969
DIAPRIOIDEA	DIAPRIIDAE	Diapriinae	<i>Trichopria belowi</i> (Risbec, 1957)	Tachinidae, Tephritidae (Diptera)	Risbec 1957; Notton 2004; Madl 2015
			<i>Trichopria inconspicua</i> (Kieffer, 1905)	Tachinidae, Tephritidae (Diptera)	Huggert 1977; Madl 2015
			<i>Trichopria jeanneli</i> Notton, 2004	Tachinidae, Tephritidae (Diptera)	Risbec 1957; Madl 2015
			<i>Trichopria scotti</i> (Kieffer, 1912)	Tachinidae, Tephritidae (Diptera)	Risbec 1957
			<i>Trichopria variabilis</i> (Risbec, 1950)	Tachinidae, Tephritidae (Diptera)	Risbec 1957
CERAPHRONOIDEA	CERAPHRONIDAE	-	<i>Aphanogmus fijensis</i> (Ferrière, 1933)	<i>Cotesia sesamiae</i> (Braconidae)	Polaszek and LaSalle 1995; Madl 2015
			<i>Ceraphron amphimelas</i> (Dessart 1989)	Hemiptera: Diaspididae	Dessart 1984; Madl 2015
	MEGASPILIDAE	-	<i>Dendrocerus wollastoni</i> (Dodd, 1920)	Coccinellidae (Coleoptera)	Delvare unpublished
			<i>Dendrocerus</i> sp.	Coccinellidae (Coleoptera)	Delvare unpublished
EVANIOIDEA	EVANIIDAE	-	<i>Evania appengaster</i> (Linnaeus, 1758)	Blattidae (Blattodea)	Madl and Ganeshan 2008
			<i>Prosevania erythrosoma</i> [2] (Schletterer, 1886)	<i>Blatta orientalis</i> (Blattodea: Blattidae)	Madl and Ganeshan 2008

[1] Probably a misidentification of *Chrysis lincea* (Azevedo et al. 2010)

[2] Recorded from Rodrigues and Mauritius, not (yet) from Reunion Island

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