

**CHALCIDOID PARASITES AND THEIR HOST ASSOCIATIONS IN  
GUANGDONG, CHINA (PARASITIC HYMENOPTERA)**

REN HUI

Guangdong Entomological Institute, Guangzhou, China

A list of Chalcidoid (Parasitic Hymenoptera) parasites associated with various economic hosts in Guangdong Province in China is given

Guangdong Province has a subtropical climate. Because there are abundant sources of natural enemies for the purpose of protecting the environment from insecticidal pollution, our Institute encourages biological control. Since 1976, entomologists have been concerned with biological control of pests of rice, sugarcane and of citrus, and since 1984, research has been conducted on natural enemies of pests of orchard trees and garden plants. Many previously unknown natural enemies have been reared from these pests.

A preliminary list of 78 species of parasitic Chalcidoidea reared from pest insects is presented. The majority are parasites of scale insects.

Parasite

Host

Family Aphelinidae

*Aphytis chrysomphali* (Mercet)

*Aonidiella aurantii* (Maskell)

*Aphytis gordonii* DeBach & Rosen

*Chrysomphalus ficus* (Ashmead)

*Aphytis hispanicus* (Mercet)

*Unaspis citri* (Comstock)

*Aphytis holoxanthus* DeBach

*Parlatoria pergandii* Comstock

*Aphytis lepidosaphes* Compere

*Aonidiella aurantii* (Maskell)

*Aphytis lignanensis* Compere

*Chrysomphalus ficus* (Ashmead)

*Lepidosaphes beckii* (Newman)

*Aonidiella aurantii* (Maskell)

*Chrysomphalus ficus* (Ashmead)

*Unaspis citri* (Comstock)

*Aphytis mazalae* DeBach & Rosen

*Lepidosaphes gloverii* (Packard)

*Parlatoria pergandii* Comstock

*Aphytis melinus* DeBach

*Aonidiella aurantii* (Maskell)

*Parlatoria pergandii* Comstock

*Archenomus calvus* Viggiani & Ren

*Pseudaulacaspis pentagona* (Targ.)

*Coccobius flavicornis* (Compere & Annecke)

Diaspidid

*Coccobius fulvus* (Compere & Annecke)

*Aulacaspis crawii* (Cockerell)

*Coccophagus ceroplastae* (Howard)

*Coccus hesperidum* Linnaeus

*Ceroplastes* sp.

*Coccophagus hawaiiensis* Timberlake  
*Coccophagus japonicus* Compere

*Coccophagus silvestrii* Compere

*Coccophagus yoshidae* Nakayama

*Encarsia aurantii* (Howard)

*Encarsia citrina* (Crawford)

*Encarsia inquirenda* (Silvestri)

*Encarsia lahorensis* (Howard)

*Encarsia lounsburyi* (Berlese)

*Encarsia lutea* Masi

*Encarsia smithi* Silvestri

*Eretmocerus orientalis* Silvestri

*Marietta carnesi* (Howard)

*Pteropterix chinensis* (Howard)

*Pteropterix smithi* (Compere)

*Coccus hesperidum* Linnaeus

*Coccus hesperidum* Linnaeus

*Ceroplastes rubens* Maskell

*Coccus hesperidum* Linnaeus

*Coccus hesperidum* Linnaeus

*Ceroplastes rubens* Maskell

*Aonidiella aurantii* (Maskell)

*Aonidiella aurantii* (Maskell)

*Parlatoria pergandii* Comstock

*Parlatoria pergandii* Comstock

*Unaspis citri* (Comstock)

*Dialeurodes citri* (Ashmead)

*Hemiberlesia* sp.

*Dialeurodes citri* (Ashmead)

*Aleurocanthus spiniferus* (Quaint.)

*Aleurocanthus spiniferus* (Quaint.)

*Parlatoria ziziphi* Lucas

*Aonidiella aurantii* (Maskell)

*Aonidiella aurantii* (Maskell)

## Encyrtidae

*Anagyrus dactylopii* (Howard)

*Anagyrus* sp.

*Anicetus ceroplasti* Ishii

*Anicetus chinensis* Girault

*Anicetus ohgushii* Tachikawa

*Aphidencyrtus aphidivorus* (Mayr)

*Adelencyrtus bifasciatus* Ishii

*Arrhenophagus chionaspidis* Aurivillius

*Cerchysiella* sp.

*Cheiloneurus* sp.

*Coccidencyrtus exiguus* Noyes & Ren

*Comperiella bifasciata* Howard

*Comperiella unifasciata* Ishii

*Encyrtus lecanicorum* (Mayr)

*Epitetracnemus comis* Noyes & Ren

*Homalotylus flaminus* Dalman

*Metaphycus* sp.

*Microterys ditaeniatus* Huang

*Microterys flavus* (Howard)

*Ooencyrtus malayensis* Ferriere

*Ooencyrtus* sp.

*Ooencyrtus papilionis* Ashmead

*Nipaecoccus vastator* (Maskell)

*Ceroplastes japonicus* Green

*Ceroplastes ceriferus* Anderson

*Ceroplastes rubens* Maskell

Aphid

Diaspidid

*Aulacaspis crawii* Cockerell

*Pseudaulacaspis cockerelli* (Cooley)

*Saissetia nigra* (Niether)

*Parainsulaspis laterochitinoza* Green

*Chrysomphalus ficus* (Ashmead)

*Aonidiella aurantii* (Maskell)

*Aonidiella aurantii* (Maskell)

*Coccus hesperidum* Linnaeus

*Pseudaulacaspis pentagona* (Targ.)

*Coccinella* sp.

*Aleurocanthus spiniferus* (Quaint.)

*Coccus hesperidum* Linnaeus

*Pulvinaria polygonata* Cockerell

*Cephanodes hyalis* Linnaeus

*Tessaratomya papillosa* (Drury.)

Papilionid

*Prochiloneurus* sp.*Tachardiaphagus tachardiae* Ashmead*Kerria lacca* (Kerr)

## Mymaridae

*Gonatocerus longicrus* Kieffer*Oligosita nephotettica* Mani*Nephotettix* spp.*Nephotettix cincticeps* Uhler

## Signiphoridae

*Thysanus* sp.*Aulacaspis yabunikkei* Kuwana

## Eulophidae

*Aprostocetus fukutai* Miwa & Sonan*Cirrospilus quadristriatus* (Rao & Rama.)*Pediobius mitsukurii* (Ashmead)*Tetrastichus purpureus* Cameron*Tetrastichus phyllocnistoides* (Narayanan)*Tetrastichus schoenobii* Ferriere*Anoplophora chinensis* (Forst.)*Phyllocnistis citrella* Stainton*Kerria lacca* (Kerr)*Phyllocnistis citrella* Stainton*Tryporyza incertulas* (Walker)

## Pteromalidae

*Anysis saissetiae* (Ashmead)*Pachyneuron nawai* Ashmead*Pachyneuron solitarium* (Ratzeburg)*Pteromalus puparum* (Linnaeus)*Saissetia hemisphaerica* (Targ.)*Dendrolimus punctatus* (Walker)*Dendrolimus punctatus* (Walker)*Pieris rapae* (Linnaeus)

## Eupelmidae

*Anastatus japonicus* Ashmead*Anastatus kashmirensis* Mathur*Eupelmus tachardiae* Howard*Mesocomys orientalis* Ferriere*Neanastatus orientalis* Girault*Tessaratomya papillosa* (Drury)*Dendrolimus punctatus* (Walker)*Kerria lacca* (Kerr)*Dendrolimus punctatus* (Walker)*Orseola oryzae* (Wood-Mason)

## Elasmidae

*Elasmus albopictus* Crawford*Schoenobius bipunctifera* (Walker)

## Trichogrammatidae

*Epoligosita sinica* Viggiani & Ren*Trichogramma dendrolimi* Matsumura*Trichogramma confusum* Viggiani*Dendrolimus punctatus* (Walker)

Lepidoptera

## Torymidae

*Monodontomerus dentipes* (Dalman)*Podagrion chinensis* Ashmead*Dendrolimus punctatus* (Walker)

Mantidae

## Chalcididae

*Brachymeria lasus* (Walker)*Brachymeria secundaria* (Ruschka)*Brachymeria excarinata* Gahan

Lepidoptera

Lepidoptera

Lepidoptera