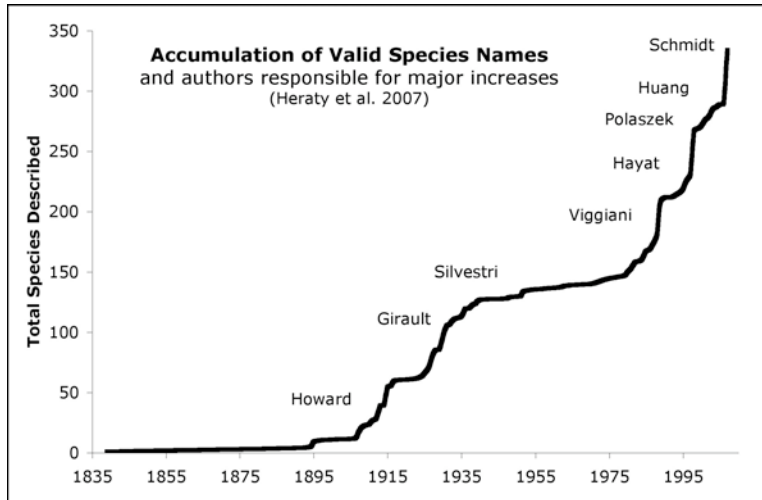


Catalog of the *Encarsia* of the World (2007)

John Heraty, James Woolley and Andrew Polaszek

(a work in progress)



<i>Encarsia</i>		<i>Distribution (published)</i>						<i>Host Associations (published)</i>		
Species Group	Total No.	Nearctic	Neotropical	Palearctic	Afrotropical	Australasian	Oriental	Aleyrodidae	Diaspididae	Other
unplaced	90	3	6	13	5	44	11	20	8	
Aurantii	42	7	5	18	4	9	22	13	22	2
Citrella	4	3	3					4		
Citrina	9	2	2	4	3		4	1?	7	
Cubensis	7	4	5		1	1	1	5		
Divergens	2						2		1	
Duorunga	3						3	2		
Elegans	6					2	4	4		
Flavoscutellum	4			1			3			3
Inaron	22	2	2	7	2	8	4	18	1	1
Inquirenda	4						4		3	
Lahorensis	22	1	2	3	1	7	13	14		1
Longifasciata	5			2	1	2	2	2	1	
Lutea	11			4	2	3	5	11		2
Luteola	13	7	8	4	2	3	2	10	1?	
Merceti	4	1					4	4		
Noyesi	12	3	2			6	2	5		
Opulenta	18	5	2	1		2	14	15	1?	1
Parvella	14	3	5	4	3	4	6	13		
Scapeata	2			1	1			1		
Septentrionalis	1						1	1		1
Singularis	3				1		2		3	
Smithi	2					2		1		
Strenua	36	4	3	10	3	14	16	25	2?	3?
Tremblayi	1				1			1		
Tricolor	6			4		1	1	5		2
Tristis	1				1	1	1	1		
Totals	344	45	45	76	31	109	127	175	46	13

Note: names in parentheses refer to species groups, not subgenera.

Encarsia Foerster, 1878. Type species: *Encarsia tricolor* Foerster, by original designation.

Aspidiotiphagus Howard, 1894a. Type species: *Coccophagus citrinus* Craw, by original designation. Synonymy by Viggiani & Mazzone, 1979[144]: 44.

Aspidiotiphagus Howard, 1894a. Type species: *Coccophagus citrinus* Craw, by original designation. Synonymy by Viggiani & Mazzone, 1979[144]: 44.

Prospalta Howard, 1894b. Type species: *Coccophagus aurantii* Howard. Subsequently designated by ICZN, Opinion 845, 1968: 12-13. Homonym; discovered by ??.

- Prospalta* Howard, 1894b. Type species: *Coccophagus aurantii* Howard. Homonym of *Prospalta* Howard; discovered by ??.
- Encarsia*; Howard, 1895b. Subsequent description.
- Prospaltella* Ashmead, 1904[238]. Replacement name; synonymy by Viggiani & Mazzone, 1979[144]: 44.
- Prospaltella* Ashmead, 1904[238]. Replacement name for *Prospalta* Howard Viggiani & Mazzone, 1979[144]: 44.
- Mimatomus* Cockerell, 1911. Type species: *Mimatomus peltatus* Cockerell, by monotypy. Synonymy by Girault, 1917[312]: 114.
- Doloresia* Mercet, 1912. Type species: *Prospaltella filicornis* Mercet, by original designation. Synonymy by Mercet, 1930a: 191.
- Aspidiotiphagus*; Mercet, 1912a. Subsequent description.
- Encarsia*; Mercet, 1912a. Subsequent description.
- Prospaltella*; Mercet, 1912a. Subsequent description.
- Prospaltoides* Bréthes, 1914. Type species: *Prospaltoides howardi* Bréthes, by original designation. Synonymy by Bréthes, 1916: 429.
- Encarsia*; Mercet, 1930a. Subsequent description.
- Trichaporus*; Mercet, 1930a. Subsequent description.
- Trichaporus*; Dozier, 1933a. Subsequent description.
- Encarsia*; De Santis, 1948a. Subsequent description.
- Aspidiotiphagus* (*Paraspidiotiphagus*) Alam, 1956. Type species: *Aspidiotiphagus flavus* Compere, by original designation. Synonymy by Viggiani & Mazzone ??, 1979[144]: 44.
- Paraspidiotiphagus* Alam, 1956. Type species: *Aspidiotiphagus flavus* Compere, by original designation. Synonymy by Huang & Polaszek, 1998: 1829.
- Encarsia*; Agarwal, 1964. Subsequent description.
- Aleurodiphilus* DeBach & Rose, 1981. Type species: *Aleurodiphilus americanus* DeBach & Rose, by original designation. Synonymy by Hayat, 1983: 85.
- Aspidiotiphagus*; Rose & DeBach, 1981. Subsequent description.
- Encarsiella* Hayat, 1983. Type species: *Encarsiella noyesi* Hayat, by original designation. Synonymy by Shafee & Risvi, 1984: 379; description as *Encarsiella* by Polaszek & Hayat 1992: 192 without reference to Shafee & Risvi synonymy; revived synonymy as *Encarsia* (*Noyesi*) by Schmidt & Polaszek 2007b: 86.
- Encarsia*; Viggiani, 1988d. Subsequent description.
- Encarsia*; Viggiani, 1990. Subsequent description.
- Encarsia*; Hayat, 1998. Subsequent description.
- Encarsia*; Huang & Polaszek, 1998. Subsequent description.
- Encarsia*; Polaszek, Abd-Rabou and Huang, 1999. Subsequent description.
- Encarsia*; Schmidt et al., 2001. Subsequent description.

unplaced species:

Encarsia adela Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (New South Wales [SchmidPo2007a], Tasmania [SchmidPo2007a]).
Encarsia adela Schmidt & Polaszek, 2007a: 2115-2116. Type data: Tasmania: Claytons, Bathurst Harbour.
 Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia alboscutellaris De Santis

CITATIONS: Abbass1975 [Tky].
 DISTRIBUTION: **Neotropical**: Argentina.
Encarsia alboscutellaris De Santis, 1979b: 134-135. Type data: Argentina: Misiones, Loreto. Holotype female, by original designation. Type depository: La Plata: Museo de la Plata, Universidad Nacional de La Plata, Division Entomologia, Argentina. Described: female. Illust.

Encarsia ancora Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Xenaleyrodes timonii* Martin [new].
 DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia ancora Schmidt & Polaszek, 2007a: 2123-2124. Type data: Australia: QLD, Heathlands. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia aonidiae Howard

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Greeniella* (=aonidia) *cornigera* [Hayat1989a, Mercet1912a, Howard1895c].

DISTRIBUTION: **Oriental**: Sri Lanka [HowardAs1896].

Encarsia aonidiae Howard, 1895c: 636. Type data: Sri Lanka: Pundaluoya. Lectotype female, by subsequent designation Hayat, 1981a: 464. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 3251. Described: female.

Encarsia aonidiae; Mercet, 1912a: 153-154. Described: female. Subsequent description.

Encarsia aonidiae; Ayer, 1925: 251. Subsequent description.

Encarsia ashmeadi (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Giraul1915238]).

Coccophagus ashmeadi Girault, 1915238: 50, 56. Type data: Australia: NSW, Chindera (Tweed River). Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2930. Described: female.

Prospaltella ashmeadi; Compere, 1931: 11. Change of combination.

Coccophagus ashmeadi; Dahms, 1983: 59.

Encarsia ashmeadi; Viggiani, 1985[233]: 235. Described: female. Illust. Change of combination.

Encarsia atlantica Polaszek & Hernández

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleyrodes* sp. [new].

DISTRIBUTION: **Palaeartic**: Canary Islands [HernanCaAg2003].

Encarsia atlantica Polaszek & Hernández, 2003: 60. Type data: Canary Islands: Tenerife. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

Encarsia aureola (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1913167]).

Prospaltella aureola Girault, 1913[167]: 189. Type data: Australia: QLD, Brisbane. Lectotype female, by subsequent designation ??????, . Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.1732. Described: female.

Coccophagus aureola; Girault, 1915[238]: 53, 56. Described: female. Change of combination.

Prospaltella aureola; Compere, 1931: 11.

Prospaltella aureola; Dahms, 1983: 76-77.

Encarsia aureola; Viggiani, 1985[233]: 236-237. Described: female. Illust. Change of combination.

Encarsia aurithorax Girault

CITATIONS: SchmidPo2007a [Ila, Rr, Dea].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1913167]).

Encarsia aurithorax Girault, 1913[167]: 186-187. Type data: Australia: QLD, Brisbane. Syntypes, female. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.1725. Described: female.

Encarsia aurithorax; Dahms, 1983: 83.

Encarsia aurithorax; Viggiani, 1985[233]: 237. Described: female. Illust. Subsequent description.

Encarsia axacaliae Abd-Rabou & Ghari

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Axacalia spiranti* Danzig [AbdrabGh2007].

DISTRIBUTION: **Palaeartic**: Iran.

Encarsia axacaliae Abd-Rabou & Ghari, 2007: xx. Type data: Iran. Holotype female, by original designation. Described: female. Illust.

Encarsia bella (Gahan)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Chionaspis pinifoliae* (Fitch) [Gahan1927, LuckDa1975, LuckDa1974].

CITATIONS: LuckDa1974 [Dev, Pa, Ho]; LuckDa1975 [Pa].

DISTRIBUTION: **Nearctic**: United States of America (California [Gahan1924]).

Prospaltella bella Gahan, 1927: 21. Type data: USA: MI, Ann Arbor (Agricultural College). Syntypes, both sexes.

Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 29447. Described: both sexes.

Encarsia bella; Viggiani, 1986[249]: 62-63. Described: both sexes. Illust. Change of combination.

Encarsia bifasciata Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleurodicus* sp. [SchmidPo2007b].

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007b]).

Encarsia bifasciata Schmidt & Polaszek, 2007b: 86-87. Type data: Australia: QLD: Forty Mile Scrub. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia brahmsi (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Girault1933440]).

Coccophagus brahmsi Girault, 1933[440]: 2[300]. Type data: Australia: Indooroopilly. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female.

Encarsia brahmsi; Hayat, 1989c: 289. Change of combination.

Encarsia caelata Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007b]).

Encarsia caelata Schmidt & Polaszek, 2007b: 88-89. Type data: Indonesia: Bogor. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia caelibaris (Mercet)

DISTRIBUTION: **Palearctic**: Spain [Mercet1931a].

Prospaltella caelibaris Mercet, 1931a: 561. Type data: Spain: Villa Vicoso de Odon. Holotype male, by monotypy.

Type depository: Madrid: Museo Nacional de Ciencias Naturales, Spain. Described: male.

Encarsia cappa Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia cappa Schmidt & Polaszek, 2007a: 2146-2147. Type data: Australia: QLD, Cockatoo Creek Crossing.

Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia chaoi Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia chaoi Huang & Polaszek, 1998: 1854-1856. Type data: PRC: Fujian, Fuzhou, Jinshan. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia chauliodoa Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Victoria [SchmidPo2007a]).

Encarsia chauliodoa Schmidt & Polaszek, 2007a: 2149-2150. Type data: Australia: VIC, 12 km N by W Hattah.

Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia clara (Dodd)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Aspidiotus* sp. [Dodd1917].

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Northern Territory [Dodd1917]).

Coccophagus clarus Dodd, 1917: 352-353. Type data: Australia: Northern Territory, Darwin. Holotype female.

Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female.
Encarsia clara; Viggiani, 1985[233]: 239-240. Described: female. Illust. Change of combination.

Encarsia clariscutellum (Girault)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Aspidiotus perniciosus*.

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1915238, Giraul1939453]).

Coccophagus clariscutellum Girault, 1915[238]: 51, 57. Type data: Australia: QLD, Gordonvale along Mulgrave River. Syntypes, female. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.3842. Described: female.

Prospaltella clariscutellum; Compere, 1931: 11. Change of combination.

Coccophagus clariscutellum fasciifacies Girault, 1939[453]: 16. Type data: Australia: QLD, Stanthorpe. Unknown type status female. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female. Synonymy by Noyes, 2001.

Coccophagus clariscutellum; Dahms, 1983: 183.

Encarsia clariscutellum; Viggiani, 1985[233]: 240. Described: female. Illust. Change of combination.

Encarsia costaricensis Evans & Angulo

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Trialeurodes vaporariorum* [EvansAn1996].

DISTRIBUTION: **Neotropical**: Costa Rica [EvansAn1996].

Encarsia costaricensis Evans & Angulo, 1996: 583-586. Type data: Costa Rica: Paraiso de Cartago. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

Encarsia craspedia Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Western Australia [SchmidPo2007a]).

Encarsia craspedia Schmidt & Polaszek, 2007a: 2156-2157. Type data: Australia: WA: Cape Arid National Park. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia dichroa (Mercet)

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleyrodes singularis* Danzig [HernanCaAg2003]. Hosts - HEMIPTERA **Aleyrodidae**: *Aleyrodes* sp., *Siphoninus phillyreae* (Hal.) [ViggiaMa1980157, HernanCaAg2003].

CITATIONS: HernanCaAg2003 [Da, Ia, Hre]; ManzarPoBe2002 [molecular phylogenetics.]; Viggia1988277 [Tky]; Viggia1993338 [Cco, Iec, Lhi, Rng].

DISTRIBUTION: **Neotropical**: Puerto Rico & Vieques Island. **Palaeartic**: Canary Islands [HernanCaAg2003]; Italy [ViggiaMa1980157, Viggia1993338]; Spain [Viggia1988277].

Prospaltella brunnea; Mercet, 1921: 305. Described: both sexes. Misidentification; discovered by Mercet, 1930b: 76.

Prospaltella dichroa Mercet, 1930b: 76. Type data: Spain: Provincia de Madrid. Unknown type status. Described: unknown.

Encarsia dichroa; Ferrière, 1965: 139. Change of combination.

Encarsia dichroa; Viggiani, 1967[25]: 145-146. Described: both sexes. Illust. Subsequent description.

Encarsia pseudopartenopea Viggiani & Mazzone, 1980[157]: 9. Type data: Italy: Sicily, Bronte. Syntypes, female. Type depository: UNP. Described: female. Illust. Synonymy by Viggiani, 1987c: 139.

Encarsia dichroa; Viggiani, 1988[277]: 139-140. Described: both sexes. Illust. Subsequent description.

Encarsia ectophaga (Silvestri)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Chrysomphalus dictyospermae* [Silves1935].

DISTRIBUTION: **Neotropical**: Argentina [Silves1935].

Prospaltella ectophaga Silvestri, 1935: 131-132. Type data: Argentina: Buenos Aires. Syntypes, both sexes, by **present designation**. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: both sexes.

Prospaltella ectophaga; De Santis, 1948a: 246-250. Described: both sexes. Illust. Subsequent description.

Encarsia elegantula Viggiani

DISTRIBUTION: **Palaeartic**: Italy [Viggiani1988277].

Encarsia elegantula Viggiani, 1988[277]: 142. Type data: Italy?: Avellino. Holotype female, by original designation. Type depository: UNP. Described: female. Illust.

Encarsia eugeniae (Risbec) new combination

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

Coccophagus eugeniae Risbec, 1952: 154-156. Type data: Madagascar: Tsimbazaza. Syntypes, female. Type depository: CTM. Described: female. Illust.

Aspidiotiphagus eugeniae; Annecke, 1975: 2. Change of combination.

Encarsia exserta Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia exserta Huang & Polaszek, 1998: 1873-1874. Type data: China: Fujian, Chong'an, Xianfengling. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia filicornis (Mercet)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Lecanium* sp. [Mercet1912b].

DISTRIBUTION: **Palaeartic**: Spain [Mercet1912b].

Prospaltella filicornis; Mercet, 1912a: 193-197. Described: male. Illust. Subsequent description.

Prospaltella filicornis Mercet, 1912b: 511. Type data: Spain: Madrid. Described: male.

Prospaltella filicornis; Mercet, 1930. Subsequent description.

Encarsia gallicola (Risbec)

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

Trichaporus gallicola Risbec, 1952: 259-262.. Type data: Madagascar. Holotype female, by monotypy. Described: female. Illust.

Encarsia gallicola; Noyes, 2001. Change of combination.

Encarsia grotei (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Girault1931435]).

Coccophagus grotei Girault, 1931[435]: 1[282]. Type data: Australia: QLD, Indooroopilly. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.4193. Described: female.

Coccophagus grotei; Dahms, 1984: 663.

Encarsia grotei; Viggiani, 1985[233]: 240-241. Described: female. Illust. Change of combination.

Encarsia hapalia Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae** [new].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia hapalia Schmidt & Polaszek, 2007a: 2169-2170. Type data: Australia: QLD, Forty Mile Scrub. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia horatii (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Girault1939453]).

Coccophagus horatii Girault, 1939[453]: 18. Type data: Australia: Queensland, Indooroopilly. Syntypes, female.

Type depository: Brisbane: Queensland Museum, Queensland, Australia.

Encarsia horatii; Hayat, 1989c: 289. Change of combination.

Encarsia iris (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Girault1930432]).

Coccophagus iris Girault, 1930[432]: 4[276]. Type data: Australia: QLD, Indooroopilly. Holotype female, by

original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.4012.
Described: female.

Coccophagus iris; Dahms, 1984: 730.

Encarsia iris; Viggiani, 1985[233]: 241-242. Described: female. Illust. Change of combination.

Encarsia justicia Girault

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1913167]).

Encarsia justicia Girault, 1913[167]: 187. Type data: Australia: QLD, Nelson [=Gordonvale] (Cairns). Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.1726. Described: female.

Encarsia justicia; Dahms, 1984: 734.

Encarsia justicia; Viggiani, 1985[233]: 242. Described: female. Illust. Subsequent description.

Encarsia lasallei Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia lasallei Huang & Polaszek, 1998: 1901-1903. Type data: China: Fujian, Wuyi Mountain. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia leptosa Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia leptosa Schmidt & Polaszek, 2007a: 2178-2179. Type data: Australia: QLD, 14 km W by N of Hope Vale Mission. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia leucippi (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1936447]).

Coccophagus leucippi Girault, 1936[447]: 2[323]. Type data: Australia: QLD, Indooroopilly. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9163. Described: female.

Coccophagus leucippe; Dahms, 1984: 754. Misspelling of species name.

Encarsia leucippi; Viggiani, 1985[233]: 243-244. Described: female. Illust. Change of combination.

Encarsia levadicola Polaszek & Hernández

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Bemisia lauracea* (Martin et al.) [new].

DISTRIBUTION: **Palaeartic**: Canary Islands [HernanCaAg2003].

Encarsia levadicola Polaszek & Hernández, 2003: 73. Type data: Madeira: Levada da Serra. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

Encarsia levo Hayat

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Dialeuropora decempuncta* [new].

DISTRIBUTION: **Oriental**: India (West Bengal [Hayat2006]).

Encarsia levo Hayat, 2006: xx. Type data: West Bengal. Holotype female, by **present designation**. Type depository: New Delhi: National Pusa Collections, Indian Agricultural Research Institute, India. Described: female, male and larva. Illust.

Encarsia longisetosa Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia longisetosa Schmidt & Polaszek, 2007a: 2183-2185. Type data: Australia: QLD, Heathlands. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia longispina Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia longispina Schmidt & Polaszek, 2007a: 2185-2186. Type data: Australia: QLD, Cockatoo Creek Crossing.

Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia lougae (Risbec)

ASSOCIATIONS: Host - HEMIPTERA **Coccidae** [Hayat1985b].

DISTRIBUTION: **Afrotropical**: Senegal [Risbec1951].

Phycus lougae Risbec, 1951: 391. Type data: Senegal. Unknown type status. Described: female and larva.

Coccobius lougae; Hayat, 1985b: 304. Described: female and larva. Change of combination.

Encarsia lougae; Prinsloo, 1995: 1540. Described: female and larva. Change of combination.

Encarsia macoensis Abd-Rabou & Ghari

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* (Genn.) [new].

DISTRIBUTION: **Palaeartic**: Iran [AbdrabGh2007].

Encarsia macoensis Abd-Rabou & Ghari, 2007: xx. Type data: Iran. Holotype female, by original designation.

Described: female, male and larva. Illust.

Encarsia maculata Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Western Australia [SchmidPo2007a]).

Encarsia maculata Schmidt & Polaszek, 2007a: 2192-2193. Type data: Australia: WA, Purnululu National Park.

Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia marginata Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia marginata Huang & Polaszek, 1998: 1915-1916. Type data: China: Fujian, Chong'an, Sangang. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia marxi (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1936446]).

Coccophagus marxi Girault, 1936[446]: 1[320]. Type data: Australia: QLD, Indooroopilly. Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.9201.

Described: female.

Coccophagus marxi; Dahms, 1984: 796.

Encarsia marxi; Viggiani, 1985[233]: 244-245. Described: female. Illust. Change of combination.

Encarsia melanostoma Polaszek & Hernández

DISTRIBUTION: **Palaeartic**: Canary Islands [HernanCaAg2003].

Encarsia melanostoma Polaszek & Hernández, 2003: 77. Type data: Canary Islands: Tenerife. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

Encarsia mescheryakovi Yasnosh

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Lepidosaphes japonica* [Jasnos1995].

CITATIONS: Jasnos1995.

DISTRIBUTION: **Palaeartic**: Russia (Primor'ye Kray [Jasnos1995]).

Encarsia mestsheryakovi; Yasnosh, 1995. Misspelling of species name.

Encarsia mescheryakovi Yasnosh, 1995: 545. Type data: Russia: Primor'ye Kray. Unknown type status, by **present designation**. Described: female and larva.

Encarsia metallica (Risbec)

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

Trichaporus metallicus Risbec, 1952: 256-259. Type data: Madagascar: Bekily, Vafondragy. Syntypes, female, by **present designation**. Described: female. Illust.

Encarsia metallica; Noyes, 2001. Change of combination.

Encarsia moffsi Hulden

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Pealius quercus* [Hulden1986].

DISTRIBUTION: **Palaeartic**: Finland [Hulden1986].

Encarsia moffsi Hulden, 1986: 19. Type data: Finland. Holotype female. Described: female. Illust.

Encarsia mozarti Girault

DISTRIBUTION: **Australasian**: Australia (Western Australia [Girault1932439]).

Encarsia mozarti Girault, 1932[439]: 3. Type data: West Australia. Unknown type status. Described: female and larva.

Encarsia multiciliata Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia multiciliata Huang & Polaszek, 1998: 1919-1921. Type data: China: Fujian, Chong'an, Sangang. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia nigriventris (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Girault1913167]).

Coccophagus nigriventris Girault, 1913[167]: 189. Type data: Australia: QLD, Brisbane. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.1731. Described: female.

Coccophagus nigriventris; Girault, 1915[238]: 47, 56. Described: female. Change of combination.

Prospaltella nigriventris; Compere, 1931: 11. Change of combination.

Encarsia nigriventris; Viggiani, 1985[233]: 245-246. Described: female. Illust. Change of combination.

Prospaltella nigriventris; Dahms, 1986: 347.

Encarsia nitella Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Viennotaleyrodes incomptus* Martin [new].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia nitella Schmidt & Polaszek, 2007a: 2200-2201. Type data: Australia: QLD, Bundaberg. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia noahi Polaszek & Hernández

DISTRIBUTION: **Palaeartic**: Canary Islands [HernanCaAg2003].

Encarsia noahi Polaszek & Hernández, 2003: 78. Type data: Canary Islands: Tenerife. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

Encarsia orangae Raina et al.

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurocanthus nagpurensis* [RainaRaKh1996].

DISTRIBUTION: **Oriental**: India (Maharashtra [RainaRaKh1996]).

Encarsia orangae Raina et al., 1996: 8-. Type data: India: Maharashtra. Syntypes, female, by **present designation**. Type depository: Nagpur: Nagpur University, India. Described: female.

Encarsia paucisetosa Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Western Australia [SchmidPo2007a]).

Encarsia paucisetosa Schmidt & Polaszek, 2007a: 2209-2210. Type data: Australia: WA, Purnululu National Park. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia pauliani (Risbec) new combination

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Pseudaulacaspis pentagona* Targ. [Risbec1952].

DISTRIBUTION: **Afrotropical**: Madagascar [Risbec1952].

Coccophagus Pauliani Risbec, 1952: 152-154. Type data: Madagascar: Tsimbazaza. Syntypes, female. Type depository: CTM?; type no. M. Described: female. Illust.

Aspidiotiphagus pauliani; Annecke, 1975: 2. Change of combination.

Encarsia peltata (Cockerell)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleyrodes pruinosa euphorbiarum* Cockerell [Cocker1911].

CITATIONS: HoelmeDa1993 [Mod, Pa, Cc].

DISTRIBUTION: **Nearctic**: United States of America (Colorado [Cocker1911]).

Mimatomus peltatus Cockerell, 1911: 464. Type data: USA: CO, Glenwood Springs. Lectotype female, by subsequent designation Viggiani, 1986b: 69. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 15695. Described: both sexes.

Encarsia peltata; Viggiani, 1986[249]: 69. Described: both sexes. Illust. Change of combination.

Encarsia perpulchella (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1915238]).

Coccophagus perpulchellus Girault, 1915[238]: 53, 57. Type data: Australia: QLD, Gordonvale (Cairns). Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2937. Described: female.

Prospaltella perpulchella; Compere, 1931: 11. Change of combination.

Encarsia perpulchella; Viggiani, 1985[233]: 246. Described: female. Illust. Change of combination.

Coccophagus perpulchellus; Dahms, 1986: 402-403.

Encarsia perseus (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Western Australia [Giraul1917312]).

Coccophagus ashmeadi perseus Girault, 1917[312]: 29. Type data: Australia: WA, Swan River. Lectotype female, by subsequent designation Viggiani, 1986[249]: ?? . Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 20683. Described: female.

Prospaltella perseus; Compere, 1931: 11. Change of combination requiring emendation of specific epithet for agreement in gender.

Encarsia perseus; Viggiani, 1986[249]: 69-70. Described: female. Illust. Subsequent description.

Encarsia perseus; Schmidt & Polaszek, 2007a: 2117. Justified emendation.

Encarsia picithorax (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1915238]).

Coccophagus lautus Girault, 1915[238]: 52, 57. Type data: Australia: QLD, Gordonvale (Cairns). Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2935. Described: female. Synonymy by Schmidt & Polaszek, 2007a: 2219.

Coccophagus picithorax Girault, 1915[238]: 52, 57. Type data: Australia: QLD, Gordonvale (Cairns). Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2934. Described: female.

Prospaltella lautus; Compere, 1931: 11. Change of combination.

Prospaltella picithorax; Compere, 1931: 11. Change of combination.

Coccophagus lautus; Dahms, 1984: 750.

Encarsia lautus; Viggiani, 1985[233]: 242. Described: female. Illust. Change of combination.

Encarsia picithorax; Hayat, 1989c: 289. Change of combination.

Encarsia picta Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia picta Huang & Polaszek, 1998: 1938-1939. Type data: China: Fujian, Fuzhou (Forest Park). Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia pilosa Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleurodicus destructor* Mackie [new].

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007b]).

Encarsia pilosa Schmidt & Polaszek, 2007b: 90-91. Type data: Australia: QLD: Cunningham's Gap via Aratula.

Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.

Encarsia plana Viggiani & Ren

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Bambusaspis* sp. [ViggiaRe1987274].

CITATIONS: Huang1994 [Tde]; ViggiaRe1993335.

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [ViggiaRe1987274]).

Encarsia plana Viggiani & Ren, 1987[274]: 28-31. Type data: People's Republic of China: Guangzhou. Holotype female, by original designation. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy.

Described: female. Illust.

Encarsia plana; Huang & Polaszek, 1998: 1939-1941. Described: female. Illust. Subsequent description.

Encarsia planchoniae Howard

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Bambusaspis delicatum* [Howard1895c].

CITATIONS: Ayyar1925 [Tc]; Hayat1986 [Tc]; Mani1938 [Tc].

DISTRIBUTION: **Oriental**: Sri Lanka [Howard1895c].

Encarsia planchoniae Howard, 1895c: 635-636, 637 [CHE. Type data: Sri Lanka, Pundaluoya. Lectotype male, by subsequent designation Hayat, 1981a: 467. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 3250. Described: male.

Encarsia planchoniae; Hayat, 1981c: 467. Described: male. Subsequent description.

Encarsia planchoniae; Hayat, 1989c: 76. Described: female and larva.

Encarsia plaumanni Viggiani

DISTRIBUTION: **Neotropical**: Brazil [Viggia1988276].

Encarsia plaumanni Viggiani, 1988[276]: 77-80. Type data: Brazil: Nova Teutonia. Holotype female, by original designation. Type depository: Gainesville: American Entomological Institute, FL, USA. Described: female. Illust.

Encarsia polaszeki Evans

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* (Gennadius) complex [Evans1997].

DISTRIBUTION: **Neotropical**: Brazil (Pernambuco [Evans1997]).

Encarsia polaszeki Evans, 1997: 25-26. Type data: Brasil: Pernambuco, Olinda. Holotype female, by original designation. Type depository: Ithaca: Cornell University Insect Collection, Department of Entomology, Cornell University, NY, USA; type no. USNM. Described: both sexes. Illust.

Encarsia praegrandis Viggiani

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleuroplatus* [Viggia1985230].

DISTRIBUTION: **Australasian**: Papua New Guinea [Viggia1985230].

Encarsia praegrandis Viggiani, 1985[230]: 11-12. Type data: Papua New Guinea: Daulo Pass. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia; type no. 1066. Described: female. Illust.

Encarsia prolata Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia prolata Schmidt & Polaszek, 2007a: 2223-2225. Type data: Australia: QLD, Mossman. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia pulliclava (Girault)

CITATIONS: PolaszHa1992 [Dea, Ila]; PolaszHa1992 [No]; SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Western Australia [Girault1917312]).

Coccophagus pulliclavus Girault, 1917[320]: 93. Type data: Australia: WA, Perth. Syntypes, female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 20669. Described: female.

Prospaltella pulliclava; Compere, 1931: 11. Change of combination.

Encarsia pulliclava; Hayat, 1989c: 289. Change of combination.

Encarsia rentzi Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia rentzi Schmidt & Polaszek, 2007a: 2228-2229. Type data: Australia: QLD, Curtain Fig, 2 km SW Yungaburra. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia silvifilia (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1924376]).

Coccophagus silvifilia Girault, 1924[376]: 3[180]. Type data: Australia: QLD, Flaxton, Blackall Range. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.3845. Described: female.

Encarsia silvifilia; Viggiani, 1985[233]: 249. Described: female. Illust. Change of combination.

Coccophagus silvifilia; Dahms, 1986: 539-540.

Encarsia socratis (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1931435]).

Coccophagus socratis Girault, 1931[435]: 3[282]. Type data: Australia: QLD, Indooroopilly. Holotype female, type designation unknown. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.4950. Described: female.

Coccophagus socratis; Dahms, 1986: 544-545.

Encarsia socratis; Viggiani, 1986[249]: 74. Described: female. Illust. Change of combination.

Encarsia spinosa Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Dialeuropora decempuncta* (Quaintance & Baker) [new].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia spinosa Schmidt & Polaszek, 2007a: 2239-2240. Type data: Australia: QLD, Brisbane, Long Pocket. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia submetallica (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1930432]).

Coccophagus submetallicus Girault, 1930[433]: 6[277]. Type data: Australia: Queensland, Indooroopilly. Holotype male. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: male.

Encarsia submetallica; Hayat, 1989c: 290. Change of combination.

Encarsia telemachus Evans

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleurothrixus floccosus* [EvansSe2002].

DISTRIBUTION: **Neotropical**: Haiti [EvansSe2002].

Encarsia telemachus Evans, 2002: 207-208. Type data: EvansSe2002. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia thoreauini (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Giraul1915238]).

Coccophagus thoreauini Girault, 1915[238]: 50-51, 57. Type data: Australia: NSW, Tweed Heads, Tweed River. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2931. Described: female.

Prospaltella thoreauini; Compere, 1931: 11. Change of combination.

Encarsia thoreauini; Viggiani, 1985[233]: 252. Described: female. Illust. Change of combination.

Coccophagus thoreauini; Dahms, 1986: 587.

Encarsia totiaurea (Girault)

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1930432]).

Coccophagus totiaureus Girault, 1930[432]: 3[272]. Type data: Australia: QLD, Kingston. Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.4008. Described: female.

Encarsia totiaurea; Viggiani, 1985[233]: 252. Described: female. Illust. Change of combination.

Coccophagus totiaureus; Dahms, 1986: 591.

Encarsia toticilia Girault

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia [Giraul1936446].

Encarsia toticilia Girault, 1936[446]: 1. Type data: Australia. Unknown type status female and larva. Described: female and larva.

Encarsia trjapitzini Jasnosh

DISTRIBUTION: **Palaeartic**: Russia (Primor'ye Kray [Jasnos1989]).

Encarsia trjapitzini Jasnosh, 1989: 117-118. Type data: Primorskiy Kray, Ussuriyskiy Reserve. Holotype female, by original designation. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: both sexes. Illust.

Encarsia whittieri Girault

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (New South Wales [Giraul1915238]).

Encarsia whittieri Girault, 1915[238]: 60. Type data: Australia: NSW, Tweed Heads, Tweed River. Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2950. Described: female.

Encarsia whittieri; Viggiani, 1985[233]: 254. Described: female. Illust. Subsequent description.

Encarsia whittieri; Dahms, 1986: 653.

Encarsia (Aurantii) Viggiani & Mazzone

Prospalta Howard, 1894b: 6. Type species: *Coccophagus aurantii* Howard. Subsequently designated by ICZN, Opinion 845, 1968: 12-13. Homonym; discovered by ??.

Prospaltella Ashmead, 1904[238]: 126. Replacement name; synonymy by Viggiani & Mazzone, 1979[144]: 44.

Mimatomus Cockerell, 1911: 464. Type species: *Mimatomus peltatus* Cockerell, by monotypy. Synonymy by Girault, 1917[312]: 114.

Encarsia (Aurantii) Viggiani & Mazzone, 1979[144]: 47.

Encarsia (Aurantii); Hayat, 1989: 11.

Encarsia (Aurantii) aleurotubae Viggiani

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurotuba jelineki* (Frauenf.) [Viggia1982191].

DISTRIBUTION: **Palaeartic**: Italy [Viggia1982191].

Encarsia aleurotubae Viggiani, 1982[191]: 15-17. Type data: Italy: Taurasi. Holotype female, by original designation. Type depository: UNP. Described: both sexes. Illust.

Encarsia aleurotubae; Viggiani, 1988[277]: 131. Described: both sexes. Illust. Subsequent description.

Encarsia (Aurantii) aspidiocola (Mercet)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Dynaspidotus britannicus* (Newst.) [Mercet1929, ViggiaBa1984220], *Nuculaspis abietus* (Schr.) [Viggia1988277].

CITATIONS: Viggia1993338 [Cco, Iec, Lhi, Rng]; ViggiaBa1984219 [Lhi].

DISTRIBUTION: **Palaeartic**: Italy [Mercet1929, Viggia1993338]; Spain [Mercet1929]; Switzerland [Ferrie1961].

Prospaltella aspidiocola Mercet, 1929: 215-217. Type data: Italy: Portici. Holotype female. Type depository: UNP. Described: female.

Prospaltella aspidiocola; Mercet, 1931: 563. Subsequent description.

Prospaltella aspidiocola; Ferrière, 1961: 261. Described: both sexes. Illust. Subsequent description.

Encarsia aspidioticola; Viggiani, 1988[277]: 131-133. Described: both sexes. Illust. Change of combination.

Encarsia (Aurantii) aurantii (Howard)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleyrodes bergi* Sign.? [Howard1908a], *Aleyrodes coronata* Quiantance? [Howard1908a], *Aleyrodes* sp.? [Howard1908a]. **Diaspididae**: *Aonidiella aurantii citrinus* (Mask.) [Silves1930, Howard1908a], *Aonidiella citrina* (Coquillet) [PolaszAb1999], *Aonidiella orientalis* (Newstead) [Hayat1989a], *Aonidomytilus espinosai* (Porter) [PolaszAb1999], *Aspidiotus abietis*, *Aspidiotus ancyclus* Putn. [Howard1895b], *Aspidiotus aurantii v. citrinus* [Howard1895b], *Aspidiotus destructor* Signoret [PolaszAb1999], *Aspidiotus ederae* [Howard1895b], *Aspidiotus hederæ* Vall. [Howard1908a], *Aspidiotus juglansregiae*, *Aspidiotus perniciosus*, *Aspidiotus pini* Comstock [Howard1895b], *Chionaspis* sp. [Howard1895b, Howard1908a], *Chrysomphalus aonidium* (L.) [Silves1930], *Chrysomphalus dictyospermi* (Morgan) [PolaszAb1999], *Chrysomphalus fiscus* Ashmead [PolaszAb1999], *Diaspidiotus ancyclus* Putn. [Howard1908a], *Diaspidiotus forbesi* Johns. [Howard1908a], *Diaspidiotus howardi*, *Diaspidiotus juglansregiae* Comstock [Howard1908a], *Diaspidis amygdali*, *Diaspis pentagona*, *Hemiberlesia lataniae* (Signoret) [Hayat1989a], *Hemiberlesia rapax* (Comstock) [PolaszAb1999], *Lepidosaphes albus v. concolor* Ckll. [Howard1895b, Howard1908a], *Lepidosaphes beckii* Newm. [Howard1908a], *Lepidosaphes eucalypti* Crawford [Howard1895b, Howard1908a], *Lepidosaphes gloveri* Pack. [Silves1930, Howard1908a], *Lepidosaphes japonica* Cockerell [PolaszAb1999], *Lepidosaphes newsteadi* Sulc [PolaszAb1999], *Lepidosaphes pinnaeformis*, *Leucaspis pini*, *Lindingaspis fusca* (Maskell) [Hayat1989a], *Melanaspis obscura* (Comstock) [PolaszAb1999], *Mytilaspis citricola* Pack. [Howard1895b], *Parlatoria oleae* Colvee [PolaszAb1999], *Pinnaspis strachani* (Cooley) [Hayat1989a], *Quadraspidotus ostreaeformis* (Curtis) [PolaszAb1999], *Quadraspidotus perniciosus* Comstock [PolaszAb1999].

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics]; Comper1936; DeSant1979a [Tc]; Ferrie1961; Gordh1979 [Tc]; Hayat1986 [Tc]; NikolsTr1965 [Tn]; Peck1963 [Tc]; Rust1913 [Ila].

DISTRIBUTION: **Australasian**: Australia (South Australia [Howard1895b, Howard1908a]). **Nearctic**: United States of America (California [Howard1895b, Howard1908a], District of Columbia [Howard1895b], New Mexico [Howard1895b], New York [Howard1895b]). **Neotropical**: Argentina [Brethe1914] [DeSant1948a].

Oriental: India (Andhra Pradesh [Hayat1989a], Karnataka [Hayat1989a]); Sri Lanka [Hayat1989a]. **Palaeartic**: China [Howard1908a, Silves1930]; Egypt [PolaszAb1999]; Italy [Howard1895b].

Coccophagus aurantii Howard, 1894a: 231. Type data: USA: CA, San Gabriel. Lectotype female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 709. Described: female.

Prospalta aurantii; Howard, 1894b: 7. Described: female. Illust. Change of combination.

Prospaltella aurantii; Howard, 1908: 293. Described: unknown. Change of combination.

Prospaltella aurantii; Mercet, 1912a: 181-182. Described: female. Illust. Subsequent description.

Prospaltella aurantii; Brethes, 1914: 9-12. Described: female and larva. Subsequent description.

Coccophagus aurantii; Girault, 1915[238]: 48, 56. Subsequent description.

Prospaltella aurantii; Silvestri, 1930: 49-51. Described: both sexes. Illust. Subsequent description.

Prospaltella aurantii; De Santis, 1948a. Described: female. Subsequent description.

Prospaltella aurantii; Ferrière, 1961. Described: female. Illust. Subsequent description.

Encarsia aurantii; Viggiani & Mazzone, 1979[144]: 44,47. Change of combination.

Encarsia aurantii; Viggiani, 1986[249]: 60. Described: female. Illust. Subsequent description.

Encarsia aurantii; Hayat, 1998: 220-221. Described: female. Illust. Subsequent description.

Encarsia aurantii; Polaszek, Abd-Rabou and Huang, 1999: 137-139. Illust. Subsequent description.

Encarsia (Aurantii) berlesei (Howard)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Melanaspis obscurus* (Comstock) [Peck1963], *Pinnaspis minor* (Maskell) [LiaoLiPa1987], *Pinnaspis strachani* Cooley [Hayat1989a], *Pinnaspis strachani* Coolley [Hayat1989a], *Pseudaulacaspis pentagona* Targioni-Torzetti [Nakaya1921, Dozier1933a, NalepaMe1990, DeSant1979a, MeyerAn1991, Viggia1988277, Viggia1990299, Silve].

CITATIONS: DeBachRo1981 [Dea, Ila]; DeSant1979a [Tc]; Ferrie1965; GaronnVi1988; Grisse1979 [Dea]; Hertin1972 []; Howard1907; Howard1908a [Dea, Ran]; Howard1912; Howard1916; Huang1994 [Tde]; HuangPo1998; LiaoLiPa1987; Masi1908; MeyerAn1991 [Em, Mor, Pa, Cc]; NalepaMe1990 [Em, Pa, Syb, Bc, Cc]; NikolsTr1965 [Tn]; Peck1963 [Tc]; PruthiMa1940; SandsBrLi1990 [No, Ila, Int]; SandsBrLi1990 [No, Ila, Bc]; Sheng1989; Viggia1989306 [Nun]; Viggia1993338 [Cco, Iec, Lhi, Rng]; ViggiaMa1979144.

DISTRIBUTION: **Australasian**: American Samoa [SandsBrLi1990]. **Nearctic**: United States of America

[HuangPo1998] (Washington [Howard1906]). **Neotropical**: Argentina [DeSant1948a]; Brazil [HuangPo1998]. **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Zhejiang (=Chekiang) [HuangPo1998]); Sri Lanka [Hayat1989a]; Taiwan [Silves1930]. **Palaeartic**: Egypt [PolaszAb1999]; France [Ferrie1961]; Hungary [Erdos1958]; Italy [Viggia1993338, Howard1908a]; Japan [Nakaya1921]; USSR [HuangPo1998]; Yugoslavia [Bachma1953].

Prospalta berlesei Howard, 1906: 292-293. Type data: Italy: Florence. Syntypes, female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 9942. Described: female. Illust.

Prospaltella berlesei; Howard, 1908a: 283. Described: female and larva. Change of combination.

Prospaltella Berlesei; Mercet, 1912a: 182-186. Described: both sexes. Illust. Subsequent description.

Prospaltella berlesei; Silvestri, 1930: 62-64. Described: female. Illust. Misidentification.

Prospaltella berlesei; De Santis, 1948a: 241-246. Described: female. Illust. Subsequent description.

Prospaltella berlesei; Ferrière, 1961: 261-263. Described: female. Illust. Subsequent description.

Encarsia berlesei; Viggiani, 1988[259]: 134-136. Described: female. Illust. Change of combination.

Encarsia berlesei; Huang & Polaszek, 1998: 1848-1850. Described: female. Illust. Subsequent description.

Encarsia berlesei; Polaszek, Abd-Rabou and Huang, 1999: 139-141. Illust. Subsequent description.

Encarsia (Aurantii) bicolor (Timberlake)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Aspidiotus cydoninae* Comstock.

DISTRIBUTION: **Australasian**: Hawaiian Islands. **Neotropical**: Argentina [DeSant1948a].

Prospaltella bicolor Timberlake, 1926: 310. Type data: USA: Oahu, Honolulu. Holotype female, by original designation. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA. Described: female.

Encarsia bicolor; De Santis, 1948a: 256-259. Described: female. Illust. Subsequent description.

Encarsia bicolor; Viggiani, 1986[249]: 64. Described: female. Illust. Change of combination.

Encarsia (Aurantii) brachyura Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia brachyura Huang & Polaszek, 1998: 1852-1853. Type data: PRC; Fujian, Chong'an, Pikeng. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Aurantii) brimblecombei (Girault)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Chionaspis citri*.

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia [Giraul1933440].

Coccophagus brimblecombei Girault, 1933[440]: 4. Type data: Australia: Forest Hill. Syntypes, female, type designation unknown. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.8696. Described: female.

Coccophagus brimblecombei; Dahms, 1983: 152.

Encarsia brimblecombei; Viggiani, 1985[233]: 238. Described: female. Illust. Change of combination.

Encarsia (Aurantii) brittanica (Girault)

DISTRIBUTION: **Australasian**: Australia [Giraul1915255].

Coccophagus brittanicus Girault, 1915255: 217. Type data: England. Lectotype female, by subsequent designation Boucek & Graham, 1978. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 19632. Described: female.

Prospaltella brittanica; Compere, 1931: 11. Change of combination.

Prospaltella brittanica; Erd's, 1958: 423. Described: male. Subsequent description.

Encarsia brittanica; Viggiani, 1985[232]: 81. Described: female. Illust. Change of combination.

Encarsia (Aurantii) circumsculpturata Viggiani

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Bemisialeyrodes* [Viggia1985232].

DISTRIBUTION: **Afrotropical**: Kenya.

Encarsia circumsculpturata Viggiani, 1985[232]: 82-82. Type data: Kenya: Matuga. Holotype female, by original designation. Type depository: UNP. Described: both sexes. Illust.

Encarsia (Aurantii) coimbatorensis Hayat

DISTRIBUTION: **Oriental:** India (Tamil Nadu [Hayat1989a]).

Encarsia coimbatorensis Hayat, 1989a: 36-37. Type data: India: Tamil Nadu, Coimbatore. Holotype female. Type depository: London: Natural History Museum, England. Described: female.

Encarsia coimbatorensis; Hayat, 1998: 225. Described: female. Illust. Subsequent description.

Encarsia (Aurantii) diaspidicola (Silvestri)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae:** *Pseualacaspis pentagona* [Silves1909, HuangPo1998], *Quadraspidiotus perniciosus* [Peck1963].

CITATIONS: Burks1958; Hayat1989a; Hertin1972; Peck1951; Thomps1953; ViggiaMa1979144; ViggiaRe1993335.

DISTRIBUTION: **Afrotropical:** South Africa [Silves1909]. **Neotropical:** Brazil [Dozier1933a]; Haiti [Dozier1933a]; Puerto Rico & Vieques Island [Dozier1933a]. **Oriental:** China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998]).

Prospaltella diaspidicola Silvestri, 1909: 564-565. Type data: South Africa: Cape Town, Wellington. Syntypes, female. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female.

Prospaltella diaspidicola; Mercet, 1912a: 189-190. Described: female. Subsequent description.

Prospaltella diaspidicola; Gahan, 1924: 14. Subsequent description.

Prospaltella diaspidicola; Silvestri, 1930: 64-66. Described: female. Illust. Subsequent description.

Encarsia diaspidicola; Huang & Polaszek, 1998: 1863-1865. Described: female. Illust. Subsequent description.

Encarsia (Aurantii) divergens (Silvestri)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae:** *Aleurocanthus woglumi* (Ashby) [DeSant1979a].

CITATIONS: DeSant1979a [Tc]; Flande1969; Hayat1986 [Tc].

DISTRIBUTION: **Oriental:** India (Assam [Hayat1989a]); Singapore [Silves1926].

Prospaltella divergens Silvestri, 1926: 182-184. Type data: Mexico/Cuba - Singapore in Zoo.Rec. Syntypes, female (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia divergens; Viggiani & Mazzone, 1979[144]: 45. Change of combination.

Encarsia divergens; Hayat, 1998: 221. Described: female. Illust. Subsequent description.

Encarsia (Aurantii) explorata (Silvestri)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae:** *Lepidosaphes* sp. [Silves1930].

DISTRIBUTION: **Palaeartic:** Japan [Silves1930].

Prospaltella explorata Silvestri, 1930: 61-62. Type data: Japan: Kumamoto. Syntypes, female (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia (Aurantii) fasciata (Malenotti)

ASSOCIATIONS: Hosts - HEMIPTERA **Coccidae:** *Mytilococcus destefanii?* [HuangPo1998]. **Diaspididae:** *Aulacaspis rosae* [Ferrie1965], *Carulaspis visci* (Schraeder) [Gordh1979], *Chrysomphalus dictyospermi* (Morg.) [Mercet1924], *Pseudaonidia duplex* (Cockerell) [Gordh1979], *Quadraspidiotus lenticularis* [HuangPo1998], *Quadraspidiotus perniciosus* (Comst.) [Viggia1988277].

CITATIONS: BennasBi1960 [Bio]; Ferrie1965; Gordh1979; Grisse1979; Mercet1921; Mercet1931b; Peck1951; Peck1963; Thomps1953; ViggiaMa1979144.

DISTRIBUTION: **Nearctic:** United States of America [Gordh1979, Peck1951, Peck1963]. **Oriental:** China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998]). **Palaeartic:** France [HuangPo1998, Poutie1928]; Germany [Ferrie1961]; Iran [Kiriuk1946]; Italy [Goidan1946, Maleno1917b]; Spain [HuangPo1998]; Switzerland [Ferrie1961].

Prospaltella fasciata Malenotti, 1917b: 195-196. Type data: Italy: Florence. Unknown type status female, by monotypy. Type depository: ?ISZA. Described: female. Illust.

Prospaltella fasciata; Ferrière, 1961: 255, 259-260. Subsequent description.

Encarsia fasciata; Viggiani, 1988[277]: 142-144. Described: female. Illust. Change of combination.

Encarsia (Aurantii) fuzhouensis Huang & Polaszek

DISTRIBUTION: **Oriental:** China (Fujian (=Fukien) [HuangPo1998]).

Encarsia fuzhouensis Huang & Polaszek, 1998: 1884-1885. Type data: PRC: Fujian, Fuzhou (Forest Park).

Holotype female, by original designation. Type depository: FAO. Described: female. Illust.

Encarsia (Aurantii) gigas (Tchumakova)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Quadraspidiotus* sp. [Viggia1988277], *Quadraspidiotus slavonicus* Green. [Jasnos1973].

CITATIONS: Viggia1980160 [Nut].

DISTRIBUTION: **Palearctic**: Italy [Tchuma1957].

Prospaltella gigas Tchumakova, 1957: 541. Type data: Italy: Avellino, Mirafiori.

Prospaltella gigantis; Erdős, 1958: 93. Misspelling of species name.

Prospaltella gigas; Ferrière, 1961: 267-268. Described: both sexes. Illust. Subsequent description.

Encarsia gigas; Viggiani, 1980[160]: 28. Described: male. Illust.

Encarsia gigas; Viggiani, 1988[277]: 146-147. Described: both sexes. Illust. Subsequent description.

Encarsia (Aurantii) herndoni (Girault)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Aonidiella aurantii* (Mask.) [Silves1930], *Chrysomphalus aonidium* (L.) [Silves1930], *Cornuaspis beckii* [HuangPo1998], *Cornuaspis gloverii* [HuangPo1998], *Fiornia theae* [Hayat1989a], *Insulaspis gloverii* (Packard) [Viggia1990299, Silves1930], *Lepidosaphes gloverii* [Viggia1986249], *Lepidosaphes ulmi* (L.) [Viggia1988277], *Parlatoria ziziphi* [HuangPo1998].

CITATIONS: Huang1994 [Tde]; ViggiaRe1993335.

DISTRIBUTION: **Nearctic**: United States of America (California [Viggia1990299]). **Neotropical**: Puerto Rico & Vieques Island [HayatAy1998] [HuangPo1998]. **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998], Hunan [HuangPo1998], Jiangsu (=Kiangsu) [HuangPo1998], Sichuan (=Szechwan) [HuangPo1998]); India (Assam [Hayat1989a]); Taiwan [HuangPo1998]. **Palearctic**: China [HayatAy1998] [ViggiaLi1990297]; Italy [Viggia1988277]; Spain [HuangPo1998].

Prospaltella aurantii; (Howard); Silvestri, 1929: 902. Misidentification; discovered by Huang & Polaszek, 1998: 1869.

Prospaltella aurantii; (Howard); Silvestri, 1931a: 49-51. Described: female. Illust. Misidentification; discovered by Huang & Polaszek, 1998: 1869.

Coccophagus herndoni Girault, 1935[445]: 3[317]. Type data: China: Foochow [Fuzhou], Changsha, Soochow [Suzhou]. Syntypes, female. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Prospaltella elongata Dozier, 1937: 128-129. Type data: USA: LA, New Orleans. Syntypes. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Synonymy by Noyes, 2001.

Prospaltella elongata; Compere, 1961: 267.

Prospaltella herndoni; (Girault); DeSantis, 1979b: 133-136. Described: female and larva.

Encarsia herndoni; (Girault); Viggiani, 1986[249]: 64-66. Described: both sexes. Illust. Subsequent description.

Encarsia herndoni; (Girault); Viggiani, 1988[277]: 147-149. Described: both sexes. Illust. Subsequent description.

Encarsia elongata; Hayat, 1989a: 47-48. Described: female. Illust. Incorrect synonymy.

Encarsia elongata; Huang, 1994: 215. Described: female and larva. Subsequent description.

Encarsia elongata; Hayat, 1998: 227-228. Described: female. Illust. Subsequent description.

Encarsia (Aurantii) inquirenda (Silvestri)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Aonidiella aurantii* [HuangPo1998], *Chrysomphallus aonidium* [Silves1930, HuangPo1998], *Chrysomphalus dictyospermi* (Morg.) [Viggia1988277, HuangPo1998], *Cornuaspis gloveri* [Silves1930], *Lepidosaphes gloverii* [Silves1930], *Parlatoria oleae* [Silves1930], *Parlatoria pergandii* Comst. [Viggia1988277], *Quadraspidiotus perniciosus* (Comst.) [Viggia1988277], *Unaspis citri* [HuangPo1998].

CITATIONS: Ferrie1965; Hayat1989a; Huang1994 [Tde]; NikolsJa1966; Silves1929 [host cited but species not described.]; Thomps1953; Viggia1988277; ViggiaMa1979144; ViggiaRe1993335; Wu1941.

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998], Hunan [HuangPo1998]). **Palearctic**: Algeria [Ferrie1961]; Italy [Viggia1988277].

Prospaltella inquirenda Silvestri, 1930: 53-55. Type data: People's Republic of China: Guik Su (Fuzhou); Japan: Okitsu. Syntypes, female (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Prospaltella inquirenda; Ferrière, 1961. Described: female. Illust. Subsequent description.

Encarsia inquirenda; Viggiani, 1988[277]: 149. Described: female. Illust. Change of combination.

Encarsia inquirenda; Huang & Polaszek, 1998: 1893-1895. Described: female and larva. Subsequent description.

Encarsia (Aurantii) inserens (Silvestri)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Lepidosaphes gloverii* [Silves1930].

DISTRIBUTION: **Palearctic**: Japan [Silves1930].

Prospaltella inserens Silvestri, 1930: 59-60. Type data: Japan: Itami, Yuasa. Syntypes, female (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia (Aurantii) insulana Hayat

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Aspidiotus* sp. [Hayat1989a].

DISTRIBUTION: **Australasian**: Solomon Islands [Hayat1989b].

Encarsia insulana Hayat, 1989b: 164-165. Type data: Solomon Islands: Guadalcanal, Dodo Creek. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia (Aurantii) intermedia (Ferrière)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Lepidosaphes newsteadi* [Ferrie1965], *Leucaspis loewi* [Ferrie1965], *Leucaspis pini* [Ferrie1965].

DISTRIBUTION: **Palearctic**: France [Ferrie1965]; Germany [Ferrie1961]; Switzerland [Ferrie1961].

Prospaltella intermedia Ferrière, 1961: 264-265. Type data: Switzerland: Valais; France: Mont-Ventoux; Germany: Munich. Syntypes, both sexes, by **present designation**. Type depository: Geneva: Museum d'Historie Naturelle, Switzerland. Described: both sexes.

Prospaltella intermedia; Ferrière, 1965: 159-160. Described: both sexes. Illust. Subsequent description.

Encarsia intermedia; Hayat, 1989a: 11.

Encarsia (Aurantii) ixorae Krishnan & Vasantharaj David

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Dialeurodes ixorae* [HayatAy1998].

DISTRIBUTION: **Oriental**: India (Tamil Nadu [KrishnVa1996]).

Encarsia ixorae Krishnan & Vasantharaj David, 1996: 22. Type data: India: Padappai. Unknown type status female, by **present designation**. Type depository: DAVID COLL.. Described: female. Illust.

Encarsia ixorae; Hayat, 1998: 219-220. Described: female. Subsequent description.

Encarsia (Aurantii) koebelei (Howard)

ASSOCIATIONS: Hosts - *Kermes* [Howard1908a]. HEMIPTERA **Diaspididae**: *Aspidiotus longispina* Morg. [Howard1908a].

CITATIONS: Howard1908a [Dea].

DISTRIBUTION: **Australasian**: Hawaiian Islands [Howard1908a].

Prospaltella koebelei Howard, 1908a: 282. Type data: Hawaii[CHECK]. Syntypes, female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 12162. Described: female.

Prospaltella Koebelei; Mercet, 1912a: 199. Described: female. Subsequent description.

Encarsia koebelei; Hayat, 1989c: 289. Change of combination.

Encarsia (Aurantii) leucaspidis (Mercet)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Leucaspis lowi* [Ferrie1961], *Leucaspis pini* [Ferrie1961], *Leucaspis pusilla* Loew. [Viggia1988277], *Leucaspis signoreti* [Ferrie1961].

DISTRIBUTION: **Palearctic**: France [Ferrie1961]; Hungary [Erdos1958]; Italy [Viggia1988277]; Switzerland [Mercet1912b].

Prospaltella leucaspidis Mercet, 1912a: 213. Type data: Spain: Madrid. Syntypes, both sexes. Type depository: Madrid: Museo Nacional de Ciencias Naturales, Spain. Described: both sexes. Illust.

Prospaltella coniferarum GhesquiÈre, 1948: 296. Described: female. Synonymy by Ferrière, 1961: 257.

Prospaltella leucaspidis; Ferrière, 1961: 257-259. Described: both sexes. Illust. Subsequent description.

Encarsia leucaspidis; Viggiani & Mazzone, 1979[144]: ???. Change of combination.

Encarsia leucaspidis; Viggiani, 1988[277]: 150-152. Described: both sexes. Illust. Subsequent description.

Encarsia leucaspidis; Hayat, 1989a: ??.

Encarsia (Aurantii) minuta Viggiani

DISTRIBUTION: **Afrotropical**: Senegal [Viggiani1989305].

Encarsia minuta Viggiani, 1989[305]: 179-180. Type data: Senegal: Cape Verde Island, S. Jorge. Holotype female, by original designation. Type depository: UNP. Described: female. Illust.

Encarsia (Aurantii) narayanani Agarwal

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae** [HayatAy1998], *Aleurodes hussini* [Hayat1989a]. **Coccidae**: *Rastrococcus iceryoides* Green? [Agarwa1964].

CITATIONS: Hayat1986 [Tc].

DISTRIBUTION: **Oriental**: India (Karnataka [HayatAy1998], Maharashtra [HayatAy1998], Orissa [HayatAy1998], Uttar Pradesh [Agarwa1964]).

Encarsia narayanani Agarwal, 1964: 283-285. Type data: India:Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: female. Illust.

Encarsia narayani; Mani, 1989: 1147. Described: female and larva. Misspelling of species name.

Encarsia narayanani; Hayat, 1989a: 57. Described: female. Illust. Subsequent description.

Encarsia narayanani; Hayat, 1998: 218. Described: female. Illust. Subsequent description.

Encarsia (Aurantii) niigatae (Nakayama)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Pseudaulacaspis pentagona* [Nakaya1921].

DISTRIBUTION: **Oriental**: Taiwan [HuangPo1998]. **Palaeartic**: Japan [Nakaya1921].

Prospaltella niigatae Nakayama, 1921: 99. Type data: Japan: Tookamachi, Niigata-ken. Syntypes, female. Described: female.

Prospaltella niigatae; Silvestri, 1930: 55-57. Described: female. Illust. Subsequent description.

Prospaltella niigatae transiens Silvestri, 1930: 57. Type data: Japan: Nagasaki. Syntypes, female. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust. Synonymy by Noyes, 2001.

Encarsia niigatae; Viggiani & Mazzone, 1979[144]. Described: female and larva. Change of combination.

Encarsia niigatae; Huang & Polaszek, 1998: 1865, 1922-1924. Described: female. Illust. Revived rank.

Encarsia (Aurantii) noyesana Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Guangdong (=Kwangtung) [HuangPo1998]).

Encarsia noyesana Huang & Polaszek, 1998: 1925-1927. Type data: China: Guangdong, Panyu. Holotype female, type designation unknown. Type depository: FAU. Described: female. Illust.

Encarsia (Aurantii) nupta (Silvestri)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Aonidiella aurantii* (Mask.) [Silves1930].

DISTRIBUTION: **Oriental**: Philippines (Luzon [Silves1930]).

Prospaltella nupta Silvestri, 1930: 51-53. Type data: Philippines: Tanauan (Luzon). Syntypes, female (examined).

Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia nupta; Hayat, 1989a: 11, 20. Change of combination.

Encarsia (Aurantii) obtusiclava Hayat

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocanthus spiniferus* [Huang1994]. **Diaspididae**: *Aulacaspis tubercularis*? [Hayat1989a].

CITATIONS: Huang1994 [Tde].

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]); India (Karnataka [Hayat1989a], Uttar Pradesh [Hayat1989a]); Taiwan [HuangPo1998]. **Palaeartic**: China [HayatAy1998].

Encarsia obtusiclava Hayat, 1989a: 55-56. Type data: India: Uttar Pradesh, Sitapur. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 26E. Described: female.

Encarsia obtusiclava; Huang & Polaszek, 1998: 1927-1929. Described: both sexes. Illust. Subsequent description.

Encarsia obtusiclava; Hayat, 1998: 225-226. Described: both sexes. Illust. Subsequent description.

Encarsia (Aurantii) occultans Hayat

ASSOCIATIONS: Host - **Aleyrodidae** [HayatAy1998].

DISTRIBUTION: **Oriental**: India (Bihar [HayatAy1998], Orissa [HayatAy1998], Uttar Pradesh [HayatAy1998]).

Encarsia occultans Hayat, 1998: 217-218. Type data: India: Bihar, Ranchi. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia (Aurantii) olivina (Masi)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurolobus olivinus* Silv. [Masi1910, Masi1911, Viggia1982191], *Aleurolobus wunni* (Ryberg) [Viggia1982191], *Pealius* [Viggia1988277].

CITATIONS: ViggiaMa1979144 [Tcl].

DISTRIBUTION: **Palaeartic**: Italy [Masi1910, Masi1911].

Prospaltella olivina Masi, 1910: 145-147. Type data: Italy: Catanzaro. Holotype female. Type depository: UNP. Described: female.

Prospaltella olivina; Masi, 1911: 145. Described: female. Subsequent description.

Prospaltella olivina; Mercet, 1912a: 207-209. Described: female. Subsequent description.

Encarsia olivina; Viggiani, 1982[191]: 11-13. Described: both sexes. Illust. Change of combination.

Encarsia olivina; Viggiani, 1988[277]: 156-157. Described: both sexes. Illust. Subsequent description.

Encarsia (Aurantii) paradiaspidicola Viggiani

DISTRIBUTION: **Afrotropical**: Senegal [Viggia1989305].

Encarsia paradiaspidicola Viggiani, 1989[305]: 180-182. Type data: Senegal: Cape Verde Island, S. Jorge. Holotype female, by original designation. Type depository: UNP. Described: female. Illust.

Encarsia (Aurantii) perniciosi (Tower)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Aonidiella aurantii* Maskell [Stouth1991, MurdocLuWa1989], *Lepidosaphes ulmi* (L.) [Gordh1979], *Parlatoria acalcarata* M. [HuangPo1998], *Quadraspidotus gigas* [HuangPo1998], *Quadraspidotus perniciosus* (Comst.) [Viggia1988277, Jasnos1973, Stouth1991, RiceJo1982, RiceJo1982, McClaiRoSt1990, MasoodTrBh1989, Masoo]. HYMENOPTERA **Aphelinidae**: *Encarsia perniciosi* Tower [Stouth1991].

CITATIONS: Argyri1981 [Int, Bp, Cc, Bc]; BabcocHeDe2001 [morphological and molecular phylogenetics]; Clause1956; Clause1978; Coplan1976 [Ila, Ov]; DeBach1953 [Co, Int, bc]; DeSant1979a [Tc]; Ferrie1961 [Intm]; Ferrie1965; Flände1953; Gahan1927; Hayat1981a; Hayat1986; Hayat1989a; Hertin1972; Hunter1989b [Ov]; Jasnos1978; ManzarPoBe2002 [molecular phylogenetics.]; MasoodTrBh1989 [Pa, Bc]; MasoodTrBh1989 [Mor, Cc]; MathysGu1965; McClaiRoSt1990 [Dev, Ser, Mod, Ov, Bc]; MurdocLuWa1989 [Pa, Ov]; NarayaRaSu1967 [Bc]; NikolsJa1966; NikolsTr1965 [Tn]; Peck1951; Peck1963 [Tc]; RiceJo1982 [Mor, Hs, Bco]; RiceJo1982 [Pa, Hc, Hs, Po, Bc]; SchmidPo2007a [Da, Ila, Rr]; Singh1961 [Bc]; Stouth1991 [Ka, Int, Em, Ser, Cou., Hc, Hy]; Viggia1989305 [Tky; compared to]; Viggia1990299 [Lbe]; ViggiaRe1993335.

DISTRIBUTION: **Neotropical**: Argentina [DeSant1948a]. **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998], Jiangxi (=Kiangsi) [HuangPo1998], Zhejiang (=Chekiang) [HuangPo1998]); India (Himachal Pradesh [Hayat1989a], Jammu & Kashmir [Hayat1989a], Punjab [Hayat1989a], Uttar Pradesh [Hayat1989a]); Taiwan [HuangPo1998]. **Palaeartic**: China (Heilongjiang (=HeilungKiang) [HuangPo1998], Liaoning [HuangPo1998]); Czechoslovakia [Ferrie1961]; France [Ferrie1961]; Germany [Ferrie1961]. **Palaeartic**: Italy [Viggia1988277]. **Palaeartic**: Russia [Jasnos1973]; Yugoslavia [Ferrie1961].

Prospaltella perniciosi Tower, 1913: 125-126. Type data: USA: Massachusetts, Amherst. Syntypes, both sexes. Type depositories: MSCA, and Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes.

Prospaltella aurantii argentina DeSantis, 1948a: 238-241. Type data: Argentina: Fuerte General Roca. Holotype female, by original designation. Type depository: La Plata: Museo de la Plata, Universidad Nacional de La Plata, Division Entomologia, Argentina. Described: female. Illust. Synonymy by DeSantis, 1979a: 335.

Prospaltella perniciosi Ferrière, 1961: 266-267. Neotype female and larva, by **present designation**. Type depository: Ithaca: Cornell University Insect Collection, Department of Entomology, Cornell University, NY, USA. Described: both sexes. Illust.

Encarsia perniciosi; Viggiani, 1988[277]: 162-163. Described: female. Illust. Change of combination.

Encarsia perniciosi; Hayat, 1989a: 53-54. Described: both sexes. Illust. Subsequent description.

Encarsia perniciosi; Huang & Polaszek, 1998: 1932-1933. Described: both sexes. Illust. Subsequent description.

Encarsia perniciosi; Hayat, 1998: 222-224. Described: both sexes. Illust. Subsequent description.

Encarsia (Aurantii) peruviana (Rust)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Hemichionaspis minor*, *Piannaspis stachani* Cool..

CITATIONS: Rust1913 [Dea].

DISTRIBUTION: **Neotropical**: Peru [Rust1913].

Prospaltella peruviana Rust, 1913: 161-162. Type data: Peru: Macacara. Holotype female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 41386. Described: female.

Encarsia peruviana; Viggiani, 1986[249]: 72-73. Described: female. Illust. Change of combination.

Encarsia peruviana; Hayat, 1989: ?? . Change of combination.

Encarsia (Aurantii) portoricensis Howard

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleuroplatus* sp. [Evans1993], *Aleurothrixus floccosus* (Mask.) [Evans1993], *Aleyrodes* [Howard1907]. **Diaspididae**: *Comstockiella sabalis* Comst.? [Evans1993].

DISTRIBUTION: **Nearctic**: Mexico [Howard1907]; Puerto Rico & Vieques Island [Howard1907].

Encarsia portoricensis Howard, 1907: 77-78. Type data: Puerto Rico: Bayamon. Lectotype female, by subsequent designation Viggiani, 1986b: 73. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 10301. Described: female.

Encarsia portoricensis; Mercet, 1912a: 164. Described: female. Subsequent description.

Encarsia portoricensis; Viggiani, 1986[249]: 73. Described: female. Illust. Subsequent description.

Encarsia (Aurantii) pura Hayat

ASSOCIATIONS: Host - HEMIPTERA **Coccidae**: *Rastrococcus iceryoides*? [Hayat1989a].

DISTRIBUTION: **Oriental**: India (Maharashtra [Hayat1989a]).

Encarsia pura Hayat, 1989a: 54-55. Type data: India: Maharashtra, Kolhapur. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 58E. Described: female. Illust.

Encarsia pura; Hayat, 1998: 218-219. Described: female. Illust. Subsequent description.

Encarsia (Aurantii) sankarani Hayat

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Fiornia theae* [Hayat1989a].

DISTRIBUTION: **Oriental**: India (Assam [Hayat1989a]).

Encarsia sankarani Hayat, 1989a: 45-46. Type data: India: Assam. Holotype female, by original designation. Type depository: London: Natural History Museum, England; type no. 8457. Described: female.

Encarsia sankarani; Hayat, 1998: 224. Described: female. Illust. Subsequent description.

Encarsia (Aurantii) silvestrii Viggiani & Mazzone

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Bemisia*, *Bemisia afer* (Priesner & Hosny), *Bemisia citricola* Gom..

CITATIONS: Hayat1984a [Dea].

DISTRIBUTION: **Palaeartic**: Italy [Viggiani1988277].

Encarsia silvestrii Viggiani & Mazzone, 1979[144]: 48. Type data: Italy: Portici, Palermo ?. Holotype female, by original designation. Type depository: UNP. Described: female.

Encarsia silvestrii; Viggiani, 1988[277]: 163-165. Described: both sexes. Illust. Subsequent description.

Encarsia (Aurantii) smithi (Silvestri)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocanthus citriperdus* Quaintance & Baker [HuangPo1998], *Aleurocanthus husseini*? [Hayat1989a], *Aleurocanthus spiniferus* Q. [Silves1928, HuangPo1998], *Aleurocanthus woglumi* (Ashby)? [Thomps1985, NguyenBrPo1983, NguyenSa1987, Hayat1989a, HuangPo1998], *Bemisia tabaci* (Gennadius)? [HayatAy1998]. HYMENOPTERA **Aphelinidae**: *Encarsia opulenta* Silvestri [NguyenBrPo1983, NguyenSa1987], *Encarsia smithi* Silvestri [NguyenSa1987].

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics]; ChienCh1986; DeSant1979a [Tc]; Flande1969; Huang1994 [Tde]; KrishnUs1954; LiaoLiPa1987; LinWeTa1975; ManzarPoBe2002 [molecular phylogenetics.]; NguyenBrPo1983 [Pa, Ov, Hc, Hy, Bco, Po]; NguyenSa1987 [Dea, Ila, Ili, Sed, Int, Fe, Hc, Hy, Po]; PruthiSa1942; Ren1988; Samuel1950; Shafee1973; Thomps1953; Thomps1985 [Mor, Bc]; ViggiaRe1993335; Wu1941.

DISTRIBUTION: **Nearctic**: Mexico [HayatAy1998]. **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998], Guangxi (=Kwangsi) [HuangPo1998], Hunan [HuangPo1998],

Sichuan (=Szechwan) [HuangPo1998], Zhejiang (=Chekiang) [HuangPo1998]; Hong Kong [Silves1928]; India (Maharashtra [Hayat1989a]); Macau [HuangPo1998]; Maldives [HuangPo1998]; Pakistan [Huang1994]; Taiwan [HayatAy1998]. **Palaearctic:** China [HayatAy1998]; Japan [HayatAy1998].

Prospaltella smithi Silvestri, 1926: 179-182. Type data: China: Canton [Guangdong]. Syntypes, both sexes (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: both sexes. Illust.

Prospaltella Smithi; Silvestri, 1928: 20-23. Described: both sexes. Illust. Subsequent description.

Encarsia smithi; Viggiani & Mazzone, 1979[144]: 45. Described: female and larva. Change of combination.

Encarsia smithi; Hayat, 1986: 163. Described: female and larva. Change of combination.

Encarsia smithi; Huang & Polaszek, 1998: 1949-1950. Described: both sexes. Illust. Subsequent description.

Encarsia smithi; Hayat, 1998: 221-222. Described: female. Illust. Subsequent description.

Encarsia (Aurantii) swifti (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian:** Australia (Queensland [Giraul1915238]).

Coccophagus swifti Girault, 1915[238]: 50, 57. Type data: Australia: QLD, Gordonvale (Cairns). Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2929. Described: female.

Prospaltella swifti; Compere, 1931: 11. Change of combination.

Encarsia swifti; Viggiani, 1985[233]: 249-250. Described: female. Illust. Change of combination.

Coccophagus swifti; Dahms, 1986: 576.

Encarsia (Aurantii) tennysoni (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian:** Australia (Queensland [Giraul1931435]).

Coccophagus tennysoni Girault, 1931[435]: 3[282]. Type data: Australia: QLD, Nelson [=Gordonvale]. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.3876. Described: female.

Encarsia tennysoni; Viggiani, 1985[233]: 251-252. Described: female. Illust. Change of combination.

Coccophagus tennysoni; Dahms, 1986: 581.

Encarsia (Aurantii) trivittata Hayat

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae:** *Aleurolobus* [Hayat1989a].

DISTRIBUTION: **Oriental:** India (Uttar Pradesh [Hayat1989a]).

Encarsia trivittata Hayat, 1989a: 59-60. Type data: India: Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 148E. Described: female. Illust.

Encarsia trivittata; Hayat, 1998: 226-227. Described: female. Illust. Subsequent description.

Encarsia (Citrella) Evans & Polaszek

Encarsia (Citrella) Evans & Polaszek, 1997: 565.

CITATIONS: EvansPo1997.

Encarsia (Citrella) citrella (Howard)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae:** *Aleuroplatus coronatus* Quaint. [Howard1908a, Howard1911, EvansPo1997], *Aleuroplatus elemerae* Mound & Halsey [EvansPo1997], *Bemisia tabaci* complex [EvansPo1997], *Tetraleurodes ursorum* (Cockerell) [EvansPo1997].

CITATIONS: Howard1908a [Dea]; Howard1911 [Hc].

DISTRIBUTION: **Nearctic:** United States of America (Florida [Howard1908a]). **Neotropical:** Honduras [EvansPo1997].

KEYS: Evans & Polaszek 1997: 565 [*citrella* complex].

Prospaltella citrella Howard, 1908a: 282-283. Type data: USA: FL, Orlando. Syntypes, female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 12164. Described: female.

Prospaltella citrella; Mercet, 1912a: 186-187. Described: female. Subsequent description.

Encarsia citrella; Evans & Polaszek, 1997: 566-567. Described: both sexes. Illust. Change of combination.

Encarsia (Citrella) paracitrella Evans & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* complex [EvansPo1997], *Tetraleurodes acaciae* [EvansPo1997].

DISTRIBUTION: **Neotropical**: Mexico (Quintana Roo [EvansPo1997]).

KEYS: Evans & Polaszek 1997: 566 [*citrella* complex].

Encarsia paracitrella Evans & Polaszek, 1997: 567. Type data: Mexico: Quintana Roo, Tulum. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia (Citrella) pseudocitrella Evans & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* complex [EvansPo1997], *Crenidorsum* sp. [EvansPo1997], *Parabemisia myricae* (Kuwana) [EvansPo1997].

DISTRIBUTION: **Neartic**: United States of America (Florida [EvansPo1997]). **Neotropical**: Brazil [EvansPo1997]; Costa Rica [EvansPo1997]; Guatemala [EvansPo1997]; Honduras [EvansPo1997].

KEYS: Evans & Polaszek 1997: 566 [*citrella* complex].

Encarsia pseudocitrella Evans & Polaszek, 1997: 567-568. Type data: USA: Florida, Clewiston. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

Encarsia (Citrella) unicitrella Evans & Polaszek

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *aleyrodid* [EvansPo1997].

DISTRIBUTION: **Neartic**: Mexico (Guerrero [EvansPo1997]).

KEYS: Evans & Polaszek 1997: 565 [*citrella* complex].

Encarsia unicitrella Evans & Polaszek, 1997: 568-570. Type data: Mexico: Guerrero, 6.6 miles SW Filo de Caballo. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

Encarsia (Citrina) Viggiani & Mazzone

Aspidiotiphagus Howard, 1894a: 229. Type species: *Coccophagus citrinus* Craw, by original designation.

Synonymy by Viggiani & Mazzone, 1979[144]: 44.

Prospaltooides BrËthes, 1914: 12. Type species: *Prospaltooides howardi* BrËthes, by original designation. Synonymy by BrËthes, 1916: 429.

Aspidiotiphagus (Paraspidiotiphagus) Alam, 1956: 359. Type species: *Aspidiotiphagus flavus* Compere, by original designation. Synonymy by Viggiani & Mazzone ??, 1979[144]: 44.

Encarsia (Citrina) Viggiani & Mazzone, 1979[144]: 47.

Aspidiotiphagus; Rose & DeBach, 1981: 670-677. Subsequent description.

Encarsia (Citrina); Hayat, 1989: 10.

Encarsia (Citrina) citrina (Craw)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurotrachelus micheliae* Takahashi? [HuangPo1998], *Hemiberlesia minima* Leon? [Viggia196725]. **Diaspididae**: *Acaulaspis tubercularis* [HayatAy1998], *Aonidia lauri* (BouchË), *Aonidiella* sp. [Viggia1990299], *Aonidiella orientalis* [HayatAy1998], *Aspidiotus* [Howard1895b], *Aspidiotus citrinus* Coquillett [Craw1891a], *Aspidiotus cyanophylli* Sign. [Alam1956], *Aspidiotus destructor* Sign. [McClur1978], *Aspidiotus ficus* [Howard1895b], *Aspidiotus hedericola* Leon. [Viggia1988277], *Aspidiotus nerii* BouchË [Viggia1988277], *Aspidiotus nertii* Bch. [McClur1978], *Aspidiotus Aurantii* var. *citrinus* Maskell [Howard1895b], *Aucalaspis tubercularis* [Hayat1989a], *Aulacaspis rosae* (BouchË) [Viggia196725], *Chionaspis* sp., *Chionaspis aspidistrae* [Vanbur1915], *Chionaspis graminis* [Hayat1989a], *Cornusapis beekii* (Newman) [Hayat1989a], *Diaspis lanatus* [Howard1895c], *Diaspis pentagona* [Brethe1914], *Diaspis rosae* [Howard1895b], *Diaspis visci* (Schr.) L'w. [Ghesqu1933], *Dynaspidiotus* sp. [Viggia1990299], *Dynaspidiotus britanicus* Newst. [McClur1978], *Fiorinia externa* Ferris [McClur1978], *Lepidosaphes pallidula* (Williams) [PolaszAb1999], *Lepidosaphes taplevi* Williams [PolaszAb1999], *Lepidosaphes ulmi* L., *Lepidosaphes ulmi* (Linn.) [Alam1956], *Parlatoria pergandii* Comst. [Viggia1988277], *Parlatoria ziziphi* (Lucas), *Quadraspidotus ostraeformis* (Curtis), *Quadraspidotus perniciosus* [HayatAy1998], *Tsugaspidotus tsugae* Marlott [McClur1978], *Unaspis euonymi* (Comst.) [Viggia1988277].

CITATIONS: Ashmea1904238; Ayyar1925; BabcoHeDe2001 [morphological and molecular phylogenetics];

Comper1936 [Tct]; DeBachRo1981 [No, Ila, Hc]; DeBachRo1981 [Dea, Tn]; DeSant1979b; Gordh1979 [Ca]; Hayat1986 [Tc]; Hertin1972; Howard1894a [Dea]; Howard1895c [Rr]; Howard1898; HowardAs1896 [Rr]; Huang1994 [Tde]; Jasnos1978; KaulSa1974 [Dr]; LiangCh1990; LiaoLiPa1987; Lu1989; Mani1938; ManzarPoBe2002 [molecular phylogenetics.]; McClur1978 [Ila, Dev, Em, Pa, Ho, Ov, Bc]; Mercet1930b; NikolsJa1966; Peck1963 [Tc]; PruthiMa1940 [Rr]; Ren1988; SchmidPo2007a [Da, Ila, Rr]; Sheng1989; Viggia1988277 [Tde]; Viggia1993338 [Cco, Iec, Lhi, Rng]; ViggiaRe1993335.

DISTRIBUTION: **Nearctic:** United States of America (California [Comper1936, Craw1891a], Illinois [Howard1895b]). **Neotropical:** Argentina [Brethe1914, DeSant1948a]; Brazil [Mercet1912a]. **Oriental:** China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998], Jiangsu (=Kiangsu) [HuangPo1998], Jiangxi (=Kiangsi) [HuangPo1998], Shanghai [HuangPo1998], Sichuan (=Szechwan) [HuangPo1998], Zhejiang (=Chekiang) [HuangPo1998]); India (Jammu & Kashmir [Hayat1989a], Karnataka [Hayat1989a], Kerala [HayatAy1998]); Sri Lanka [Howard1895c]; Taiwan [HuangPo1998]. **Palaeartic:** Belgium [Ghesqu1933]; Egypt [PolaszAb1999]; Germany [Vanbur1915]; Italy [Howard1895b]; Spain [Mercet1912a]; United Kingdom (England [Alam1956]).

Encarsia citrinus; Riley & Howard, 1891: 168. Described: female and larva. Change of combination.

Coccophagus citrinus Craw, 1891: 25,28. Type data: USA: CA, San Gabriel Valley [lost]. Neotype female, by subsequent designation DeBach & Rose, 1981: 671. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Aspidiotiphagus citrinus; Howard, 1894a: 229-231. Described: female and larva. Change of combination.

Aspidiotiphagus citrinus; Howard, 1895b: 31. Described: female. Illust. Change of combination.

Aspidiotiphagus citrinus; Mercet, 1912a: 173-175. Described: female. Illust. Subsequent description.

Aspidiotiphagus australiensis Girault, 1913[158]: 74. Type data: Australia: Queensland, Nelson (=Gordonvale, Cairns). Holotype female. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female. Synonymy by Hayat, 1989c: 289.

Prospaltoides howardi BrÈthes, 1914: 13. Type data: Argentina. Syntypes, female, by **present designation**. Type depository: ???. Described: female. Illust. Synonymy by BrÈthes, 1916: 429.

Aspidiotiphagus schoeversii Smits van Burgst, 1915: 292-295. Type data: Germany. Syntypes, female. Described: female. Synonymy by Mercet, 1930: 69.

Encarsia citrinus agilior Berlese & Paoli, 1916: 10. Described: unknown. Synonymy by Noyes, 2001.

Encarsia citrina; Malenotti, 1917: 20. Change of combination.

Aspidiotiphagus Severiniellus GhesquiÈre, 1933: 346-348. Type data: Belgium: AnhÈe. Syntypes, female. Type depository: Brussels: Institut Royal des Sciences Naturelles de Belgique, Collections nationales belges d'insectes et d'arachnides, Belgium. Described: female. Illust. Synonymy by ??????.

Aspidiotiphagus citrinus agilior; Compere, 1936: 299-300. Described: male. Illust. Subsequent description.

Aspidiotiphagus citrina; De Santis, 1948a: 225-231. Described: both sexes. Illust. Subsequent description.

Aspidiotiphagus silwoodensis Alam, 1956: 360-362. Type data: England: Silwood Park. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Synonymy by Ferrière, 1965: 140.

Aspidiotiphagus cyanophylli Alam, 1956: 362-363. Type data: England: London, Kew Gardens. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust. Synonymy by Ferrière, 1965: 149.

Encarsia citrina; Viggiani, 1988[277]: 136-137. Described: female. Illust. Subsequent description.

Encarsia citrina; Hayat, 1989a: 27-28. Described: both sexes. Illust. Subsequent description.

Encarsia citrina; Huang & Polaszek, 1998: 1858-1860. Described: female. Illust. Subsequent description.

Encarsia citrina; Hayat, 1998: 189-190. Described: female. Illust. Subsequent description.

Encarsia citrina; Polaszek, Abd-Rabou and Huang, 1999: 141. Illust. Subsequent description.

***Encarsia (Citrina) curtifuniculata* Huang & Polaszek**

DISTRIBUTION: **Oriental:** China (Fujian (=Fukien) [HuangPo1998]).

Encarsia curtifuniculata Huang & Polaszek, 1998: 1862-1863. Type data: Pr China: Fujian, Shanghang, Qiushan. Holotype female, by **present designation**. Type depository: FAU. Described: female. Illust.

***Encarsia (Citrina) flava* (Compere)**

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae:** *Chionaspis margaritae* Brain [Comper1936].

CITATIONS: DeBachRo1981 [Dea, Ila].

DISTRIBUTION: **Afrotropical:** South Africa [Comper1936].

Aspidiotiphagus flavus Compere, 1936: 300-302. Type data: South Africa: Cape Province, Camp's Bay. Syntypes, female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia flava; Viggiani & Mazzone, 1979[144]: ?? . Described: female and larva. Change of combination.

Encarsia (Citrina) fuscus Compere

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Chionaspis chaetachme* [Comper1936].

DISTRIBUTION: **Afrotropical**: South Africa [Comper1936].

Encarsia fuscus Compere, 1936: 296. Type data: South Africa: Natal, Durban. Syntypes, female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia (Citrina) gracilens Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia gracilens Huang & Polaszek, 1998: 1887-1888. Type data: China: Fujian, Fuzhou. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Citrina) kemneri (Ahlberg)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Aspidiotus hederæ* Vall [Ahlber1947].

DISTRIBUTION: **Palaeartic**: Sweden [Ahlber1947].

Aspidiotiphagus kemneri Ahlberg, 1947: 116. Type data: Sweden?. Holotype female. Described: female. Illust.

Encarsia kemneri; Hayat, 1989: 288. Described: female and larva. Change of combination.

Encarsia (Citrina) latipennis Compere

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Aspidiotus hederæ* (Vallot) [Comper1936], *Chionaspis margaritiae* Brain [Comper1936], *Chrysomphalus aonidium* (Linn.) [Comper1936].

CITATIONS: DeBachRo1981 [Ila].

DISTRIBUTION: **Afrotropical**: South Africa [Comper1936].

Encarsia latipennis Compere, 1936: 302. Type data: South Africa: Cape Province, Camp's Bay, Ronderbosche & Claremont. Syntypes, female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia latipennis; Viggiani & Mazzone, 1979[144]: ?? . Change of combination.

Encarsia (Citrina) lounsburyi (Berlese & Paoli)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Aonidia lauri* (BouchÉ) [Viggia1988277], *Aonidiella* sp. [Viggia1990299], *Aonidiella aurantii* [HuangPo1998], *Aulacaspis* sp. [Viggia1990299], *Carulaspis aonidium* [Peck1963], *Carulaspis visci* [Peck1963], *Chionaspis* sp. [Viggia1990299], *Chrysomphalus* sp. [Peck1963], *Chrysomphalus dictyospermi* Morg. [BerlesPa1916], *Cornuaspis beckii* [Peck1963], *Dynaspidiotus* sp. [Viggia1990299], *Hemiberlesia* sp. [Ren1988], *Lepidosaphes* sp. [Viggia1990299], *Parlatoria* sp. [Viggia1990299], *Parlatoria proteus* (Curtis) [PolaszAb1999], *Parlatoria ziziphi* [HuangPo1998], *Quadraspidotus* sp. [Viggia1990299], *Unaspis* sp. [Viggia1990299].

CITATIONS: Alam1956; Berles1916; Comper1936; DeBachRo1981 [Ila, Hc]; Ferrie1965; Flande1953; Hayat1989a; Hertin1972; Huang1994 [Tde]; NikolsJa1966; Paoli1926; SchmidPo2007a [Da, Ila, Rr]; Silves1926; Thomps1953; ViggiaMa1979144; ViggiaRe1993335.

DISTRIBUTION: **Neotropical**: Argentina [DeSant1948a]. **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998], Sichuan (=Szechwan) [HuangPo1998]); Taiwan [HuangPo1998].

Palaeartic: Egypt [PolaszAb1999]; Italy [Viggia1988277].

KEYS: Mercet 1930: 69 (female) [as *Aspidiotiphagus*].

Aspidiotiphagus lounsburyi; Berlese, 1916: 12-13. Described: female and larva. Change of combination.

Prospalta lounsburyi Berlese & Paoli, 1916: 305. Type data: Italy: Portici. Syntypes, female. Type depository: ISZA?. Described: female.

Aspidiotiphagus lounsburyi; Dozier, 1926: 275-277. Subsequent description.

Aspidiotiphagus lounsburyi; De Santis, 1948a: 231-233. Described: female. Subsequent description.

Hispaniella africana Hill, 1970: 97-99. Unknown type status. Synonymy by Subba Rao, 1984.

Encarsia lounsburyi; Viggiani, 1988[277]: 153. Described: female. Illust. Subsequent description.

Encarsia lounsburyi; Huang & Polaszek, 1998: 1909-1910. Described: female. Illust. Subsequent description.

Encarsia lounsburyi; Polaszek, Abd-Rabou and Huang, 1999. Illust. Subsequent description.

Encarsia (Citrina) pinella Myartseva

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Melanaspis* [Myarts2001].

DISTRIBUTION: **Nearctic**: Mexico (Tamaulipas [Myarts2001]).

Encarsia pinella Myartseva, 2001: 13-. Type data: Mexico: Tamaulipas. Holotype female, by original designation.

Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

Encarsia (Coryli) Viggiani

Encarsia (Coryli) Viggiani, 1981[175]: 69.

No species found.

Encarsia (Cubensis) Polaszek et al 1992

Encarsia (Cubensis) Polaszek et al 1992, 1992: 386.

Encarsia (Cubensis) aleurothrixi Evans & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurothrixus aepium* [EvansPo1998], *Aleurothrixus floccosus* [EvansPo1998].

DISTRIBUTION: **Neotropical**: Brazil (Sao Paulo [EvansPo1998]).

KEYS: Evans & Polaszek 1998 [*cubensis*-group].

Encarsia aleurothrixi Evans & Polaszek, 1998: 224-226.. Type data: Brazil: Aguas de Sao Paulo. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia (Cubensis) cubensis Gahan

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurothrixus floccosus* (Maskell) [Dozier1933a, Gahan1931], *Aleurothrixus howardi* (Quaint.), *Aleurothrixus trachoides* (Back) [EvansPo1998].

CITATIONS: DeBachRo1981 [No].

DISTRIBUTION: **Nearctic**: United States of America (Florida [EvansPo1998]). **Neotropical**: Brazil [EvansPo1998]; Cuba [Gahan1931]; Dominican Republic [EvansPo1998]; Guadeloupe [EvansPo1998]; Haiti [EvansPo1998]; Puerto Rico & Vieques Island [EvansPo1998].

KEYS: Evans & Polaszek 1998 [*cubensis*-group].

Encarsia cubensis Gahan, 1931: 121-122. Type data: Cuba: Santiago de las Vegas. Syntypes, female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 43530. Described: female.

Trichoporus cubensis; Dozier, 1933a: 92. Change of combination.

Encarsia cubensis; Evans & Polaszek, 1998: 226.. Illust. Subsequent description.

Encarsia (Cubensis) hamoni Evans & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* complex [EvansPo1998], *Tetraleurodes ursorum* (Cockerell) [EvansPo1998].

DISTRIBUTION: **Nearctic**: Mexico (Sinola [EvansPo1998]); United States of America (Florida [EvansPo1998], Georgia [EvansPo1998]).

KEYS: Evans & Polaszek 1998 [*cubensis*-group].

Encarsia hamoni Evans & Polaszek, 1998: 227. Type data: USA: Florida, Davie. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia (Cubensis) hansonii Evans & Polaszek

DISTRIBUTION: **Neotropical**: Costa Rica [EvansPo1998].

KEYS: Evans & Polaszek 1998 [*cubensis*-group].

Encarsia hansonii Evans & Polaszek, 1998: 227-228. Type data: Costa Rica: La Selva. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

Encarsia (Cubensis) interstrica Huang & Polaszek

DISTRIBUTION: **Oriental:** China (Fujian (=Fukien) [HuangPo1998]).

Encarsia interstrica Huang & Polaszek, 1998: 1895-1896. Type data: China: Fuzhou, Jinshan. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Cubensis) nigricephala Dozier

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae:** *Aleurodicus dispersus* Russell [EvansPo1998], *Aleurotrachelus atratus* Hempel [EvansPo1998], *Bemisia argentifolia* Bellows & Perring [EvansPo1998], *Bemisia euphorbiae* [?tabaci], *Bemisia tabaci* (Gennadius) [PolaszEvBe1992, SchmidNaDe2001], *Crenidorsum* sp. [EvansPo1998], *Dialeurodes kirkaldyi* (Kotinsky) [EvansPo1998], *Tetraleurodes abutiloneus* (Haldeman) [EvansPo1998], *Tetraleurodes acaciae* (Quaintance) [EvansPo1998], *Tetraleurodes floridensis* (Quaintance) [EvansPo1998], *Trialeurodes vaporariorum* [PolaszEvBe1992].

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics]; ManzarPoBe2002 [molecular phylogenetics].

DISTRIBUTION: **Afrotropical:** Nauru [SchmidNaDe2001]; Reunion [PolaszEvBe1992]. **Australasian:** French Polynesia [SchmidNaDe2001]. **Nearctic:** Mexico [PolaszEvBe1992]; United States of America (Florida [PolaszEvBe1992], Georgia [EvansPo1998], Maryland [EvansPo1998], Texas [EvansPo1998]). **Neotropical:** Barbados [PolaszEvBe1992]; Brazil [PolaszEvBe1992]; Colombia [PolaszEvBe1992]; Ecuador [EvansPo1998]; Grenada [PolaszEvBe1992]; Guadeloupe [PolaszEvBe1992]; Guatemala [PolaszEvBe1992]; Honduras [PolaszEvBe1992]; Jamaica [PolaszEvBe1992]; Puerto Rico & Vieques Island [PolaszEvBe1992]; Venezuela [EvansPo1998] [PolaszEvBe1992].

KEYS: Schmidt et al. 2001: 372 [Australia.]; Evans & Polaszek 1998 [*cubensis*-group].

Encarsia nigricephala Dozier, 1937: 129. Type data: Puerto Rico: Mayaguez. Holotype female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 51607. Described: female.

Encarsia nigricephala; Polaszek et al, 1992: 386. Described: both sexes. Illust. Subsequent description.

Encarsia nigricephala; Evans & Polaszek, 1998: 228-230. Illust. Subsequent description.

Encarsia nigricephala; Schmidt et al., 2001: 381. Illust. Subsequent description.

Encarsia (Cubensis) quaintancei Howard

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae:** *Aleurothrixus floccosus* [PolaszEvBe1992], *Aleyrodes*, *Bemisia tabaci* [PolaszEvBe1992], *Trialeurodes* [PolaszEvBe1992], *Trialeurodes abutiloneus* [PolaszEvBe1992].

CITATIONS: DeBachRo1981 [No]; Dysart1966 [Lhi].

DISTRIBUTION: **Nearctic:** Mexico [PolaszEvBe1992]; United States of America (District of Columbia [PolaszEvBe1992], Florida [PolaszEvBe1992], Illinois [PolaszEvBe1992], Louisiana [EvansPo1998], Maryland [EvansPo1998], Mississippi [EvansPo1998]). **Neotropical:** Brazil [EvansPo1998]; El Salvador [EvansPo1998]; Guadeloupe [PolaszEvBe1992]; Jamaica [PolaszEvBe1992]; Puerto Rico & Vieques Island [PolaszEvBe1992]; Venezuela [PolaszEvBe1992].

KEYS: Evans & Polaszek 1998: 224 [*cubensis*-group].

Encarsia quaintancei Howard, 1907: 79. Type data: USA: DC. Holotype female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female.

Prospaltella perspicuipennis Girault, 1910[69]: 234-236. Type data: USA: IL, Centralia. Lectotype female, by subsequent designation Viggiani, 1986: 71. Type depository: Champaign: Illinois Natural History Survey Insect Collection, IL, USA; type no. 41679. Described: female. Synonymy by Polaszek et al, 1992: 387.

Prospaltella perspicuipennis; Mercet, 1912: a. Described: female. Subsequent description.

Encarsia Quaintancei; Mercet, 1912a: 164-165. Described: female. Subsequent description.

Encarsia perspicuipennis; Viggiani, 1986[249]: 71. Described: female. Illust. Change of combination.

Encarsia quaintancei; Polaszek et al, 1992: 387-388. Described: both sexes. Illust. Subsequent description.

Encarsia quaintancei; Evans & Polaszek, 1998: 230-232. Illust. Subsequent description.

Encarsia (Divergens) Huang & Polaszek

Encarsia (Divergens) Huang & Polaszek, 1998.

Encarsia (Divergens) affectata (Silvestri)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Lepidosaphes* [Silves1930].

CITATIONS: Silves1930; Wu1941 [Ca].

DISTRIBUTION: **Oriental**: China (Yunnan [Silves1930]).

Prospaltella affectata Silvestri, 1930: 66-68. Type data: People's Republic of China: Yunnanfu; Tonkino: Tanh-Hoa.

Syntypes, female (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy.

Described: female. Illust.

Encarsia affectata; Hayat, 1989a. Described: unknown. Change of combination.

Encarsia affectata; Viggiani & Ren, 1993[335]: 227. Described: female and larva. Subsequent description.

Encarsia affectata; Huang & Polaszek, 1998: 1837-1839. Described: female. Illust. Subsequent description.

Encarsia (Divergens) phaea Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia phaea Huang & Polaszek, 1998: 1936-1937. Type data: China: Fujian, Shanghang, Qiushan. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Duorunga) Hayat

Encarsia (Duorunga) Hayat, 1989a: 11.

Encarsia (Duorunga) brevivalvula Hayat

DISTRIBUTION: **Oriental**: India (Uttar Pradesh [Hayat1989a]).

Encarsia brevivalvula Hayat, 1989a: 41-42. Type data: India: Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 151E. Described: female.

Encarsia brevivalvula; Hayat, 1998: 207-208. Described: female. Illust. Subsequent description.

Encarsia (Duorunga) duorunga Hayat

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* (Gennadius [HuangPo1998]).

DISTRIBUTION: **Oriental**: India (Uttar Pradesh [Hayat1989a]); Taiwan [HayatAy1998, HuangPo1998].

Encarsia duorunga Hayat, 1989a: 40-41. Type data: India: Uttar Pradesh. Holotype female. Type depository:

Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 268E. Described: female.

Encarsia mohyuddini; Chou, Chou & Ko, 1996. Described: female and larva. Misidentification; discovered by Huang & Polaszek, 1998: 1865.

Encarsia duorunga; Hayat, 1998: 207. Described: female. Illust. Subsequent description.

Encarsia (Duorunga) mohyuddini Shafee & Rivzi

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* (Gennadius) [ShafeeRi1982].

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]); Pakistan [PolaszEvBe1992, ShafeeRi1982].

Encarsia mohyuddini Shafee & Rivzi, 1982: 157. Type data: Pakistan: Charsadda. Holotype female. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: female.

Encarsia mohyuddini; Polaszek et al, 1992: 386. Subsequent description.

Encarsia mohyuddini; Huang & Polaszek, 1998: 1918-1919. Described: female. Illust. Subsequent description.

Encarsia (Elegans) Hayat

Encarsia (Elegans) Hayat, 1989: 11.

Encarsia (Elegans) chaetogastra Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Dumbletoniella* sp. [new].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia chaetogastra Schmidt & Polaszek, 2007a: 2148-2149. Type data: SchmidPo2007a. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Elegans) collecta Chou & Su

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Parabemisia myricae* (Kuwana) [ChouChKo1996].

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]); Taiwan [ChouChKo1996].

Encarsia collecta Chou & Su, 1996: 139-141. Type data: Taiwan: Taipei, Fushan. Holotype female, by original

designation. Type depository: Taichung: Taiwan Agricultural Research Institute, Entomology Collection, Taiwan. Described: female. Illust.

Encarsia collecta; Huang & Polaszek, 1998: 1860-1862. Described: female. Illust. Subsequent description.

Encarsia (Elegans) despecta Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleurocanthus* sp. [new].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia despecta Schmidt & Polaszek, 2007a: 2158-2159. Type data: Australia: QLD, Brisbane, Longpocket. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.

Encarsia (Elegans) elegans Masi

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocanthus(?) husaini* [HuangPo1998], *Aleurolobus marlatti* [HuangPo1998], *Aleurolobus niloticus* [PolaszAb1999], *Aleurolobus olivinus* (Silv.), *Aleurolobus orientalis* [Hayat1989c], *Aleurolobus rhododendri* [HuangPo1998], *Aleurolobus sp. near niloticus* [Hayat1989a], *Siphoninus* [HuangPo1998]. **Diaspididae**: *Aonidiella orientalis?* [HayatAy1998], *Chloropulvinaria?* [Hayat1989a], *Siphoninus* [Hayat1989a].

CITATIONS: ChouChKo1996; Huang1994; HuangPo1998.

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]); India (Bihar [Hayat1989c]); Pakistan [Hayat1989c]; Taiwan [HayatAy1998]. **Palaeartic**: Egypt [PolaszAb1999]; Italy [Masi1911].

Encarsia elegans Masi, 1911: 147. Type data: Italy: Massafra [Catanzaro in Huang & Polaszek 1998]. Holotype female. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female.

Encarsia elegans; Mercet, 1912a: 156-158. Described: female. Illust. Subsequent description.

Encarsia elegans; Viggini, 1985[232]: 84-85. Described: both sexes. Illust. Subsequent description.

Encarsia elegans; Viggiani, 1988[277]: 140. Described: female. Illust. Subsequent description.

Encarsia bifasciatafacies Hayat, 1989a: 58-59. Type data: India: Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 284E. Described: female. Synonymy by Huang & Polaszek, 1998: 1867.

Encarsia elegans; Huang & Polaszek, 1998: 1867-1869. Described: both sexes. Illust. Subsequent description.

Encarsia bifasciatafacies; Hayat, 1998: 216-217. Described: both sexes. Illust. Subsequent description.

Encarsia elegans; Polaszek, Abd-Rabou and Huang, 1999: 144-146. Illust. Subsequent description.

Encarsia (Elegans) exornata Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia exornata Huang & Polaszek, 1998: 1871-1873. Type data: China: Fujian, Shanghang, Quishan. Holotype female, by original designation. Type depository: FUJ. Described: male. Illust.

Encarsia (Elegans) microtricha Huang & Polaszek

CITATIONS: HuangPo1998.

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia microtricha Huang & Polaszek, 1998: 1916-1918. Type data: China: Fujian, Shanghang, Quishan.

Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Flavoscutellum) Evans & Polaszek

Encarsia (Flavoscutellum) Evans & Polaszek, 1995: 34.

KEYS: Evans & Polaszek 1995: 34 (adult).

Encarsia (Flavoscutellum) ceratiphivora Evans

ASSOCIATIONS: Hosts - HEMIPTERA **Aphididae**: *Cerataphis brasiliensis* [EvansPoBe1995], *Reticulaphis distylii fici* Takahashi [ChouChKo1996].

CITATIONS: ChouChKo1996.

DISTRIBUTION: **Oriental**: Taiwan [HuangPo1998]; Thailand [EvansPoBe1995].

KEYS: Evans et al. 1995: 34 [*flavoscutellum*-group].

Encarsia ceratiphivora Evans, 1995: 37. Type data: Thailand: Chiang Mai, Doi Suthep. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia ceratiphivora; Huang & Polaszek, 1998: 1853-1854. Described: both sexes. Illust. Subsequent description.

Encarsia (Flavoscutellum) flavoscutellum Zehntner

ASSOCIATIONS: Hosts - HEMIPTERA **Hormaphididae**: *Astegopteryx nipae* (van der Goot) [HuangPo1998], *Oregma* (= *Ceratovacuna*) *lanigera* [Zehntn1900].

CITATIONS: Hayat1998 [Tn]; Hertin1972; Thomps1953.

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998]); India (Assam [HayatAy1998]); Indonesia [HayatAy1998] [HuangPo1998] (Java [Zehntn1896]); Taiwan [HuangPo1998].

KEYS: Evans et al. 1995: 34 [*flavoscutellum*-group].

Encarsia flavoscutellum Zehntner, 1900: 12. Type data: Indonesia: Java [neotype: Java, Pasoerean. Neotype female, by subsequent designation Evans, Polaszek & Bennett, 1995: 34. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes.

Encarsia flavoscutellum; Evans & Polaszek, 1995: 34-35. Described: both sexes. Illust. Change of combination.

Encarsia flavoscutellum; Huang & Polaszek, 1998: 1877-1879. Described: female. Illust. Subsequent description.

Encarsia flavoscutellum; Hayat, 1998: 214. Described: both sexes. Illust. Subsequent description.

Encarsia (Flavoscutellum) noordami Polaszek

KEYS: Evans et al. 1995: 34 [*flavoscutellum*-group].

Encarsia noordami Polaszek, 1995.

Encarsia (Flavoscutellum) thoracaphis Ishii

ASSOCIATIONS: Host - HEMIPTERA **Aphididae**: *Thoracaphis takahashii* Strand [Ishii1938].

DISTRIBUTION: **Palaeartic**: Japan [Ishii1938].

KEYS: Evans et al. 1995: 34 [*flavoscutellum*-group].

Encarsia thoracaphis Ishii, 1938: 28-29. Type data: Japan: Nagasaki. Lectotype female, by subsequent designation Evans, Polaszek & Bennett, 1995a: ?? . Type depository: NIAS. Described: female.

Encarsia (Inaron) Hayat

Encarsia (Partenoepa) Viggiani and Mazzone, 1979[144]: 45. Synonymy by Hayat, 1989: 10.

Encarsia (Inaron) Hayat, 1989: 10.

Encarsia (Inaron); Polaszek et al, 1993: 381.

Encarsia (Inaron) accenta Schmidt & Naumann

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Bemisia* sp. [SchmidNaDe2001].

CITATIONS: SchmidPo2007a [da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (New South Wales [SchmidNaDe2001], South Australia [SchmidNaDe2001]).

KEYS: Schmidt et al. 2001: 374 [Australia].

Encarsia accenta Schmidt & Naumann, 2001: 371. Type data: Australia: South Australia, Renmark. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.

Encarsia (Inaron) adusta Schmidt and Naumann

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* (Gennadius) [SchmidNaDe2001],

Lipaleyrodes sp. [SchmidNaDe2001], *Trialeurodes vaporariorum* (Westwood) [SchmidNaDe2001].

CITATIONS: SchmidPo2007a [da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Northern Territory [SchmidNaDe2001], Queensland [SchmidNaDe2001], Western Australia [SchmidNaDe2001]).

KEYS: Schmidt et al. 2001: 374 [Australia].

Encarsia adusta Schmidt and Naumann, 2001: 371-376. Type data: Australia: Northern Territory, Darwin. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.

Encarsia (Inaron) aethiopica Viggiani

DISTRIBUTION: **Afrotropical**: Ethiopia [ViggiaLa1989289].

Encarsia aethiopica Viggiani, 1989[293]: 513-515. Type data: Ethiopia: Dupte. Holotype female. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female.

Encarsia (Inaron) aferi Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Bemisia afer* (Priesner and Hosny) [new].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia aferi Schmidt & Polaszek, 2007a: 2118-2119. Type data: Australia: QLD, Bundaberg. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Inaron) azimi Hayat

ASSOCIATIONS: Associates - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* complex [new], *Trialeurodes vaporariorum* [new]. Hosts - HEMIPTERA **Aleyrodidae** [Hayat1998], *Aleurolobus rhododenri* Takahashi [HuangPo1998], *Aleyrodes atriplex* [SchmidNaDe2001], *Bemisia tabaci* (Gennadius) [Hayat1989a, PolaszEvBe1992, SchmidNaDe2001], *Dialeurodes fici* [HuangPo1998], *Dialeurodes piperis* [HuangPo1998], *Lipaleurodes* sp. [SchmidNaDe2001], *Odontaleyrodes rhododenri* (Takahashi) [HuangPo1998], *Parabemisia myricae* [ChouChKo1996], *Rhachisphora fici* (Takahashi). THYSANOPTERA **Thripidae**: *Thrips tabaci*? [HayatAy1998].

CITATIONS: BabcoCHeDe2001 [morphological and molecular phylogenetics (as near azimi).]; BoothPo1996 [Beh]; ChouChKo1996 [Ca]; Hayat1989a [Tn]; HernanCaAg2003 [Rr]; LopezA1987 [Dea, Ili, An, Hy]; SchmidPo2007a [Da, Ila, Rr]; ViggiaMa1979144.

DISTRIBUTION: **Australasian**: Australia (New South Wales [SchmidNaDe2001], Queensland [SchmidNaDe2001]). **Oriental**: China (Fujian (=Fukien) [HuangPo1998]); India [PolaszEvBe1992] (Tamil Nadu [Hayat1989a], Uttar Pradesh [Hayat1989a]); Pakistan [LopezA1987]; Taiwan [HayatAy1998].

Palaeartic: Canary Islands [HernanCaAg2003]; Italy [HuangPo1998]; Japan [PolaszEvBe1992]; Spain [HuangPo1998].

KEYS: Schmidt et al. 2001: 374 [Australia].

Trichaporus indicus Azim & Shafee, 1980: 335-338. Type data: India: Ootacamund. Unknown type status female. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: female. Homonym of *Prospaltella indica* Shafee, 1973; discovered by Hayat, 1986: 65.

Encarsia azimi Hayat, 1986: 160. Replacement name.

Encarsia adrianae Lopez-Avila, 1987: 425. Type data: Pakistan: Rawalpindi [ex culture: UK, Ascot, Silwood Park]. Holotype female. Type depository: London: Natural History Museum, England. Described: both sexes. Synonymy by Hayat, 1998: 202.

Encarsia azimi; Hayat, 1989a: 62-64. Described: female. Illust. Subsequent description.

Encarsia adrianae; Polaszek et al, 1992: 381. Illust. Subsequent description.

Encarsia azimi; Huang & Polaszek, 1998: 1845-1847. Described: both sexes. Illust. Subsequent description.

Encarsia azimi; Hayat, 1998: 202-203. Described: both sexes. Illust. Subsequent description.

Encarsia azimi; Schmidt et al., 2001. Illust. Subsequent description.

Encarsia (Inaron) coquilletti Howard

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleyrodes* sp. [Gordh1979, Howard1895b].

DISTRIBUTION: **Nearctic**: United States of America (California [Howard1895b]).

Encarsia coquilletti Howard, 1895b: 29. Type data: USA: CA, Los Angeles. Syntypes, both sexes, type designation unknown. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 2702. Described: female.

Encarsia coquilletti; Mercet, 1912a: 154-155. Described: both sexes. Illust. Subsequent description.

Encarsia coquilletti; Viggiani, 1989[306]: 211-212. Described: female. Subsequent description.

Encarsia (Inaron) coryli Viggiani

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Asterobemisia avellanae* (Sign.) [Viggia1981175].

CITATIONS: Viggia1993338 [Cco, Iec, Lhi, Rng].

DISTRIBUTION: **Palaeartic**: Italy [Viggia1993338].

Encarsia coryli Viggiani, 1981[175]: 69-71. Type data: Italy: Campania. Holotype female, by original designation.

Type depository: UNP. Described: both sexes. Illust.

Encarsia coryli; Viggiani, 1988[277]: 137-138. Described: both sexes. Illust. Subsequent description.

Encarsia (Inaron) cybele Girault

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Girault1913167]).

Encarsia cybele Girault, 1913[167]: 186. Type data: Australia: QLD, Nelson [=Gordonvale] (Cairns). Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.1724. Described: female.

Encarsia cybele; Girault, 1915[238]: 60. Subsequent description.

Encarsia cybele; Dahms, 1983: 207-208.

Encarsia cybele; Viggiani, 1985[233]: 240. Described: female. Illust. Subsequent description.

Encarsia (Inaron) estrellae Manzari & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleyrodes singularis* Danzig [ManzarPoBe2002, HernanCaAg2003], *Bemisia* sp. afer group [ManzarPoBe2002, HernanCaAg2003], *Bemisia* sp. [ManzarPoBe2002], *Bemisia ?singularis* [ManzarPoBe2002].

CITATIONS: HernanCaAg2003 [Ila, Rr, Da, Hre]; ManzarPoBe2002 [molecular phylogenetics].

DISTRIBUTION: **Palaeartic**: Azores [ManzarPoBe2002]; Canary Islands [HernanCaAg2003].

Encarsia estrellae Manzari & Polaszek, 2002: 173-174.. Type data: Azores: Sao Miguel, Lagoa Canarias. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

Encarsia (Inaron) galilea Rivnay (in Rivnay & Gerling)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Acaudaleyrodes citri* [RivnayGe1987], *Bemisia afer* [RivnayGe1987], *Siphoninus phyllirea* [RivnayGe1987].

CITATIONS: RivnayGe1987 [Dea, Ila, Hc].

DISTRIBUTION: **Palaeartic**: Israel [RivnayGe1987].

Encarsia galilea Rivnay (in Rivnay & Gerling), 1987: 465-467. Type data: Israel: Zuriel Valley. Holotype female. Type depository: TEL AVIV. Described: female. Illust.

Encarsia (Inaron) gunturensis (Azim & Shafee)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae** [Hayat1989a].

CITATIONS: Hayat1986 [Tc].

DISTRIBUTION: **Oriental**: India (Andhra Pradesh [Hayat1989a], Tamil Nadu [HayatAy1998], Uttar Pradesh [Hayat1989a]).

Trichaporus gunturensis Azim & Shafee, 1980: 337-338. Type data: India: Guntur, Budampadu. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: both sexes.

Encarsia gunturensis; Hayat, 1986: 161. Change of combination.

Encarsia gunturensis; Hayat, 1989a: 61-62. Described: both sexes. Illust. Subsequent description.

Encarsia gunterensis; Hayat, 1998: 201-202. Described: both sexes. Illust. Subsequent description.

Encarsia (Inaron) inaron (Walker)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Acaudaleyrodes citri* (Priesner & Hosny) [PolaszEvBe1992], *Aleyrodes brassicae* [ShafeeDa1984], *Aleyrodes elevatus* Silv. [Viggia1988277], *Aleyrodes loniceriae* Walker [PolaszEvBe1992, Jasnos1989], *Aleyrodes proletella* L. [PolaszEvBe1992, Jasnos1973, Viggia1988277], *Aleyrodes singularis* Danzig [PolaszEvBe1992], *Aleyrodid* [Masi1910], *Asterobemisia carpini* (Koch) [PolaszEvBe1992], *Asterobemisia paveli* (Zahradnik) [PolaszEvBe1992], *Bemisia* sp. [PolaszEvBe1992, Jasnos1989], *Bemisia tabaci* (Gennadius) [Mimeur1944, PriesnHo1940, RivnayGe1987, PolaszEvBe1992], *Bulgarialeurodes cotesii* (Maskell) [PolaszEvBe1992, Jasnos1989], *Pealius quercus* [Hulden1986], *Siphoninus immaculatus* (Heeger) [PolaszEvBe1992], *Siphoninus phillyreae* (Haliday) [PolaszEvBe1992, Jasnos1989, RivnayGe1987, GouldBePa1992b, GouldBePa1992a], *Teraleurodes hederiae* Goux [Viggia1988277], *Trialeurodes vaporariorum* (Westwood) [PolaszEvBe1992, Jasnos1989, RivnayGe1987]. **Diaspididae**: *Chionaspis striata* Newst.? [PriesnHo1940]. **HYMENOPTERA Aphelinidae**: *Encarsia inaron* Walker [Willia1989].

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics.]; GouldBePa1992a [Mor, Pa, Ov]; GouldBePa1992b [Ran, Pa]; Hayat1981a [Ran]; Hayat1981c [Tn]; Hayat1986 [Tc]; Huang1994 [Tde];

- Jasnos1973 [Hre]; Jasnos1989 [Hre, Dre]; LaSallDe1982 [Tn]; Mani1989 [Tn]; ManiKr1995 [Hre]; ManzarPoBe2002 [molecular phylogenetics]; MohyudKhGo1989 [Bic;]; PolaszEvBe1992; PriesnHo1940 [Hre]; RivnayGe1987 [Ov]; Viggia1988277 [Rre]; Viggia1993338 [Cco, Iec, Lhi, Rng]; Willia1989 [Hc, Hy].
DISTRIBUTION: **Nearctic:** United States of America [ManzarPoBe2002]. **Oriental:** India [PolaszEvBe1992] (Assam [HayatAy1998], Maharashtra [Hayat1989a], Maharashtra [HayatAy1998], Uttar Pradesh [Hayat1989a]). **Oriental:** Pakistan [PolaszEvBe1992]. **Oriental:** Taiwan [HuangPo1998]. **Palaeartic:** Bulgaria [PolaszEvBe1992]. **Palaeartic:** Egypt [Mercet1929, PolaszAb1999]. **Palaeartic:** Finland [Hulden1986]; France [Mercet1930a]; Greece [PolaszEvBe1992]; Hungary [ShafeeDa1984]; Israel [PolaszEvBe1992, GouldBePa1992b]; Italy [Masi1910, Viggia196725, Viggia1988277, Viggia1993338]; Jordan [PolaszEvBe1992]; Russia [Jasnos1973]; United Kingdom [Walker1839a].
Aphelinus inaron Walker, 1839: 10. Type data: England. Lectotype female, by subsequent designation Graham, 1976: 142. Type depository: NRI. Described: female.
Aphelinus Idaeus Walker, 1839: 12. Type data: England. Lectotype male, by subsequent designation Graham, 1976: ???. Type depository: London: Natural History Museum, England. Described: male. Synonymy by Graham, 1976: 142.
Aphelinus Idaeus Walker, 1839: 12. Neotype female and larva, by **present designation**. Type depository: Ithaca: Cornell University Insect Collection, Department of Entomology, Cornell University, NY, USA. Described: female and larva. Synonymy by Graham, 1976: 142.
Encarsia partenopea Masi, 1910: 32. Type data: Italy: Campania, Portici. Holotype female. Type depository: UNP. Described: female. Synonymy by Polaszek et al., 1992: 383.
Encarsia partenopea; Mercet, 1912a: 159-162. Described: both sexes. Illust. Subsequent description.
Encarsia indifferents Mercet, 1929: 220-222. Type data: Egypt [Egipto]. Syntypes, both sexes. Type depository: Madrid: Museo Nacional de Ciencias Naturales, Spain. Described: both sexes. Illust. Synonymy by Polaszek, Abd-Rabou and Huang, 1999: 148.
Trychaporus aleyrodis Mercet, 1930a: 196. Type data: France. Syntypes, unknown. Type depository: Madrid: Museo Nacional de Ciencias Naturales, Spain. Described: both sexes. Synonymy by Polaszek et al, 1992: 383.
Trichaporus partenopea; Mercet, 1931: 565. Change of combination.
Encarsia inaron; Graham, 1976: 142. Change of combination.
Trichaporus partenopea; Azim & Schafee, 1980: 337. Described: female and larva. Misidentification; discovered by Hayat, 1989a: 64.
Encarsia brassicae Shafee & Darvas, 1984: 29. Type data: Hungary: Budapest. Syntypes, female. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: female. Illust. Synonymy by Hayat, 1998: 200.
Encarsia borealis Hulden, 1986: 18. Type data: Finland. Holotype female, by original designation. Type depository: MZH. Described: female. Illust. Synonymy by Huang & Polaszek, 1998: 1891.
Encarsia partenopea; Viggiani, 1988[277]: 157-160. Described: both sexes. Illust. Subsequent description.
Encarsia inaron; Hayat, 1989a: 64-65. Described: female. Illust. Subsequent description.
Encarsia inaron; Polaszek et al, 1992: 383-384. Described: both sexes. Illust. Subsequent description.
Encarsia inaron; Huang & Polaszek, 1998: 1891-1893. Described: both sexes. Illust. Subsequent description.
Encarsia inaron; Polaszek, Abd-Rabou and Huang, 1999: 148-150. Illust. Subsequent description.
Encarsia inaron; Manzari et al., 2002: 174. Illust. Subsequent description.

Encarsia (Inaron) insignis Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae:** *Bemisia afer* group [new].

DISTRIBUTION: **Australasian:** Australia (Western Australia [SchmidPo2007a]).

Encarsia insignis Schmidt & Polaszek, 2007a: 2172-2173. Type data: Australia: WA, Purnululu National Park. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Inaron) longicornis Mercet

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae:** *Aleurotrachelus* sp. [Abbass1975], *Asterobemisia avellanae* (Sign.) [Abbass1975], *Dialeurodes* sp. [Abbass1975], *Pealius* sp. [Viggia1988277].

CITATIONS: Viggia1993338 [Cco, Iec, Lhi, Rng].

DISTRIBUTION: **Palaeartic:** Italy [Viggia1988277, Viggia1993338].

Encarsia longicornis Mercet, 1928: 292. Type data: Italy: Spain: Provincia de Madrid: El Pardo, Vaciamadrid; Provincia de Santander, Solaris, Cabazon de al Sal. Syntypes, unknown, by original designation. Described:

unknown.

Trichaporus longicornis; Mercet, 1930b: 84. Change of combination.

Encarsia longicornis; Viggiani, 1981[175]: 69. Described: both sexes. Illust. Subsequent description.

Encarsia longicornis; Viggiani, 1988[277]: 152-153. Described: both sexes. Illust. Subsequent description.

Encarsia longicornis; Hayat, 1989: ??.

Encarsia (Inaron) lopezi Blanchard

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**.

DISTRIBUTION: **Neotropical**: Argentina (Buenos Aires [Blanch1940]).

Encarsia lopezi Blanchard, 1940: 18. Type data: Argentina: Buenos Aires, Lopes Cristobal [?]. Unknown type status. Type depository: La Plata: Museo de la Plata, Universidad Nacional de La Plata, Division Entomologia, Argentina.

Encarsia lopezi; De Santis, 1948a: 262-266. Described: both sexes. Illust. Subsequent description.

Encarsia (Inaron) lycopersici De Santis

DISTRIBUTION: **Neotropical**: Argentina [DeSant1957a, DeSant1957b].

Encarsia lycopersici De Santis, 1957: 103-106. Type data: Argentina: La Plata. Holotype female, by original designation. Type depository: La Plata: Museo de la Plata, Universidad Nacional de La Plata, Division Entomologia, Argentina. Described: female. Illust.

Encarsia (Inaron) margaritiventris (Mercet)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurochiton aceris* Skierniewice [Jasnos1989], *Aleurotuba jelineki* (Frauenf.) [LaudonVi1984].

CITATIONS: Jasnos1989 [Hre, Dre]; Viggiani1993338 [Cco, Iec, Lhi, Rng].

DISTRIBUTION: **Palearctic**: Italy [Viggiani1985232, Viggiani1993338].

Triachaporus margaritiventris Mercet, 1931: 565. Type data: Spain: Polonia. Syntypes, both sexes. Type depository: Madrid: Museo Nacional de Ciencias Naturales, Spain. Described: both sexes.

Encarsia margaritiventris; Ferrière, 1965: 136-137. Change of combination.

Encarsia margaritiventris; Viggiani, 1985[232]: 87-88. Described: both sexes. Illust. Change of combination.

Encarsia margaritiventris; Viggiani, 1988[277]: 156. Described: both sexes. Illust. Subsequent description.

Encarsia margaritiventris; Hayat, 1989: ??.

Encarsia (Inaron) persequens Silvestri

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurocybolus setigerus* Q. & B. [Silves1928].

DISTRIBUTION: **Oriental**: Philippines (Luzon [Silves1928]).

Encarsia persequens Silvestri, 1927: 44-45. Type data: Philippines: Luzon, Manilla. Syntypes, female (examined).

Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia persequens; Hayat, 1989: ??.

Encarsia (Inaron) reticulata Rivnay

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* (Gennadius) [RivnayGe1987].

CITATIONS: RivnayGe1987 [Dea, Ila].

DISTRIBUTION: **Palearctic**: Israel [RivnayGe1987].

Encarsia reticulata Rivnay, 1987: 469-471. Type data: Israel: Tabkha beach near Lake Kinneret. Holotype female.

Type depository: TAUI. Described: both sexes. Illust.

Encarsia (Inaron) scylla Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleuroduplidens wellsae* Martin [new].

DISTRIBUTION: **Australasian**: Australia (New South Wales [SchmidPo2007a]).

Encarsia scylla Schmidt & Polaszek, 2007a: 2229-2230. Type data: Australia: NSW, Coffs Harbour. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Inaron) seminigrilava (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Girault1913167]).

Prospaltella seminigriclavus Girault, 1913[167]: 188. Type data: Australia: QLD, Nelson [=Gordonvale] (Cairns). Holotype female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.1729. Described: female.
Coccophagus seminigriclavus; Girault, 1915[238]: 57. Described: female. Change of combination.
Prospaltella seminigriclava; Compere, 1931: 11. Change of combination.
Encarsia seminigriclavus; Viggiani, 1985[233]: 248. Described: female. Illust. Change of combination.
Prospaltella seminigriclavus; Dahms, 1986: 518-519.

Encarsia (Inaron) siphonini Silvestri

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Siphoninus finitimus* Silv. [Silves1915b].
 DISTRIBUTION: **Afrotropical**: Somalia [Silves1915b].
Encarsia siphonini Silvestri, 1915b: 317-318. Type data: Somalia [Eritrea]: Nefasit. Syntypes, both sexes, by **present designation**. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: both sexes. Illust.

Encarsia (Inquirenda) Hayat

Encarsia (Berlesei) Viggiani & Mazzone, 1979[144]: 1979. by original designation. Synonymy by Hayat, 1989: 11.
Encarsia (Inquirenda) Hayat, 1989: 11.

Encarsia (Inquirenda) flexa Huang & Polaszek

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Pseudaulacaspis pentagona* [HuangPo1998].
 DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).
Encarsia flexa Huang & Polaszek, 1998: 1879-1880. Type data: China: Fujian, Jianning. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Inquirenda) luoeae Huang & Polaszek

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Aulacaspis alisiana* Takagi [HuangPo1998].
 DISTRIBUTION: **Oriental**: China (Guangdong (=Kwangtung) [HuangPo1998]).
Encarsia luoeae Huang & Polaszek, 1998: 1910-1912. Type data: China: Guangdong, Yangjiang. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Inquirenda) nanjingensis Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Jiangsu (=Kiangsu) [HuangPo1998]).
Encarsia nanjingensis Huang & Polaszek, 1998: 1921-1922. Type data: China: Jiangsu, Nanjing. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Inquirenda) pseudoaonidiae (Ishii)

ASSOCIATIONS: Hosts - HEMIPTERA **Diaspididae**: *Hemiberlesia pitysophila* [HuangPo1998], *Pseudoaonidia* [Ishii1938], *Pseudoaonidia duplex* [Ishii1938].
 DISTRIBUTION: **Oriental**: China (Guangdong (=Kwangtung) [HuangPo1998]). **Palaeartic**: Japan [Ishii1938].
Aspidotiphagus pseudoaonidiae Ishii, 1938: 27-28. Type data: Japan: Okinawa, Naha & Nagasaki. Lectotype female, by subsequent designation Huang & Polaszek, 1998: 1944. Type depository: NIAS. Described: female.
Encarsia pseudoaonidiae; Huang & Polaszek, 1998: 1942-1944. Described: female. Illust. Change of combination.

Encarsia (Japonica) Hayat

Encarsia (Japonica) Hayat, 1989: 10.
No species found.

Encarsia (Lahorensis) Viggiani & Mazzone

Encarsia (Lahorensis) Viggiani & Mazzone, 1979[144]: 46.
Encarsia (Lahorensis); Hayat, 1989: 11.

Encarsia (Lahorensis) aldrichi Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Dialeuropora decempuncta* (Quaintance and Baker) [new].
 DISTRIBUTION: **Australasian**: Australia (Northern Territory [SchmidPo2007a], Western Australia

[SchmidPo2007a]).

Encarsia aldrichi Schmidt & Polaszek, 2007a: 2122-2123. Type data: Australia: WA, Kununurra. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.

Encarsia (Lahorensis) aleurochitonis Mercet

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurochiton aceris* (Modeer) [Mercet1931a], *Aleurochiton complanatus* Baer [Medved1987].

CITATIONS: Viggia1993338 [Cco, Iec, Lhi, Rng].

DISTRIBUTION: **Palaeartic**: Italy [Viggia1993338].

Encarsia aleurochitonis Mercet, 1931a: 659-669. Type data: Spain: Polonia. Holotype unknown, by monotypy. Type depository: Madrid: Museo Nacional de Ciencias Naturales, Spain. Described: unknown.

Encarsia (Lahorensis) ancistrocera Huang & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurolobus marlatti* [HuangPo1998], *Aleurotrachelus caerulescens* [HuangPo1998], *Dialeurodes fici* [HuangPo1998].

DISTRIBUTION: **Oriental**: Taiwan [HuangPo1998].

Encarsia ancistrocera Huang & Polaszek, 1998: 1842-1843. Type data: Taiwan: Mucha. Holotype male, by original designation. Type depository: Taichung: Taiwan Agricultural Research Institute, Entomology Collection, Taiwan. Described: male. Illust.

Encarsia (Lahorensis) antiopa (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1913167]).

Prospaltella antiopa Girault, 1913[167]: 188. Type data: Australia: QLD, Babinda. Holotype male, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.1728. Described: male.

Coccophagus antiopa; Girault, 1915[238]: 47. Change of combination.

Prospaltella antiopa; Compere, 1931: 11.

Prospaltella antiopa; Dahms, 1983: 45.

Encarsia antiopa; Viggiani, 1985[233]: 235. Described: male. Illust. Change of combination.

Encarsia (Lahorensis) bothrocera Huang & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurothrixus smilaceti* Takahashi [HuangPo1998], *Aleurotrachelus caerulescens* Singh [HuangPo1998], *Aleurotrachelus elatostemae* Takahashi [HuangPo1998], *Aleurotrachelus micheliae* Takahashi [HuangPo1998], *Aleurotrachelus rubi* Takahashi [HuangPo1998], *Aleurotuberculatus ficicola* Takahashi [HuangPo1998], *Dialeurodes* sp. [HuangPo1998], *Dialeurodes kirkaldyi* [HuangPo1998], *Pealius mori* (Takahashi) [HuangPo1998], *Singhius hibisci* (Kotinsky) [HuangPo1998], *Taiwanaleyrodes carpini* Takahashi [HuangPo1998].

DISTRIBUTION: **Oriental**: Taiwan [HuangPo1998].

Encarsia bothrocera Huang & Polaszek, 1998: 1850-1852. Type data: Taiwan: Shuli. Holotype female, by original designation. Type depository: Taichung: Taiwan Agricultural Research Institute, Entomology Collection, Taiwan. Described: both sexes. Illust.

Encarsia (Lahorensis) cibcensis Lopez-Avila

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurotrachelus caerulescens* [HuangPo1998], *Aleurotuberculatus ficicola* [HuangPo1998], *Bemisia tabaci* (Gennadius) [LopezA1987, SchmidNaDe2001], *Dialeurodes agalmae* [HuangPo1998], *Pealius mori* [HuangPo1998], *Singhius hibisci* [HuangPo1998], *Taiwanaleyrodes meliosmae* [HuangPo1998].

CITATIONS: BabcocHeDe2001 [morphological and molecular phylogenetics.]; Hayat1989a [Tn]; LopezA1987 [Dea, Ila, An, Hy]; ManzarPoBe2002 [molecular phylogenetics.].

DISTRIBUTION: **Australasian**: Cook Islands [SchmidNaDe2001]. **Oriental**: Pakistan [LopezA1987]; Taiwan [HuangPo1998].

KEYS: Schmidt et al. 2001: 373 [Australia.].

Encarsia cibcensis Lopez-Avila, 1987: 427. Type data: Pakistan: Rawalpindi [ex culture, UK: Ascot, Silwood Park]. Holotype female, by original designation. Type depository: London: Natural History Museum, England.

Described: female.

Encarsia cibcensis; Polaszek et al, 1992: 381-382. Described: both sexes. Illust. Subsequent description.

Encarsia perflava (part); Chou, Chou & Ko, 1996: 199. Described: female and larva. Misidentification; discovered by Huang & Polaszek, 1998: 1856.

Encarsia cibcensis; Huang & Polaszek, 1998: 1856-1858. Described: both sexes. Illust. Subsequent description.

Encarsia cibcensis; Schmidt et al., 2001: 377. Illust. Subsequent description.

Encarsia (Lahorensis) ciliata (Gahan)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurodicus* sp..

DISTRIBUTION: **Neotropical**: Puerto Rico & Vieques Island.

Prospaltella ciliata Gahan, 1927: 22. Type data: Puerto Rico: San Juan. Holotype female. Type depository:

Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 29448. Described: female.

Encarsia ciliata; Viggiani, 1986[249]: 64. Described: female. Illust. Change of combination.

Encarsia (Lahorensis) confusa Hayat

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurolobus* sp. near *niloticus* [Hayat1989a]

DISTRIBUTION: **Oriental**: India (Bihar [HayatAy1998]).

Encarsia confusa Hayat, 1989a: 70-71. Type data: India: Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: London: Natural History Museum, England; type no. 147E. Described: female.

Encarsia confusa; Hayat, 1998: 234-235. Described: female. Illust. Subsequent description.

Encarsia (Lahorensis) echinocera Huang & Polaszek

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurotuberculatus ficicola* [HuangPo1998].

DISTRIBUTION: **Oriental**: Taiwan [HuangPo1998].

Encarsia echinocera Huang & Polaszek, 1998: 1867. Type data: Taiwan: Chuchi. Holotype male, by original designation. Type depository: Taichung: Taiwan Agricultural Research Institute, Entomology Collection, Taiwan. Described: male. Illust.

Encarsia (Lahorensis) farinaria Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia farinaria Schmidt & Polaszek, 2007a: 2163-2164. Type data: Australia: QLD, Cockatoo Creek Crossing. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Lahorensis) hamulata Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia hamulata Huang & Polaszek, 1998: 1890-1891. Type data: China: Fujian, Fuzhou. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Lahorensis) lahorensis (Howard)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Dialeurodes citri* (Ashmead) [Viggia1981172, SailerBrMu1984, NguyenSa1979, RivnayGe1987, HudsonWi1986, HuangPo1998], *Dialeurodes kirkaldyi* [HuangPo1998], *Trialeurodes ricini* (Misra)? [Hayat1989a], *Tuberaleyrodes machili* Takahashi [HuangPo1998].

CITATIONS: Ayyar1925 [Tc]; BarbagLoPa1981 [Ran]; ChouChKo1996; Hayat1981a [Dea, Ran]; Hayat1986 [Tc]; Hayat1989a; Howard1911 [Dea]; HudsonWi1986 [Dev, Pa, Hc, Po]; Mani1938 [Tc]; Mani1989 [Tn]; Misra1924 [Hre]; NguyenSa1979 [Ili, Int, Pa., Ser, Hc, Po, Bc]; PruthiMa1940 [Be, Hre]; Ren1988; RivnayGe1987 [Int, Hc]; SailerBrMu1984 [No, Int, Pa, Bc]; Viggia1981172 [Int, Ran, Pa, Bc]; Viggia1988277 [Da]; ViggiaMa1978140 [Ili, Bp, Be, Mph]; ViggiaMa1979144; ViggiaRe1993335; Woglum1913 [Be].

DISTRIBUTION: **Nearctic**: United States of America (California [Viggia1981172, NguyenSa1979], Florida [SailerBrMu1984, NguyenSa1979]). **Oriental**: China (Guangdong (=Kwangtung) [HuangPo1998]); India [Howard1911] (Bihar [Hayat1989a]); Pakistan [Hayat1989a] [NguyenSa1979]; Taiwan [HayatAy1998]. **Palaeartic**: Egypt [PolaszAb1999]; Greece [Viggia1981172]; Israel [RivnayGe1987] [Viggia1981172]; Italy [Viggia1993338, BarbagLoPa1981, Viggia1981172].

Prospaltella lahorensis Howard, 1911: 132. Type data: Pakistan: Lahore. Lectotype, by subsequent designation Hayat, 1981a: 466. Type depository: Washington: United States National Entomological Collection, U.S.

National Museum of Natural History, DC, USA. Described: both sexes.
Prospaltella lahorensis; Mercet, 1912a: 199-200. Described: female. Subsequent description.
Prospaltella lahorensis; Viggiani & Mazzone, 1978[140]: 102.
Encarsia lahorensis; Viggiani & Mazzone, 1979[144]: 46. Described: female and larva. Change of combination.
Encarsia lahorensis; Viggiani, 1988[277]: 149-150. Described: both sexes. Illust.
Encarsia lahorensis; Hayat, 1989a: 73-74. Described: both sexes. Illust. Subsequent description.
Encarsia lahorensis; Huang & Polaszek, 1998: 1900-1901. Described: both sexes. Illust. Subsequent description.
Encarsia lahorensis; Polaszek, Abd-Rabou and Huang, 1999: 150-152. Illust. Subsequent description.

Encarsia (Lahorensis) lipaleyrodis Krishnan & Vasantharaj David

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Lipaleyrodes euphorbiae* [KrishnVa1996].
 DISTRIBUTION: **Oriental**: India (Tamil Nadu [HayatAy1998]).
Encarsia lipaleyrodis Krishnan & Vasantharaj David, 1996: 19. Type data: India: Padappai. Unknown type status female, by **present designation**. Type depository: DAVID. Described: female. Illust.
Encarsia lipaleyrodis; Hayat, 1998: 232. Described: female. Illust. Subsequent description.

Encarsia (Lahorensis) macroptera Viggiani

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae** [Hayat1989a], *Aleurolobus barodensis* [Viggia1985232].
 CITATIONS: Hayat1989a.
 DISTRIBUTION: **Oriental**: India (Maharashtra [Hayat1989a], Punjab [HayatAy1998], Uttar Pradesh [HayatAy1998]); Pakistan [Viggia1985232].
Encarsia macroptera Viggiani, 1985[232]: 87. Type data: Pakistan: Peshawar. Holotype female, by original designation. Type depository: UNP. Described: female. Illust.
Encarsia leptosoma Hayat, 1989a: 44-45. Type data: India: Punjab, Mukerain. Holotype female, by original designation. Type depository: London: Natural History Museum, England; type no. 63(E). Described: both sexes. Illust. Synonymy by Hayat, 1998: 233.
Encarsia macroptera; Hayat, 1998: 233-234. Described: both sexes. Illust. Subsequent description.

Encarsia (Lahorensis) notha Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Western Australia [SchmidPo2007a]).
Encarsia notha Schmidt & Polaszek, 2007a: 2202-2203. Type data: Australia: WA, CALM Site 4/3 S by E Kalumburu Mission. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Lahorensis) perflava Hayat

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae** [Hayat1989a], *Aleurotrachelus elatostemae* [HuangPo1998], *Aleurotuberculatus ficicola* [HuangPo1998], *Taiwanaleyrodes carpini* Tachikawa [HuangPo1998].
 DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]); India (Uttar Pradesh [Hayat1989a]); Taiwan [HayatAy1998].
Encarsia perflava Hayat, 1989a: 42-43. Type data: India: Uttar Pradesh, Aligarh. Holotype female. Type depository: London: Natural History Museum, England; type no. 102E. Described: female.
Encarsia perflava; Chou, Chou & Ko, 1996: 199. Described: female and larva. Misidentification; discovered by Huang & Polaszek, 1998: 1931.
Encarsia perflava; Huang & Polaszek, 1998: 1930-1932. Described: both sexes. Illust. Subsequent description.
Encarsia perflava; Hayat, 1998: 231. Described: female. Illust. Subsequent description.

Encarsia (Lahorensis) porteri (Mercet)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocanthus* [PolaszEvBe1992], *Aleurothrixus aepin* (Goldi) [PolaszEvBe1992], *Aleurothrixus floccosus* (Mask.) [DeSant1979a], *Aleurothrixus porteri* Quaintance & Baker [PolaszEvBe1992], *Bemisia tabaci* (Gennadius) [PolaszEvBe1992], *Trialeurodes vapparariorum* [PolaszEvBe1992].
 CITATIONS: ArretzLaGu1985 [Lhi]; Rojas1968 [Lhi].
 DISTRIBUTION: **Neotropical**: Argentina [PolaszEvBe1992, DeSant1948a]; Brazil [PolaszEvBe1992]; Chile [PolaszEvBe1992].
Prospaltella citrella Porteri Mercet, 1927c: 130-131. Type data: Chile: San Bernardo. Lectotype female, by subsequent designation Polaszek et al., 1992: ???. Type depository: Madrid: Museo Nacional de Ciencias

Naturales, Spain. Described: female.

Prospaltella porteri; Blanchard, 1937: 26. Change of status.

Prospaltella porteri; De Santis, 1948a: 250-252. Described: female. Illust. Subsequent description.

Encarsia porteri; Polaszek, 1991: 102. Change of combination.

Encarsia porteri; Polaszek et al, 1992: 387. Described: female. Illust. Subsequent description.

Encarsia (Lahorensis) pseudococci (Agarwal)

ASSOCIATIONS: Host - HEMIPTERA **Pseudococcidae**: *Rastrococcus iceryoides*? [Agarwa1964].

CITATIONS: Hayat1986 [Tc]; Mani1989 [Dea]; Shafee1973 [Tky].

DISTRIBUTION: **Oriental**: India (Uttar Pradesh [Agarwa1964]).

Prospaltella pseudococci Agarwal, 1964: 279-280. Type data: India: Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India.

Described: both sexes. Illust.

Encarsia pseudococci; Hayat, 1986: 163. Described: female and larva. Change of combination.

Encarsia pseudococci; Hayat, 1989a: 42-43. Described: both sexes. Illust. Subsequent description.

Encarsia pseudococci; Hayat, 1998: 231-232. Described: both sexes. Illust. Subsequent description.

Encarsia (Lahorensis) synaptocera Huang & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurotrachelu elatostemae* [HuangPo1998],

Aleurotrachelu micheliae [HuangPo1998], *Aleurotrachelus* sp. [ChouChKo1996], *Aleurotrachelus caeruleus*

[ChouChKo1996], *Aleurotrachelus rubi* [ChouChKo1996], *Aleurotuberculatus malloti* [ChouChKo1996],

Aleurotuberculatus multipori [ChouChKo1996], *Bemisia tabaci* Gennadius [ChouChKo1996], *Parabemisia* sp.

[ChouChKo1996], *Pealius polygona* [ChouChKo1996], *Pealius rubi* [ChouChKo1996], *Trialeurodes*

[ChouChKo1996], *Trialeurodes vaporariorum* [HuangPo1998].

CITATIONS: ChouChKo1996 [Misidentification].

DISTRIBUTION: **Oriental**: Taiwan [HuangPo1998].

Encarsia synaptocera Huang & Polaszek, 1998: 1953-1954. Type data: Taiwan: Fenchifu. Holotype female, by original designation. Type depository: Taichung: Taiwan Agricultural Research Institute, Entomology

Collection, Taiwan. Described: both sexes. Illust.

Encarsia (Lahorensis) taciti (Girault)

ASSOCIATIONS: Associate - **Passifloraceae**: *Passiflora foetida*.

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1930432]).

Coccophagus taciti Girault, 1930[432]: 3[272]. Type data: Australia: QLD, Mt Cootha [=Coot-tha]. Holotype

female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.4011.

Described: female.

Coccophagus taciti; Dahms, 1986: 576.

Encarsia taciti; Viggiani, 1986[249]: 75. Described: female. Illust. Change of combination.

Encarsia (Lahorensis) unfasciata (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1915238]).

Coccophagus unfasciata Girault, 1915[238]: 54, 56. Type data: Australia: QLD, Gordonvale (Cairns). Holotype

female, by original designation. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2941. Described: female.

Coccophagus unfasciata; Girault, 1928[424]: 3[227].

Coccophagus unifasciata Girault, 1928[424]: 3[227]. Unjustified emendation.

Prospaltella unifasciata; Compere, 1931: 11. Change of combination.

Coccophagus unifasciatus; Girault, 1936[447]: 2 [323]. Described: female and larva.

Encarsia unfasciata; Viggiani, 1985[233]: 253-254. Described: female. Illust. Change of combination.

Coccophagus unfasciata; Dahms, 1986: 609.

Encarsia (Lahorensis) viggianii Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia viggianii Huang & Polaszek, 1998: 1958-1959. Type data: China: Fujian, Shanghang, Qiushan. Holotype

male, by original designation. Type depository: FAU. Described: male. Illust.

Encarsia (Longifasciata) Hayat

Encarsia (Longifasciata) Hayat, 1989: 10.

Encarsia (Longifasciata) arabica Hayat

ASSOCIATIONS: Associates - HEMIPTERA **Aleyrodidae**: *Aleorolobus olivinus* (Silvestri) [Rivnay1983], *Simplaleurodes hemisphaerica* Goux [PedataPo2003]. Host - HEMIPTERA **Aleyrodidae** [Hayat1989b].

CITATIONS: PedataPo2003 [Da, ill, Rr, Dei].

DISTRIBUTION: **Palaeartic**: Israel [Rivnay1983]; Italy [PedataPo2003]; Saudi Arabia [Hayat1989a]; Syria [PedataPo2003].

Encarsia arabica Hayat, 1989b: 163-164. Type data: Saudi Arabia: Alkharj. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia (Longifasciata) cassida Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia cassida Schmidt & Polaszek, 2007a: 2147-2148. Type data: Australia: QLD, Southeast Queensland Heathlands. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Longifasciata) dewa Pedata & Polaszek

DISTRIBUTION: **Oriental**: Indonesia (Sulawesi (=Celebes) [PedataPo2003]).

Encarsia dewa Pedata & Polaszek, 2003: 370-371. Type data: Indonesia: Sulawesi, Toraut, Utara, Dumoga-Bone National Park. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia (Longifasciata) longifasciata Subba Rao

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae** [HayatAy1998], *Aleurocanthus spiniferus* (Quaintance) [HuangPo1998], *Aleurocanthus woglumi* Ashby [PolaszEvBe1992], *Aleuroclava* sp. [PolaszEvBe1992], *Aleurolobus marlati* (Quaintance) [ViggiaRe1993335], *Aleurolobus niloticus* Priesner & Hosny [PolaszEvBe1992], *Aleurolobus setigerus* Quaintance & Baker [HuangPo1998], *Aleurolobus* sp. [PolaszEvBe1992], *Bemisia tabaci* (Gennadius) [PolaszEvBe1992, MohyudKhGo1989, HuangPo1998], *Blackfly* [SubbaR1984], *Dialeurodes citri* (Ashmead) [PolaszEvBe1992].

CITATIONS: ChouChKo1996; Mani1989 [Dea]; PedataPo2003 [Dea, Rr, Ia]; SchmidPo2007a [Da, Ila, Rr]; ViggiaRe1993335.

DISTRIBUTION: **Australasian**: Australia [PedataPo2003]. **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Guangxi (=Kwangsi) [HuangPo1998]). **Oriental**: India [SubbaR1984]. **Oriental**: India (Karnataka [Hayat1989a]); Indonesia (Sulawesi (=Celebes) [PedataPo2003]); Pakistan [MohyudKhGo1989, PolaszEvBe1992, PedataPo2003]; Taiwan [HayatAy1998]; Thailand [PedataPo2003]. **Palaeartic**: China [HayatAy1998]; Japan [PedataPo2003].

Encarsia longifasciata Subba Rao, 1984: 260. Type data: India: Bangalore. Holotype female. Type depository: London: Natural History Museum, England. Described: female.

Encarsia longifasciata; Hayat, 1989a: 29-30. Described: female. Illust. Subsequent description.

Encarsia longifasciata; Polaszek et al, 1992: 384. Described: female. Subsequent description.

Encarsia longifasciata; Huang & Polaszek, 1998: 1906-1907. Described: female. Illust. Subsequent description.

Encarsia longifasciata; Hayat, 1998: 192. Described: female. Illust. Subsequent description.

Encarsia (Longifasciata) prinslooii Pedata & Polaszek

ASSOCIATIONS: Associate - **Diaspididae** [new].

DISTRIBUTION: **Afrotropical**: South Africa [PedataPo2003].

Encarsia prinslooii Pedata & Polaszek, 2003: 373. Type data: South Africa: Transvaal, Pretoria. Holotype female, by **present designation**. Type depository: Pretoria: South African National Collection of Insects, South Africa. Described: female. Illust.

Encarsia (Lutea) Viggiani & Mazzone

Encarsia (Lutea) Viggiani & Mazzone, 1979[144]: 46.

Encarsia (Formosa); Hayat, 1989: 10.

Encarsia (Lutea); Hayat, 1989: 11.

***Encarsia (Lutea) abatei* Viggiani**

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleuroplatus cadabae* Priesner & Hosny [Viggia1982185].

DISTRIBUTION: **Afrotropical**: Ethiopia [Viggia1982185].

Encarsia abatei Viggiani, 1982[185]: 27-32. Type data: Ethiopia: Melka Werer. Holotype female, by original designation. Type depository: UNP. Described: both sexes.

***Encarsia (Lutea) armillata* Schmidt & Polaszek**

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleurolobus* sp. [SchmidPo2007a].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a], Western Australia [SchmidPo2007a]).

Encarsia armillata Schmidt & Polaszek, 2007a: 2126-2127. Type data: Australia: QLD, Brisbane, Longpocket.

Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

***Encarsia (Lutea) asterobemisiae* Viggiani & Mazzone**

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Asterobemisia avellanae* (Sign.) [Viggia1988277], *Bemisia* sp. [Viggia1988277].

CITATIONS: Viggia1980160 [Nut].

DISTRIBUTION: **Palearctic**: Italy [Viggia1988277, ViggiaMa1980167].

Encarsia asterobemisiae Viggiani, 1980[160]: 28. Illust. Nomen nudum.

Encarsia asterobemisiae Viggiani & Mazzone, 1980[167]: 54-55. Type data: Italy: Piazzolla. Holotype female, by original designation. Type depository: UNP. Described: female.

Encarsia asterobemisiae; Viggiani, 1981[175]: 67-69. Described: both sexes. Illust. Subsequent description.

Encarsia asterobemisiae; Viggiani, 1988[277]: 133-134. Described: both sexes. Illust. Subsequent description.

***Encarsia (Lutea) davidi* Viggiani & Mazzone**

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Bemisia* sp. (afer group) [new]. Hosts - HEMIPTERA

Aleyrodidae: *Acaudaleyrodes rachipora* (=citri) (Singh) [RivnayGe1987, HernanCaAg2003], *Aleurolobus marlatii* (=niloticus) (Quaintance) [PolaszAb1999], *Tetraleurodes leguminicola* (Takahashi) [PolaszAb1999].

CITATIONS: HernanCaAg2003 [Da, Hre]; RivnayGe1987 [No, Hc]; ViggiaMa1980167 [Nut].

DISTRIBUTION: **Palearctic**: Egypt [PolaszAb1999]; Israel [ViggiaMa1980167].

Encarsia davidi Viggiani & Mazzone, 1980[167]: 55-57. Type data: Israel, Nazareth. Holotype female. Described: female. Illust.

Encarsia davidi; Polaszek, Abd-Rabou and Huang, 1999: 143-144. Illust. Subsequent description.

***Encarsia (Lutea) dialeuroporae* Viggiani**

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Dialeuropora decempunctata* [Viggia1985232].

DISTRIBUTION: **Oriental**: Pakistan [Viggia1985232].

Encarsia dialeuroporae Viggiani, 1985[232]: 84. Type data: Pakistan: Pashawar. Holotype female, by original designation. Type depository: UNP. Described: both sexes. Illust.

***Encarsia (Lutea) hamata* Huang & Polaszek**

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae** [HuangPo1998].

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia hamata Huang & Polaszek, 1998: 1888-1890. Type data: China: Fujian, Fuzhou, Jinshan. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

***Encarsia (Lutea) indica* (Shafee)**

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae** [Hayat1989a].

DISTRIBUTION: **Oriental**: India (Pondicherry [Hayat1989a]).

Prospaltella indica Shafee, 1973: 255. Type data: India: Pondicherry. Holotype female. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: female.

Encarsia lutea; Hayat, 1981a: 466. Incorrect synonymy; discovered by Hayat, 1989a: 48.

Encarsia indica; Hayat, 1989a: 48. Change of combination.

Encarsia indica; Hayat, 1998: 229-230. Described: female. Illust. Subsequent description.

Encarsia (Lutea) lutea (Masi)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae** [HayatAy1998], *Acaulaleyrodes citri* [HuangPo1998], *Aleurocanthus cinnamomi* [HuangPo1998], *Aleurocanthus ziziphi* [PolaszAb1999], *Aleurolobus marlatti* (Quaintance) [HuangPo1998], *Aleurolobus niloticus* [HuangPo1998], *Aleurolobus rhododendri* [HuangPo1998], *Aleurolobus setigerus* [HuangPo1998], *Aleurolobus wunni* (Ryberg) [Viggia1988277], *Aleuroplatus pectiniferus* [HuangPo1998], *Aleurotrachelus* [Viggia1988277], *Aleurotrachelus jelinekii* (Frauenfeld) [PolaszEvBe1992], *Aleurotrachelus rubi* Takahashi [HuangPo1998], *Aleurotuberculatus aucubae* (Kuwana) [HuangPo1998], *Aleurotuberculatus gordoniae* Takahashi [HuangPo1998], *Aleurotuberculatus jasmini* Takahashi [HuangPo1998], *Aleurotuberculatus malloti* Takahashi [HuangPo1998], *Aleurotuberculatus mellastomae* Takahashi [HuangPo1998], *Aleurotuberculatus psidii* (Singh) [HuangPo1998], *Aleurotuberculatus ficicola* [HuangPo1998], *Aleyrodes* [Viggia1988277], *Aleyrodes lonicerae* Walker [Jasnos1989], *Aleyrodes prolella* L. [Jasnos1989], *Asterobemisia atraphaxidis* Danz. [Jasnos1989], *Asterobemisia carpini* (Koch) [Jasnos1989], *Bemisia argentifolia* Perring & Bellows [HuangPo1998], *Bemisia ovata* (Goux) [PolaszEvBe1992, Jasnos1989], *Bemisia porteri* Corbett [PolaszEvBe1992, Jasnos1989], *Bemisia salicaria* Danzig [PolaszEvBe1992, Jasnos1973], *Bemisia tabaci* (Gennadius) [MohyudKhGo1989, PolaszEvBe1992, Jasnos1989, Willia1991, RivnayGe1987, Hayat1989a, HuangPo1998, Schmi], *Bulgarialeurodes cotesi* Mask. [Jasnos1973], *Dialeurodes* sp. [Viggia1988277], *Dialeurodes citri* [PolaszEvBe1992, Jasnos1973], *Dialeurodes fici* [PolaszEvBe1992, Jasnos1973], *Dialeurodes formosoanensis* Takahashi [PolaszEvBe1992, Jasnos1973], *Dialeurodes kirkaldyi* [PolaszEvBe1992, Jasnos1973], *Pealius* [Viggia1988277], *Pealius mori* [PolaszEvBe1992, Jasnos1973], *Pealius setosus* Danzig [PolaszEvBe1992, Jasnos1973], *Singhius hibisci* [PolaszEvBe1992, Jasnos1973], *Siphonius phillyreae* [PolaszAb1999], *Taiwanaleyrodes meliosmae* [PolaszEvBe1992, Jasnos1973], *Tetralicia* [Viggia1988277], *Trialeurodes* [Viggia1988277], *Trialeurodes abutiloneus* (Haldeman) [StonerBu1965], *Trialeurodes vaporariorum* (Westw.) [Viggia1988277, Jasnos1989, StonerBu1965]. HYMENOPTERA **Aphelinidae**: *Eretmocerus mundus* [Willia1991]. LEPIDOPTERA : *Trichoplusia ni* Hubner [StonerBu1965]. **Noctuidae**: *Helicoverpa zea* (Boddie) [StonerBu1965].

CITATIONS: AbdelFHeKo1984 [Lhi]; Abdelr1986 [Lhi]; BabcocHeDe2001 [morphological and molecular phylogenetics.]; ChouChKo1996; Gerlin1986 [Lhi]; GerlinFo1987 [Lhi]; GerlinSpVi1987 [Dev]; Hunter1989a [Hc]; Jasnos1973 [Hre]; Jasnos1989 [Rre]; LopezA1986 [Rre]; Mani1989 [Tn]; ManzarPoBe2002 [molecular phylogenetics.]; Polasz1991 [Lhi]; Ren1988; RivnayGe1987 [Hc]; SchaufEvHe1996; SchmidPo2007a [Da, Ia, Rr]; StonerBu1965 [Lhi]; Stouth1991 [Pa, Hc]; Viggia196725 [Rre]; Viggia1980160 [Iad, Nut]; Viggia1988277 [Rre]; Viggia1993338 [Cco, Iec, Lhi, Rng]; ViggiaMa1979144; ViggiaMa1980167; ViggiaRe1993335; Willia1991 [Fe, Pa, Hc, Hy]; WoolGeCo1984 [Is].

DISTRIBUTION: **Afrotropical**: Nauru [SchmidNaDe2001]. **Australasian**: Australia (Queensland [SchmidNaDe2001], Western Australia [SchmidNaDe2001]); Cook Islands [SchmidNaDe2001]; Niue [SchmidNaDe2001]; Tonga [SchmidNaDe2001]. **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998], Guangxi (=Kwangsi) [HuangPo1998]); India [Hayat1989a]; Pakistan [Hayat1989a]; Taiwan [HayatAy1998]. **Palaeartic**: China [HayatAy1998]; Egypt [PolaszAb1999]; Italy [Masi1910, Viggia196725, Viggia1988277, Viggia1993338]; Russia [Jasnos1973].

KEYS: Schmidt et al. 2001: 374 [Australia.].

Prospaltella lutea Masi, 1909: 25. Type data: Italy: Campania, Portici. Syntypes, female. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Prospaltella lutea; Mercet, 1912a: 204-205. Described: female. Illust. Subsequent description.

Coccophagus sanctus Girault, 1928[424]: 3[227]. Type data: Australia: QLD, Tingooora. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.3848. Described: female. Synonymy by Schmidt & Polaszek, 2007a: 2189.

Encarsia lutea; Ferrière, 1965: 132. Change of combination.

Encarsia lutea; Hayat, 1981c: 466. Described: female and larva. Incorrect synonymy; discovered by Hayat, 1989: 48.

Encarsia sancta; Viggiani, 1985[233]: 246-247. Described: female. Illust. Change of combination.

Coccophagus sanctus; Dahms, 1986: 500.

Encarsia lutea; Viggiani, 1988[277]: 155-156. Described: both sexes. Illust. Subsequent description.

Encarsia lutea; Polaszek et al, 1992: 384-385. Described: both sexes. Illust. Subsequent description.

Encarsia lutea; Huang & Polaszek, 1998: 1912-1914. Described: both sexes. Illust. Subsequent description.

Encarsia lutea; Hayat, 1998: 230-231. Described: both sexes. Illust. Subsequent description.

Encarsia lutea; Polaszek, Abd-Rabou and Huang, 1999: 154-156. Illust. Subsequent description.

Encarsia lutea; Schmidt et al., 2001: 379. Illust. Subsequent description.

Encarsia (Lutea) marinikia Jasnosh

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurodes phyladelphi* Danzig [Jasnos1989].

DISTRIBUTION: **Palaeartic**: Russia (Primor'ye Kray [Jasnos1989]).

Encarsia marinikia Jasnosh, 1989: 113-114. Type data: Russia: Primorsky Kray, Ussuriyskiy Reserve. Holotype female, by original designation. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: both sexes. Illust.

Encarsia (Lutea) udaipuriensis (Shafee)

ASSOCIATIONS: Associate - HEMIPTERA **Coccidae**: *Pseudococcus citri* Risso [Agarwa1964]. Hosts - ?? : *Emmalocera depressella?* [Hayat1989a]. HEMIPTERA **Aleyrodidae**: *Aleurolobus barodensis* [Hayat1989a], *Aleyrodes*, *Moundiella indica* [HayatAy1998]. **Aleyrodidae?**: *Kerria lacca?* [Hayat1989a]. **Coccidae**: *Planococcus citri?* [Hayat1989a]. UNKNOWN : *Emmalocera depressella?* [HayatAy1998].

CITATIONS: Hayat1974; Mani1989 [Dad].

DISTRIBUTION: **Oriental**: India (Bihar [Hayat1989a], Orissa [HayatAy1998], Rajasthan [Hayat1989a], Tamil Nadu [HayatAy1998], Uttar Pradesh [Hayat1989a]).

Prospaltella citri Agarwal, 1964: 276. Type data: India: Aligarh. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: female. Illust. Homonym of *P. citri* Ishii; discovered by Hayat, 1974: 181.

Prospaltella udaipurensis Shafee, 1973: 256-258. Type data: India: Rajasthan, Udaipur. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 5D. Described: female.

Prospaltella agarwali Hayat, 1974: 181. Replacement name.

Encarsia agarwali; Hayat, 1986: 160. Change of combination.

Encarsia udaipuriensis; Hayat, 1986: 164. Change of combination.

Encarsia udaipuriensis; Hayat, 1989a: 50-52. Described: both sexes. Illust. Subsequent description.

Encarsia udaipuriensis; Hayat, 1998: 228-223. Described: female. Illust. Subsequent description.

Encarsia (Lutea) uncinata Schmidt & Polaszek

ASSOCIATIONS: Associate - **Aleyrodidae** [new].

DISTRIBUTION: **Australasian**: Australia (Western Australia [SchmidPo2007a]).

Encarsia uncinata Schmidt & Polaszek, 2007a: 2250-2251. Type data: Australia: WA, Lake Argyle. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Luteola) Polaszek et al.

Encarsia (Formosa) Viggiani & Mazzone, 1979[144]: 45. Synonymy by Polaszek et al., 1992: 382.

Encarsia (Luteola) Polaszek et al., 1992: 385.

Encarsia (Luteola) brunnea (Howard)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleyrodes* sp.? [Howard1908a, Howard1911]

CITATIONS: Howard1908a [Dea]; Howard1911 [Hc].

DISTRIBUTION: **Neotropical**: Puerto Rico & Vieques Island [Howard1908a].

Prospaltella brunnea Howard, 1908a: 283. Type data: Puerto Rico: Bayamon. Holotype female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 12165. Described: female.

Prospaltella brunnea; Mercet, 1912a: 186. Described: female. Subsequent description.

Encarsia brunnea; Viggiani, 1986[249]: 64. Described: female. Illust. Change of combination.

Encarsia (Luteola) californica Polaszek

DISTRIBUTION: **Nearctic**: United States of America (California [PolaseMaQu2004]).

Encarsia californica Polaszek, 2004: 411-412. Type data: USA: CA: Napa Co. Oakville. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

Encarsia (Luteola) desantisi Viggiani

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* (Gennadius) [PolaszEvBe1992, DeSant1981a], *Bemisia tabaci* (Gennadius) [PolaszEvBe1992].

DISTRIBUTION: **Neotropical**: Argentina [DeSant1981a]. **Neotropical**: Brazil [DeSant1948a, PolaszEvBe1992, DeSant1981a]; Venezuela [PolaszEvBe1992].

Encarsia bicolor De Santis, 1948a: 256. Type data: 2029 (no data). Holotype female. Described: female. Homonym of *bicolor* Timberlake, 1926.; discovered by Viggiani, 1985[232]: 82.

Encarsia bicincta De Santis, 1981a: 38. Illust. Unjustified emendation; discovered by Noyes, 2001.

Encarsia bicolor; De Santis, 1981a: 38. Described: male. Subsequent description.

Encarsia desantisi Viggiani, 1985[232]: 82. Described: female and larva. Replacement name for *bicolor* De Santis, 1948.

Encarsia desantisi; Polaszek, Evans & Bennett, 1992: 382. Described: both sexes. Illust. Subsequent description.

Encarsia (Luteola) dispersa Polasek et al.

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Oriental**: Malaysia (Sabah [PolaseMaQu2004]).

Encarsia dispersa Polasek et al., 2004: 412-413. Type data: Malaysia: Sabah, Tawau. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

Encarsia (Luteola) dominicana Evans

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleurothrixus floccosus* [EvansSe2002].

DISTRIBUTION: **Neartic**: United States of America (Florida [EvansSe2002]). **Neotropical**: Dominican Republic [EvansSe2002]; Haiti [Dozier1932, EvansSe2002].

Encarsia dominicana Evans, 2002: 205-206. Type data: Dominican Republic: Las Terrenas. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia (Luteola) formosa Gahan

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleuroglandulus malangae* Russell [PolaszEvBe1992], *Aleurotrachelus trachoides* (Back) [PolaszEvBe1992], *Aleyrodes lonicerae* Walker [PolaszEvBe1992], *Aleyrodes prolella* (L.) [PolaszEvBe1992], *Aleyrodes spiraeoides* Quaintance [PolaszEvBe1992], *Bemisia tabaci* (Grennadius) [PolaszEvBe1992, RivnayGe1987], *Dialeurodes chittendeni* Laing [PolaszEvBe1992], *Dialeurodes citri* (Ashmead) [PolaszEvBe1992], *Trialeurodes* sp. [PolaszEvBe1992], *Trialeurodes vaporariorum* (Westwood) [PolaszEvBe1992, RivnayGe1987, Gerlin1985, AvillaCo1986], *Trialeurodes vaporariorum* Westwood [HeadriBePe1996].

CITATIONS: AlbertSa1989 [Bic]; ArtiguAvSa1992a [Fe]; AvillaCo1986 [Dea, Pa, Hy, Bc, IPM]; AvillaCo1986 [Dev, Fe, Bp, Mod, Ov, Ho,]; BabcocHe2000 [molecular taxonomy]; BabcocHeDe2001 [morphological and molecular phylogenetics.]; Boisc11990 [Lhi]; Coplan1976 [Ila, Ov]; EggenkElVa1980 [Bp]; Ferrie1965; Gahan1924 [Lhi]; Gerlin1966 [Ho, Bc]; GerlinRi1984 [Dea, Ila, An]; GerlinSpVi1987 [Dev, Bc, Ho, Hc]; GerlinSpVi1987 [Dev, Bc, Ho, Hc]; HeadriBePe1996 [Pa, Ov]; HernanCaAg2003 [Rr, Ila]; HoelmeDa1993 [Cc]; Huang1994 [Tde]; Huldin1986; Hunter1989a [Hs]; Hunter1989b [Dev, Ov]; Jasnos1989 [Hre, Dre]; Jasnos1989; LopezA1987 [Hy]; ManzarPoBe2002 [molecular phylogenetics.]; MasoodBhKo1989 [Cc]; Millir1940; Nedsta1988 [Lhi]; NikolsJa1966; PolaszAb1999; PolaszEvBe1992; RivnayGe1987 [Int, Hc]; SchmidPo2007a [Da, Ila, Rr]; ShimroHeGe1992 [Hs]; Speyer1927 [Lhi]; Stense1990 [Lhi]; VanLenRaWo1980 [Bc, Bp]; Vet1980 [Bc, Bp, Fe, Dev, Lo, Ov]; ViggiaMa1979144; WangWaYa1992; WangYa1992.

DISTRIBUTION: **Afrotropical**: Reunion [PolaszEvBe1992]. **Australasian**: Australia [SchmidNaDe2001]; Fiji [SchmidNaDe2001]; French Polynesia [SchmidNaDe2001]; Hawaiian Islands [RivnayGe1987]; Tonga [SchmidNaDe2001]. **Neartic**: Mexico [PolaszEvBe1992]; United States of America (California [RivnayGe1987, PolaszEvBe1992], Idaho [Gahan1924]). **Neotropical**: Barbados [PolaszEvBe1992]; Brazil [PolaszEvBe1992]; Costa Rica [PolaszEvBe1992]; Puerto Rico & Vieques Island [PolaszEvBe1992].

Palaeartic: Canary Islands [HernanCaAg2003]; Israel [RivnayGe1987]; Italy [Viggia1988277]; United Kingdom (England [PolaszEvBe1992]).

KEYS: Schmidt et al. 2001: 372 [Australia.].

Encarsia formosa Gahan, 1924: 14. Type data: USA: Idaho, Twin Falls. Syntypes. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female.

Encarsia formosa; Viggiani, 1988[277]: 144-145. Described: both sexes. Illust. Subsequent description.
Trichaporus formosus; (Gahan) Luo et al., 1989: 293. Described: female and larva. Misidentification; discovered by Huang & Polaszek, 1998: 1881.

Encarsia formosa; Polaszek et al, 1992: 382. Described: both sexes. Illust. Subsequent description.

Encarsia formosa; Polaszek, Abd-Rabou and Huang, 1999: 146-148. Illust. Subsequent description.

Encarsia formosa; Schmidt et al., 2001: 377. Illust. Subsequent description.

Encarsia (Luteola) gallardoi Marelli

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleyrodid* [Marell1933].

DISTRIBUTION: **Neotropical**: Argentina [Marell1933].

Encarsia gallardoi Marelli, 1933: 3. Type data: Argentina: Buenos Aires. Holotype female. Type depository: La Plata: Museo de la Plata, Universidad Nacional de La Plata, Division Entomologia, Argentina. Described: female.

Encarsia gallardoi; De Santis, 1948a: 259-262. Described: female. Subsequent description.

Encarsia (Luteola) guadeloupeae Viggiani

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Lecanoides floccissimus* [new]. Hosts - HEMIPTERA **Aleyrodidae**: *Aleurodicus dispersus* Russell [Viggia1993338, SchmidNaDe2001, HernanCaAg2003], *Aleyrodes* sp. [Viggia1988275], *Bemisia tabaci* (Gennadius) [SchmidNaDe2001], *Trialeurodes vaporariorum* (Westwood) [Viggia1993338, SchmidNaDe2001]. **Diaspididae**? [Viggia1993338].

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics.]; HernanCaAg2003 [Rr, Ila, Hre]; ManzarPoBe2002 [molecular phylogenetics.].

DISTRIBUTION: **Afrotropical**: Nauru [SchmidNaDe2001]. **Australasian**: French Polynesia [SchmidNaDe2001]; Papua New Guinea [SchmidNaDe2001]. **Neotropical**: Guadeloupe [Viggia1988275]. **Oriental**: Thailand [SchmidNaDe2001]. **Palaeartic**: Canary Islands [HernanCaAg2003].

KEYS: Schmidt et al. 2001: 372 [Australia.].

Encarsia guadeloupeae Viggiani, 1988[275]: 35-37. Type data: Guadeloupe (Wonche). Holotype female, by original designation. Type depository: UNP. Described: female. Illust.

Encarsia guadeloupeae; Viggiani, 1993[338]: 123-125. Described: female. Illust. Subsequent description.

Encarsia guadeloupeae; Schmidt et al., 2001: 377-379. Illust. Subsequent description.

Encarsia (Luteola) haitiensis Dozier

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurodicus dispersus* Russell [KumashLaFu1983], *Aleuroglandulus malangae* Russ., *Aleurothrixus floccosus* (Mask.).

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics (nr haitiensis).]; KumashLaFu1983 [Ili, Int, Pa]; ManzarPoBe2002 [molecular phylogenetics.].

DISTRIBUTION: **Neotropical**: Cuba.

Encarsia haitiensis Dozier, 1932: 118. Type data: Haiti: Damien. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female.

Encarsia haitiensis; Dozier, 1933: 92.

Encarsia (Luteola) hispida De Santis

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleuroglandulus malangae* Russell [PolaszEvBe1992], *Aleurothrixus floccosus* (Mask.) [Hempel1904], *Aleurothrixus porteri* Quaintance [PolaszEvBe1992], *Aleurotrachelus socialis* [EvansCa1998], *Bemisia tabaci* (Gennadius) [PolaszEvBe1992], *Bemisia tabaci* (Gennadius) [PolaszEvBe1992], *Siphoninus (?) phillyreae* (Haliday) [PolaszEvBe1992], *Trialeurodes floridensis* (Quaintance) [EvansCa1998], *Trialeurodes vaporariorum* (Westwood) [PolaszEvBe1992].

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics.]; HernanCaAg2003 [Ila, Rr, Da]; ManzarPoBe2002 [molecular phylogenetics.].

DISTRIBUTION: **Australasian**: French Polynesia [SchmidNaDe2001]. **Nearctic**: Mexico [PolaszEvBe1992]; Brazil [DeSant1948b]; Chile [PolaszEvBe1992]; Colombia [PolaszEvBe1992, EvansCa1998]; Dominican Republic [PolaszEvBe1992]; Guadeloupe [PolaszEvBe1992]; Honduras [PolaszEvBe1992]; Jamaica [PolaszEvBe1992]; Puerto Rico & Vieques Island [PolaszEvBe1992]; Venezuela [PolaszEvBe1992].

Palaeartic: Canary Islands [HernanCaAg2003]; Italy? [PolaszEvBe1992]; Spain? [PolaszEvBe1992].

KEYS: Schmidt et al. 2001: 372 [Australia.]; Evans & Castillo 1998 [Colombia].

Encarsia hispida De Santis, 1948b: 45. Type data: Brasil: Rosario, Santa Fe. Holotype female, by original designation. Type depository: La Plata: Museo de la Plata, Universidad Nacional de La Plata, Division Entomologia, Argentina. Described: female.

Encarsia meritoria; Viggiani, 1989: 207. Described: female and larva. Change of combination.

Encarsia hispida; Polaszek et al, 1992: 383. Described: female. Illust. Change of status.

Encarsia hispida; Schmidt et al., 2001: 379. Illust. Subsequent description.

Encarsia (Luteola) luteola Howard

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocybotus ? indicus* David & Subramaniam [Gerlin1967], *Aleuroplatus coronatus* (Quaint.) [Gordh1979], *Aleyrodes* sp. [Gordh1979, Mercet1912a], *Bemisia tabaci* (Gennadius) [PolaszEvBe1992, ShimroHeGe1992, RivnayGe1987, GerlinSpVi1987, GerlinRi1984], *Trialeurodes* [PolaszEvBe1992], *Trialeurodes fernaldi* (Morr.) [Gordh1979], *Trialeurodes packardi* (Morr.) [Gordh1979].

CITATIONS: BabcocHe2000 [molecular taxonomy]; BabcocHeDe2001 [morphological and molecular phylogenetics.]; Gerlin1966 [Dev, Em, Fe, Lo, Pa, Ser, Mah, Mod, Cou, Ho, Ov, Hy, Bp]; Gerlin1967 [Rrc]; GerlinRi1984 [Dea, Ila, An, Ge, Sed, Int, Ho, Hy]; LopezA1987 [Hy]; ManzarPoBe2002 [molecular phylogenetics.]; MorrilBa1912 [Bio]; Poinar1964 [Bio]; RivnayGe1987 [Int, Hc]; ShimroHeGe1992 [Int, Hs].

DISTRIBUTION: **Nearctic**: Mexico [PolaszEvBe1992]. **Nearctic**: United States of America (California [Howard1895a, GerlinRi1984], District of Columbia [Howard1895a], Florida [PolaszEvBe1992]). **Neotropical**: Brazil [PolaszEvBe1992]; Guadeloupe [PolaszEvBe1992]; Puerto Rico & Vieques Island [PolaszEvBe1992].

Palaeartic: Israel [GerlinRi1984, PolaszEvBe1992].

Encarsia luteola Howard, 1895b: 29. Type data: USA: DC, Washington. Holotype female, by monotypy. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 26159. Described: female.

Encarsia angelica Howard, 1895b: 30. Type data: USA: CA, Los Angeles. Holotype male. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 2705. Described: male. Synonymy by Polaszek et al, 1992: 385.

Encarsia angelica; Mercet, 1912a: 152-153. Described: male. Subsequent description.

Encarsia luteola; Mercet, 1912a: 158-159. Described: female. Subsequent description.

Encarsia deserti Gerling & Rivnay, 1984: 439-443. Type data: culture imported to Israel from California. Holotype female. Type depository: UTEL. Described: female. Synonymy by Polaszek et al, 1992: 385.

Encarsia angelica; Viggiani, 1986[249]: 60. Described: male. Illust. Subsequent description.

Encarsia luteola; Viggiani, 1989[306]: 210-211. Described: female. Subsequent description.

Encarsia luteola; Polaszek et al, 1992: 385. Described: both sexes. Illust. Subsequent description.

Encarsia (Luteola) meritoria Gahan

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Trialeurodes abutilonea* [Viggia1990299], *Trialeurodes floridensis* (Quaint.) [Gahan1927].

CITATIONS: BabcocHeDe2001 [morphological and molecular phylogenetics.]; ManzarPoBe2002 [molecular phylogenetics.].

DISTRIBUTION: **Nearctic**: United States of America (Florida [Gahan1927]).

Encarsia meritoria Gahan, 1927: 19-20. Type data: USA: Florida, Miami. Holotype female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 29445. Described: female.

Encarsia hispida Viggiani, 1989[306]: 207-210. Described: both sexes. Illust.

Encarsia (Luteola) variegata Howard

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Paraleurodes* [Dozier1933a], *Paraleurodes naranjajae* Dozier [Dozier1933a], *Paraleurodes perseae* (Quaint.) [Gordh1979, Howard1908b].

CITATIONS: Dozier1933a [Rrc]; Howard1908b [Dea, An]; MorrilBa1912 [Bio].

DISTRIBUTION: **Nearctic**: United States of America (Florida [Howard1908b]).

Encarsia variegata Howard, 1908b: 64. Type data: USA: FL, Orlando. Lectotype female, by subsequent designation Viggiani, 1986b: 75. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 11707. Described: female.

Encarsia variegata; Mercet, 1912a: 166-167. Described: female. Subsequent description.

Encarsia variegata; Viggiani, 1986[249]: 75. Described: female. Illust. Subsequent description.

Encarsia (Merceti) Hayat

Encarsia (Merceti) Hayat, 1989: 10.

Encarsia (Merceti) bennetti Hayat

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocanthus cinamomi* [HuangPo1998], *Aleurocanthus woglumi* [Hayat1989a].

CITATIONS: Hayat1984a [Ila, An]; Hayat1986.

DISTRIBUTION: **Oriental**: India (Maharashtra [Hayat1989a], Uttar Pradesh [HayatAy1998]); Pakistan [Hayat1989a]; Taiwan [HuangPo1998].

Encarsia bennetti Hayat, 1984a: 399-401. Type data: India: Nagpur, Gondkheri. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female.

Encarsia bennetti; Hayat, 1989a: 39-40. Described: female. Illust. Subsequent description.

Encarsia bennetti; Huang & Polaszek, 1998: 1847-1848. Described: both sexes. Illust. Subsequent description.

Encarsia bennetti; Hayat, 1998: 212. Described: female. Illust. Subsequent description.

Encarsia (Merceti) merceti Silvestri

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurocanthus woglumi* (Ashby) [DeSant1979a, Silves1928, Hayat1989a].

CITATIONS: DeSant1979a [Tc]; Flande1969 [Bc]; Hayat1986.

DISTRIBUTION: **Nearctic**: Mexico [Hayat1989a]. **Oriental**: India (Assam [Hayat1989a]); Indonesia [HayatAy1998]; Malaysia [Hayat1989a]; Philippines [Hayat1989a]; Singapore [Silves1928].

Encarsia merceti Silvestri, 1926: 187-189. Type data: Singapore. Syntypes, female (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia merceti; Silvestri, 1928: 40-41. Subsequent description.

Encarsia merceti; Hayat, 1989: ??.

Encarsia merceti; Hayat, 1998: 211-212. Described: both sexes. Illust. Subsequent description.

Encarsia (Merceti) merceti modesta Silvestri

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurocanthus spiniferus* [Silves1926].

DISTRIBUTION: **Oriental**: Philippines [Silves1926].

Encarsia Merceti modesta Silvestri, 1926: 189-190. Type data: Philippines. Unknown type status. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female.

Encarsia Merceti modesta; Silvestri, 1927: 42. Subsequent description.

Encarsia (Merceti) tinctoriae Krishnan & Vasantharaj David

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocanthus woglumi* [HayatAy1998], *Lipaleyrodos euphorbiae* [HayatAy1998].

DISTRIBUTION: **Oriental**: India (Tamil Nadu [HayatAy1998]).

Encarsia tinctoriae Krishnan & Vasantharaj David, 1996: 21. Type data: India: Palavanthangal. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: female.

Encarsia tinctoriae; Hayat, 1998: 213. Described: female. Illust. Subsequent description.

Encarsia (Noyesi) Schmidt & Polaszek

Encarsiella Hayat, 1983: 85. Type species: *Encarsiella noyesi* Hayat, by original designation. Synonymy by Shafee & Rizvi, 1984: 379.

Encarsiella; Polaszek & Hayat, 1992: 192. Revived status.

Encarsia (Noyesi) Schmidt & Polaszek, 2007b: 86.

Encarsiella Schmidt & Polaszek, 2007b: 86. **Synonymy reestablished.**

Encarsia (Noyesi) aleurodici (Girault)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurodicus* [Giraul1916290].

CITATIONS: PolaszHa1992 [No].

DISTRIBUTION: **Neotropical**: Trinidad and Tobago (Trinidad [Giraul1916290]).

Coccophagus aleurodici Girault, 1916[290]: 401. Type data: WI: Trinidad. Syntypes. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 20223. Described: both sexes.

Prospaltella aleurodici; Compere, 1931: 11. Change of combination.

Encarsiella aleurodici; Viggiani, 1986[249]: 59. Change of combination.

Dirphys aleurodici; Hayat, 1989b: 288. Described: female and larva. Change of combination.

Encarsiella aleurodici; Polaszek & Hayat, 1992: 193. Described: female and larva. Revived status.

Encarsia aleurodici; Schmidt & Polaszek, 2007b: 85. Change of combination.

Encarsia (Noyesi) amabilis (Huang & Polaszek)

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [PolaszHu1998]).

Encarsiella amabilis Huang & Polaszek, 1998: 1650-1652. Type data: People's Republic of China: Fujian. Holotype female, by original designation. Type depository: FACC. Described: female. Illust.

Encarsia amabilis; Schmidt & Polaszek, 2007b: 85. Change of combination.

Encarsia (Noyesi) boswelli (Girault) new combination

ASSOCIATIONS: Associates - HETEROPTERA **Plataaspidae**: *Megacopta cribraria* (F.) [PolaszHa1992].

Plataspidae: *Brachyplatys vahlii* (F.) [PolaszHa1992].

CITATIONS: PolaszHa1992 [No]; PolaszHa1992 [No]; SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1915238, PolaszHa1992]).

Coccophagus filius Girault, 1915[238]: 48. Synonymy by Polaszek & Hayat, 1990: 1.

Coccophagus filius Girault, 1915[238]: 48, 56. Type data: Australia: QLD, Gordonvale (Cairns). Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2924.

Described: female. Synonymy by Polaszek & Hayat, 1992: 193.

Coccophagus boswelli Girault, 1915[238]: 49-50, 56. Type data: Australia: QLD, Cooktown. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2928.

Described: female.

Prospaltella boswelli; Compere, 1931: 11. Change of combination.

Prospaltella filia; Compere, 1931: 11. Change of combination.

Coccophagus boswelli; Dahms, 1983: 145.

Encarsia boswelli; Viggiani, 1985[233]: 237. Described: female. Illust. Change of combination.

Dirphys filius; Hayat, 1989: 288. Described: female and larva. Change of combination.

Dirphys boswelli; Hayat, 1989c: 288. Change of combination.

Encarsiella boswelli; Polaszek & Hayat, 1992: 193. Described: female and larva. Illust. Change of combination.

Encarsia boswelli; Schmidt & Polaszek, 2007b. Change of combination.

Encarsia (Noyesi) magniclava (Girault)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurochiton* sp., *Eudialeurodicus bodkini* Q. & B. [DeSant1979a].

CITATIONS: PolaszHa1992 [No].

DISTRIBUTION: **Neotropical**: Guyana [Giraul1915262, PolaszHa1992].

Coccophagus magniclavis Girault, 1915[262]: 33-34. Type data: British Guiana: Berlice, Demerara. Syntypes, female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 19343-7. Described: both sexes.

Prospaltella magniclavis ?; Compere, 1931: 11. Change of combination.

Encarsiella magniclava; Viggiani, 1986[249]: 66-67. Described: female. Illust. Change of combination.

Dirphys magniclavis; Hayat, 1989b: 288. Described: female and larva. Change of combination.

Encarsiella magniclava; Polaszek & Hayat, 1992: 193-195. Described: female and larva. Revived status.

Encarsia magniclava; Schmidt & Polaszek, 2007b: 85. Change of combination.

Encarsia (Noyesi) narroi Gomez & Garcia

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurodicus* sp. [GomezGa2000].

DISTRIBUTION: **Nearctic**: Mexico [GomezGa2000].

Encarsia narroi Gomez & Garcia, 2000: 50-. Type data: Mexico. Holotype female, by original designation. Type depository: NRCB. Described: both sexes. Illust.

Encarsiella narroi; Myatrtseva & Coronado-Blanco, 2002: xx. Change of combination.

Encarsia narroi; Schmidt & Polaszek, 2007b. Change of combination.

Encarsia (Noyesi) nepalensis (Polaszek & Hayat)

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae** [PolaszHa1992].

DISTRIBUTION: **Oriental**: Nepal [PolaszHa1992].

Encarsiella nepalensis Polaszek & Hayat, 1992: 195-196. Type data: Nepal: Kathmandu. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia nepalensis; Schmidt & Polaszek, 2007b: 85. Change of combination.

Encarsia (Noyesi) noyesi (Hayat)

Encarsiella noyesi Hayat, 1983: 83. Type data: Trinidad: St. George, St. Augustine. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsiella noyesi; Polaszek & Hayat, 1992: 195-196. Revived combination.

Encarsia noyesi; Schmidt & Polaszek, 2007b: 85. Change of combination.

Encarsia (Noyesi) obliqua Schmidt & Polaszek

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007b]); Papua New Guinea [SchmidPo2007b].

Encarsia obliqua Schmidt & Polaszek, 2007b: 89-90. Type data: Papua New Guinea: Central District, Aroa plantation. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia (Noyesi) pithecura (Polaszek)

Encarsiella pithecura Polaszek, 1999: xx. Neotype female and larva, by **present designation**. Type depository: Ithaca: Cornell University Insect Collection, Department of Entomology, Cornell University, NY, USA.

Described: female and larva.

Encarsia pithecura; Schmidt & Polaszek, 2007b: 85. Change of combination.

Encarsia (Noyesi) tachii (Polaszek & Hayat)

DISTRIBUTION: **Oriental**: China (Hainan [PolaszHa1992]).

Encarsiella tachii Polaszek & Hayat, 1992: 196. Type data: China: Hainan Island, Tien Fong Mountains. Holotype female, by original designation. Type depository: BEIJING. Described: female. Illust.

Encarsia tachii; Schmidt & Polaszek, 2007b: 85. Change of combination.

Encarsia (Noyesi) taiwanensis (Chou & Chou)

DISTRIBUTION: **Oriental**: Taiwan [ChouCh1994].

Encarsiella taiwanensis Chou & Chou, 1994: 469-471. Type data: Taiwan. Holotype female, by original designation. Type depository: Taichung: Taiwan Agricultural Research Institute, Entomology Collection, Taiwan. Described: both sexes. Illust.

Encarsia taiwanensis; Schmidt & Polaszek, 2007b: 85. Change of combination.

Encarsia (Noyesi) tamaulipeca (Myartseva and Coronado-Blanco)

DISTRIBUTION: **Nearctic**: Mexico (Tamaulipas [MyatrCo2002]).

Encarsiella tamaulipeca Myartseva and Coronado-Blanco, 2000: xx. Type data: Mexico: Tamaulipas. Neotype female and larva, by **present designation**. Described: female and larva.

Encarsia tamaulipeca; Schmidt & Polaszek, 2007b: 85. Change of combination.

Encarsia (Opulenta) Viggiani & Mazzone

Encarsia (Opulenta) Viggiani & Mazzone, 1979[144]: 45.

Encarsia (Opulenta); Hayat, 1989: 11.

Encarsia (Opulenta) albiscutellum (Girault)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurolobus* sp. [HuangPo1998].

CITATIONS: Hayat1989a [Tdi]; SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1913167, Giraul1915238, Giraul1920352]).

Oriental: China (Fujian (=Fukien) [HuangPo1998]); Taiwan [HuangPo1998].

- Prospaltella albiscutellum* Girault, 1913[167]: 188. Type data: Australia: QLD, Brisbane. Holotype female, by monotypy. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.1730. Described: female.
- Coccophagus albiscutellum schilleri* Girault, 1915[238]: 48. Type data: Australia: QLD, Gordonvale (Cairns). Unknown type status female. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female. Synonymy by Schmidt & Polaszek, 2007a: 2119.
- Coccophagus albiscutellum*; Girault, 1915[238]: 48, 57. Change of combination.
- Coccophagus perbellus* Girault, 1920[352]: 46. Type data: Australia: QLD, Gordonvale. Unknown type status female. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: female. Synonymy by Schmidt & Polaszek, 2007a: 2120.
- Prospaltella albiscutellum*; Compere, 1931: 11.
- Prospaltella perbella*; Compere, 1931: 11. Change of combination.
- Prospaltella schilleri*; Compere, 1931: 11. Change of combination.
- Prospaltella albiscutellum*; Dahms, 1983: 34.
- Encarsia albiscutellum*; Viggiani, 1985[233]: 234-235. Described: female. Illust. Change of combination.
- Encarsia perbella*; Viggiani, 1985[233]: 246. Described: female. Illust. Change of combination.
- Coccophagus perbellus*; Dahms, 1986: 399.
- Encarsia schilleri*; Noyes, 1997. Change of combination.

Encarsia (Opulenta) albiscutellum longipalpa Hayat

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurolobus* [Hayat1989a]. **Coccidae**: *Nipaecoccus* [HayatAy1998].

CITATIONS: ChouChKo1996.

DISTRIBUTION: **Oriental**: India (Tamil Nadu [HayatAy1998], Uttar Pradesh [Hayat1989a]); Taiwan [HayatAy1998].

Encarsia albiscutellum longipalpa Hayat, 1989a: 34-35. Type data: India: Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia albiscutellum longipalpa; Hayat, 1998: 193. Described: both sexes. Illust. Subsequent description.

Encarsia (Opulenta) amacula Viggiani & Ren

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Hemiberlesia pitysophila* Takagi [ViggiaRe1986248, HuangPo1998].

CITATIONS: Huang1994 [Tde]; LiangCh1990 [Ran]; ViggiaRe1993335.

DISTRIBUTION: **Oriental**: China (Guangdong (=Kwangtung) [HuangPo1998, ViggiaRe1986248]).

Encarsia amacula Viggiani & Ren, 1986[248]: 37. Type data: People's Republic of China: Guangdong. Holotype female, by original designation. Type depository: EIGD. Described: female.

Encarsia amacula; Huang & Polaszek, 1998: 1841-1842. Described: both sexes. Illust. Subsequent description.

Encarsia (Opulenta) bangalorensis Hayat

DISTRIBUTION: **Oriental**: India (Kerala [Hayat1989a]).

Encarsia bangalorensis Hayat, 1989a: 35-36. Type data: India: Karnataka, Bangalore. Holotype female, by original designation. Type depository: London: Natural History Museum, England; type no. 979-518. Described: female. Illust.

Encarsia bangalorensis; Hayat, 1998: 197. Described: female. Illust. Subsequent description.

Encarsia (Opulenta) bellottii Evans & Castillo

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurotrachelus socialis* [EvansCa1998], *Trialeurodes variabilis*.

DISTRIBUTION: **Neotropical**: Colombia [EvansCa1998].

KEYS: Evans & Castillo 1998: 172 [Colombia].

Encarsia bellottii Evans & Castillo, 1998: 172-173. Type data: Colombia: Cauca, Buenos Aires; reared from *Aleurotrachelus socialis* on *Manihot esculenta*. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia (Opulenta) clypealis (Silvestri)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocanthus inceratus* Silvestri [Silves1928], *Aleurocanthus woglumi* (Ashby), *Aleyrodes* [HayatAy1998]. **Diaspidae**: *Lepidosaphes beckii?* [HayatAy1998].
 CITATIONS: Flände1969 [Bc]; Hayat1986 [Tc]; HusainAg1982 [Dea]; KrishnVa1996 [Ran, Tc]; Shafee1973 [Tk]; ViggiaMa1979144 [Tn].
 DISTRIBUTION: **Nearctic**: Mexico [HayatAy1998]. **Oriental**: India (Andhra Pradesh [Hayat1989a], Karnataka [Hayat1989a]); Malaysia [HayatAy1998]; Pakistan [HayatAy1998].
Prospaltella clypealis Silvestri, 1928: 28-30. Type data: Indocina: Coxan (Tonkino). Syntypes, female (examined).
 Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.
Encarsia clypealis; Krishnamurti & Usman, 1954: 327-344?. Subsequent description.
Encarsia clypealis; Hayat, 1989a: 30-31. Described: both sexes. Illust. Subsequent description.
Encarsia clypealis; Hayat, 1998: 193-194. Described: both sexes. Illust. Subsequent description.

Encarsia (Opulenta) colima Myartseva

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleurocanthus woglumi* Ashby [Myarts2005].
 DISTRIBUTION: **Nearctic**: Mexico (Colima [Myarts2005]).
Encarsia colima Myartseva, 2005: 150. Type data: Mexico. Holotype male, by original designation. Type depository: Riverside: UCR Entomological Teaching and Research Collection, Univ. Calif., CA, USA. Described: both sexes. Illust.

Encarsia (Opulenta) eurystoma Hayat

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae** [HayatAy1998].
 DISTRIBUTION: **Oriental**: India (Andhra Pradesh [HayatAy1998]).
Encarsia eurystoma Hayat, 1998: 195-196. Type data: India: Andhra Pradesh, Guntur. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: both sexes. Illust.

Encarsia (Opulenta) fujianensis Huang & Polaszek

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurolobus szechwanensis* Young [HuangPo1998].
 DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).
Encarsia fujianensis Huang & Polaszek, 1998: 1882-1884. Type data: China: Fujian, Fuzhou, Jianxin. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Opulenta) ishii (Silvestri)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocanthus spiniferus* (Quaintance) [Silves1926], *Aleurocanthus woglumi* [HuangPo1998], *Aleuroplatus pectiniferus* (Quaintance & Baker).
 CITATIONS: Hayat1989a; LiaoLiPa1987; Thomps1953; ViggiaMa1979144; ViggiaMa1979144; Wu1941.
 DISTRIBUTION: **Oriental**: China (Guangxi (=Kwangsi) [HuangPo1998], Jiangsu (=Kiangsu) [Silves1926]); Hong Kong [HuangPo1998]; Taiwan [HuangPo1998].
Prospaltella ishii Silvestri, 1926: 185-187. Type data: China: Soochow [Jiangsu, Suzhou]. Syntypes, female (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.
Prospaltella ishii; Silvestri, 1928: 25-28. Described: female. Illust. Subsequent description.
Encarsia ishii; Viggiani & Mazzone, 1979[144]: ?? Change of combination.
Encarsia ishii; Huang & Polaszek, 1998: 1896-1897. Described: both sexes. Illust. Subsequent description.

Encarsia (Opulenta) longicauda Hayat

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae** [Hayat1989a], *Aleurotuberculatus murrayae* (Singh) [HuangPo1998].
 CITATIONS: SchmidPo2007a [Da, Ila, Rr]; SchmidPo2007a [Da, Ila, Rr].
 DISTRIBUTION: **Oriental**: India (Andhra Pradesh [HayatAy1998], Rajasthan [HayatAy1998], Tamil Nadu [Hayat1989a]); Taiwan [HuangPo1998].
Encarsia longicauda Hayat, 1989a: 33-34. Type data: India: Tamil Nadu, Sri Rangham. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 276E. Described: both sexes. Illust.
Encarsia longicauda; Huang & Polaszek, 1998: 1904-1906. Described: female. Illust. Subsequent description.
Encarsia longicauda; Hayat, 1998: 196-197. Described: both sexes. Illust. Subsequent description.

Encarsia (Opulenta) nigrifemur (Girault)

DISTRIBUTION: **Oriental:** Indonesia (Java [Girault1914219]).

Prospaltella nigrifemur Girault, 1914[219]: 118. Type data: Java: Passeroean. Lectotype female, by subsequent designation Viggiani, 1986b: 68. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.7309. Described: female.

Encarsia nigrifemur; Viggiani, 1986[249]: 67-68. Described: female. Illust. Change of combination.

Encarsia nigrifemur; Hayat, 1989: ??.

Encarsia (Opulenta) opulenta (Silvestri)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae:** *Aleurocanthus incertus* Silvestri [Silves1928], *Aleurocanthus spiniferus* (Quaintance) [HuangPo1998], *Aleurocanthus woglumi* Ashby? [Willia1991, SwezeyVa1991, SummyGiHa1985, SummyGi1992, TsaiSt1991, Thomps1985, SelhimHaHa1982, RuBrPo].
HYMENOPTERA **Platygastridae:** *Amitus hesperidum* [Willia1991].

CITATIONS: Flade1969 [Bc]; Hayat1986 [Tc]; NguyenSa1987 [Dea, Ila, Int, Fe, Hc, Po]; SelhimHaHa1982 [Dei, Dea, Int, Pa]; Shafee1973 [Tk]; SummyGi1992 [Pa, Po, Bc, Hc]; SummyGiHa1985 [Fe, Lo, Mor, Pa, Po, Bc, Int]; SwezeyVa1991 [Pa, Po, Hc, Cc]; Thomps1985; TsaiSt1991 [Pa, Hc, Bc]; Willia1991 [Ser, Hc].

DISTRIBUTION: **Nearctic:** Mexico [SummyGiHa1985]; United States of America (Florida [NguyenBrPo1983]).

Neotropical: Barbados [Hayat1989a]; Jamaica [Hayat1989a]. **Oriental:** China (Fujian (=Fukien) [HuangPo1998]); India [SummyGiHa1985, Hayat1989a]; Pakistan [SummyGiHa1985]; Vietnam [Silves1928].

Palaeartic: China (Anhui (=Anhui) [HuangPo1998]).

Prospaltella opulenta Silvestri, 1928: 30-32. Type data: Indochina [Vietnam]: Van Phu (Tonkino). Syntypes, female (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia opulenta; Viggiani & Mazzone, 1979[144]: 45. Change of combination.

Encarsia opulenta; Hayat, 1989a: 31-32.

Encarsia opulenta; Huang & Polaszek, 1998: 1929-1930. Described: both sexes. Illust. Subsequent description.

Encarsia opulenta; Hayat, 1998: 194-195. Described: both sexes. Illust. Subsequent description.

Encarsia (Opulenta) perplexa Huang & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae:** *Aleurocanthus woglumi* [HuangPo1998], *Aleuroplatus pectiniferus* [HuangPo1998], *Aleurotuberculatus kuwani* Takahshi [HuangPo1998].

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics.]; ManzarPoBe2002 [molecular phylogenetics.].

DISTRIBUTION: **Nearctic:** Mexico [HuangPo1998]; United States of America [HuangPo1998]. **Oriental:** China (Fujian (=Fukien) [HuangPo1998]); India [HuangPo1998]; Taiwan [HuangPo1998].

Encarsia perplexa Huang & Polaszek, 1998: 1934-1936. Type data: China: Fujian, Fuzhou, Jinshan. Holotype female, by original designation. Type depository: FAU. Described: both sexes. Illust.

Encarsia (Opulenta) punicae Hayat

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae:** *Siphoninus phillyreae*? [HayatAy1998].

DISTRIBUTION: **Oriental:** India (Karnataka [HayatAy1998]).

Encarsia punicae Hayat, 1998: 198-199. Type data: India: Karnataka, Hesaraghatta. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: both sexes. Illust.

Encarsia (Opulenta) subhyalina Schmidt & Polaszek

DISTRIBUTION: **Australasian:** Australia (Queensland [SchmidPo2007a], Western Australia [SchmidPo2007a]).

Encarsia subhyalina Schmidt & Polaszek, 2007a: 2241-2242. Type data: Australia: WA, Kununurra. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Opulenta) terebrator (Shafee)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae** [Hayat1989a].

CITATIONS: Shafee1974 [Dea, Ila].

DISTRIBUTION: **Oriental:** India (Andhra Pradesh [Shafee1974]).

Prospaltella terebrator Shafee, 1974: 33-39. Type data: India, Guntur. Holotype female, by original designation.

Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: both sexes.

Encarsia terebrator; Hayat, 1986: 163. Described: female and larva. Change of combination.

Encarsia terebrator; Hayat, 1989a: 32-33. Described: female. Illust. Subsequent description.

Encarsia (Opulenta) townsendi Howard

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleyrodes*.

DISTRIBUTION: **Nearctic**: Mexico.

Encarsia townsendi Howard, 1907: 78-79. Type data: Mexico: Tabasco. Lectotype female, by subsequent designation Viggiani, 1986b: 75. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female.

Encarsia townsendi; Mercet, 1912a: 165-166. Described: female. Subsequent description.

Encarsia townsendi; Viggiani, 1986[249]: 75. Described: female. Illust. Subsequent description.

Encarsia (Parvella) Viggiani & Mazzone

Encarsia (Parvella) Viggiani & Mazzone, 1979[144]: 46.

Aleurodiphilus DeBach & Rose, 1981: 659-660. Type species: *Aleurodiphilus americanus* DeBach & Rose, by original designation. Synonymy by Hayat, 1983: 85.

Encarsia (Parvella); Hayat, 1989: 10.

Encarsia (Parvella) acaudaleyrodidis Hayat

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Acaudaleyrodes rachipoda* (Singh) [new]. Hosts - HEMIPTERA **Aleyrodidae**: *Acaudaleyrodes citri* (Priesner & Hosny) [PolaszAb1999], *Acaudaleyrodes rhachipora* [PolaszEvBe1992], *Bemisia tabaci* (Gennadius) [PolaszAb1999], *Tetraleurodes leguminicola* Bink. [PolaszAb1999].

CITATIONS: DeBachRo1981 [Dea, No]; Hayat1976 [Ila, An]; Hayat1986 [Tc]; HernanCaAg2003 [Rr, Da]; KrishnVa1996 [Dea, Hre]; Mani1989 [Dea].

DISTRIBUTION: **Oriental**: India (Delhi [Hayat1989a], Rajasthan [Hayat1989a]). **Palaeartic**: Canary Islands [HernanCaAg2003].

Encarsia acaudaleyrodidis Hayat, 1976: 158-159. Type data: India, Sardar Samand. Holotype female, by original designation. Type depository: Calcutta: National Zoological Collection, Zoological Survey of India, India. Described: both sexes. Illust.

Encarsia acaudaleyrodidis; Hayat, 1989a: 28-29. Described: both sexes. Illust. Subsequent description.

Encarsia acaudaleyrodidis; Hayat, 1998: 190-191. Described: both sexes. Illust. Subsequent description.

Encarsia acaudaleyrodidis; Polaszek, Abd-Rabou and Huang, 1999: 135-137. Illust. Subsequent description.

Encarsia acaudaleyrodidis; Hernandez-Suarez et al., 2003: 59. Subsequent description.

Encarsia (Parvella) aleurolati Viggiani

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurolatus cadabae* Priesner & Hosny [Viggia1988275].

CITATIONS: PedataPo2003 [Da, ill, Rr].

DISTRIBUTION: **Afrotropical**: Ethiopia [Viggia1988275]; Somalia [PedataPo2003].

Encarsia aleurolati Viggiani, 1988[275]: 33-35. Type data: Ethiopia: Melka Werer. Holotype female, by original designation. Type depository: UNP. Described: female. Illust.

Encarsia (Parvella) americana (DeBach & Rose)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurothixus floccossus* (Maskell) [DeBachRo1981].

CITATIONS: Hayat1983; SchaufEvHe1996 [Tde].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sur [DeBachRo1981], Colima [DeBachRo1981], Guerrero [DeBachRo1981], Morelos [DeBachRo1981], Oaxaca [DeBachRo1981], San Luis Potosi [DeBachRo1981], Sinola [DeBachRo1981], Veracruz [DeBachRo1981]); United States of America (California [SchaufEvHe1996]). **Neotropical**: Brazil (Rio de Janeiro [DeBachRo1981]); El Salvador [DeBachRo1981]; Honduras [SchaufEvHe1996].

Aleurodiphilus americanus DeBach & Rose, 1981: 660-670. Type data: Mexico: Colima, Santiago (Manzanillo). Holotype female, by original designation. Type depository: Riverside: UCR Entomological Teaching and Research Collection, Univ. Calif., CA, USA. Described: both sexes. Illust.

Encarsia americana; Hayat, 1983: 70. Change of combination.

Encarsia (Parvella) aseta Hayat & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurotrachelus* sp. [HuangPo1998], *Dialeurologa elongata* Dozier [HayatPo1992].

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Hawaiian Islands [HuangPo1998]. **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Shanghai [HuangPo1998]).

Encarsia aseta Hayat & Polaszek, 1992: 107-109. Type data: India: Maharashtra, Nagpur. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust. *Encarsia aseta*; Huang & Polaszek, 1998: 1844-1845. Described: female. Illust. Subsequent description. *Encarsia aseta*; Hayat, 1998: 191-192. Described: female. Illust. Subsequent description.

Encarsia (Parvella) basicincta Gahan

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurothrixus floccosus* (Maskell) [DeSant1979a, Gahan1927].

CITATIONS: DeBachRo1981 [No]; Viggia1993338 [Tky].

DISTRIBUTION: **Neotropical**: Puerto Rico & Vieques Island [Gahan1927].

Encarsia basicincta Gahan, 1927: 20-21. Type data: Puerto Rico.. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA.

Encarsia (Parvella) citrofila (Silvestri)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Dialeurodes citri* [Silves1928].

CITATIONS: Hayat1976 [Dea].

DISTRIBUTION: **Oriental**: Vietnam [Silves1928].

Prospaltella citrofila Silvestri, 1928: 33-34. Type data: Indocina: Coxan (Tonkino). Syntypes, female (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia (Parvella) flavescens Huang & Polaszek

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia flavescens Huang & Polaszek, 1998: 1876-1877. Type data: China: Fujian, Fuzhou. Holotype female, by original designation. Type depository: FAU. Described: female. Illust.

Encarsia (Parvella) gerlingi Viggiani

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurolobus* sp. [Viggia1989293].

CITATIONS: Viggia1989293.

DISTRIBUTION: **Afrotropical**: Kenya [Viggia1989293]. **Oriental**: China (Fujian (=Fukien) [HuangPo1998]).

Encarsia gerlingi Viggiani, 1989[293]: 515-517. Type data: Kenya: Malindi. Holotype female, by original designation. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. *Encarsia gerlingi*; Huang & Polaszek, 1998: 1885-1887. Described: female. Illust. Subsequent description.

Encarsia (Parvella) lanceolata Evans & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurotrachelus atratus* Hempel, *Bemisia tabaci* complex [EvansPo1997], *Tetraleurodes acaciae* (Quaintance) [EvansPo1997].

CITATIONS: EvansPo1997.

DISTRIBUTION: **Nearctic**: Mexico (Mexico State [EvansPo1997]); United States of America (Florida [EvansPo1997]). **Neotropical**: Brazil (Para: [EvansPo1997]); Ecuador [EvansPo1997]; Puerto Rico & Vieques Island [EvansPo1997].

Encarsia lanceolata Evans & Polaszek, 1997: 564-565. Type data: Puerto Rico: Mayaguez. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia (Parvella) mineoi Viggiani

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Acaudaleyrodes citri* [RivnayGe1987, PolaszAb1999], *Bemisia tabaci* (Gennadius) [PolaszEvBe1992, Viggia1982185, SchmidNaDe2001, PolaszAb1999], *Siphoninus phillyreae* [PolaszAb1999].

CITATIONS: BabcocHeDe2001 [morphological and molecular phylogenetics.]; ManzarPoBe2002 [molecular phylogenetics.]; SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Afrotropical**: Sudan [PolaszEvBe1992]. **Australasian**: Australia (Queensland [SchmidNaDe2001]). **Palaeartic**: Egypt [PolaszEvBe1992]. **Palaeartic**: Egypt [PolaszAb1999]. **Palaeartic**: Libya [Viggia1982185].

KEYS: Schmidt et al. 2001: 372 [Australia].

Encarsia mineoi Viggiani, 1982[185]: 27. Type data: Libya: Sidi Mesri. Holotype female, by original designation.

Type depository: UNP. Described: both sexes. Illust.

Encarsia mineoi; Polaszek et al, 1992: 386. Described: female. Illust. Subsequent description.

Encarsia mineoi; Polaszek, Abd-Rabou and Huang, 1999: 156-158. Illust. Subsequent description.

Encarsia mineoi; Schmidt et al., 2001: 379-381. Illust. Subsequent description.

Encarsia (Parvella) nipponica Silvestri

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocanthus spiniferus* [Silves1928], *Aleurotuberculatus jasmini* [HuangPo1998], *Aleurotuberculatus melastomae* [HuangPo1998].

CITATIONS: DeBachRo1981 [No]; Hayat1976 [Dea]; LiaoLiPa1987; ViggiaRe1993335.

DISTRIBUTION: **Australasian**: Hawaiian Islands (Hawaii [Viggia1993338]). **Oriental**: China (Fujian (=Fukien) [HuangPo1998]). **Palaeartic**: Japan [Silves1928].

Encarsia nipponica Silvestri, 1928: 42-44. Type data: Japan: Nagasaki. Syntypes, female (examined). Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia nipponica; Hayat, 1976: 157.

Encarsia hawaiiiana Viggiani, 1993[338]: 121-123. Type data: Hawaii, Hilo. Holotype female, by original designation. Type depository: UNP. Described: female. Illust. Synonymy by Huang & Polaszek, 1998: 1924.

Encarsia nipponica; Huang & Polaszek, 1998: 1924-1925. Described: female. Illust. Subsequent description.

Encarsia (Parvella) parvella Silvestri

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**.

CITATIONS: DeBachRo1981 [No]; Hayat1976 [Dea].

DISTRIBUTION: **Afrotropical**: Nigeria [Silves1915].

Encarsia parvella Silvestri, 1915: 346-366?. Type data: Nigeria: Lagos.

Encarsia parvella; Hayat, 1989: ??.

Encarsia (Parvella) pergandiella Howard

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleuroplates coronatus* (Quaint.) [Gordh1979, Gerlin1966], *Aleurotrachelus socialis* [EvansCa1998], *Aleyrodes azalea* Baker & Moles [Gerlin1966], *Aleyrodes spiraeoides* Quaintance [Gerlin1966], *Bemisia tabaci* (Gennadius) [RivnayGe1987, SchmidNaDe2001], *Trialeurodes variabilis* (Quaintance) [PolaszEvBe1992], *Trialeurodes abutilonea* (Hald.) [Gordh1979], *Trialeurodes packardi* Morill [Hunter1989a, Hunter1993b, HunterNuWe1993a, Hunter1989b], *Trialeurodes vaporariorum* (Westwood) [RivnayGe1987, Hunter1989a, HunterNuWe1993a, Hunter1989b, SchmidNaDe2001], *Trialeurodes variabilis* [EvansCa1998].

CITATIONS: BabcocHeDe2001 [morphological and molecular phylogenetics.]; DeBachRo1981 [No]; Gerlin1966 [No, Dea, Ila, Ili, Sed, Dev, Em, Fe, Lo, Pa, Ser, Hc, Ho, Ov, Hy, Bc]; Gerlin1966 [Dea]; Girault190848 [Dea, An, Ge, Ho]; Hayat1976 [Dea]; Hunter1989a [Pa, Sed, Ov, Hc, Bc]; Hunter1989b [Dev, Mor, Ov]; Hunter1993b [Sed, Pa, Ser, Ov, Hc]; HunterNuWe1993a [Ili, Ka, Dev, Sed, Ser]; ManzarPoBe2002 [molecular phylogenetics.]; PolaszEvBe1992; RivnayGe1987 [Int, Hc]; SchmidPo2007a [Da, Ila, Rr]; Vet1980 [Bc, Bp, Fe, Dev, Lo, Ov]; Viggia1993338 [Tky]; Viggia1993338 [Cco, Iec, Lhi, Rng].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidNaDe2001], South Australia [SchmidNaDe2001], Victoria [SchmidNaDe2001]). **Nearctic**: Mexico [PolaszEvBe1992]; United States of America (California [Viggia1988277, RivnayGe1987]). **Neotropical**: Brazil [PolaszEvBe1992]; Colombia [EvansCa1998] [PolaszEvBe1992]; Costa Rica [PolaszEvBe1992]; El Salvador [PolaszEvBe1992]; Grenada [PolaszEvBe1992]; Guadeloupe [PolaszEvBe1992]; Guatemala [PolaszEvBe1992]; Honduras [PolaszEvBe1992]; Puerto Rico & Vieques Island [PolaszEvBe1992]; Venezuela [PolaszEvBe1992]. **Palaeartic**: Israel [RivnayGe1987]; Italy [Viggia1988277].

KEYS: Schmidt et al. 2001: 372 [Australia.]; Evans & Castillo 1998: 172. [Colombia].

Encarsia pergandiella Howard, 1907: 78. Type data: USA: DC, Washington. Holotype female. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female.

Encarsia versicolor Girault, 1908[48]: 53. Type data: USA: IL, Urbana (greenhouse). Syntypes, X. Type depository:

Champaign: Illinois Natural History Survey Insect Collection, IL, USA; type no. 37474. Synonymy by Gahan in Peck, 1951: 438.

Encarsia pergandiella; Mercet, 1912a: 163-164. Described: female. Subsequent description.

Encarsia versicolor; Mercet, 1912a: 167-172. Described: both sexes. Subsequent description.

Encarsia pergandiella; Viggiani & Mazzone, 1980[161]: 40. Subsequent description.

Encarsia bemisiae DeSantis, 1981: 37. Type data: Brazil: Sao Paulo. Holotype female. Type depository: La Plata: Museo de la Plata, Universidad Nacional de La Plata, Division Entomologia, Argentina. Described: female.

Synonymy by Polaszek et al, 1992: 387.

Aleurodiphilus pergandiella; DeBach & Rose, 1981: 666. Change of combination.

Encarsia tabacivora Viggiani, 1985[232]: 82. Replacement name.

Encarsia pergandiella; Viggiani, 1988[277]: 160-162. Described: both sexes. Illust. Subsequent description.

Encarsia pergandiella; Polaszek et al, 1992: 386-387. Described: both sexes. Illust. Subsequent description.

Encarsia pergandiella; Schmidt et al., 2001: 381-383. Illust. Subsequent description.

Encarsia (Parvella) sueloderi Polaszek

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurotulus pteridophytae* Martin [MoundMaPo1994].

DISTRIBUTION: **Neotropical**: Costa Rica [MoundMaPo1994].

Encarsia sueloderi Polaszek, 1994: 1409-1412. Type data: Costa Rica: north Heredia Province, La Selva Biological Reserve. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia (Perflava) Hayat

Encarsia (Perflava) Hayat, 1989: 11.

No species found.

Encarsia (Pergandiella) Viggiani & Mazzone

Encarsia (Pergandiella) Viggiani & Mazzone, 1979[144]: 46.

Encarsia (Pergandiella); Viggiani, 1993: 123. Change of status.

KEYS: Viggiani 1993: 123 (adult) [Pergandiella group.].

No species found.

Encarsia (Scapeata) Viggiani

Encarsia (Scapeata) Viggiani, 1989[305]: 178.

Encarsia (Scapeata) longisetae Viggiani

DISTRIBUTION: **Afrotropical**: Senegal [Viggiani1989305].

Encarsia longisetae Viggiani, 1989[305]: 175-178. Type data: Senegal: Cape Verde Island, S. Jorge. Holotype female, by original designation. Type depository: UNP. Described: both sexes. Illust.

Encarsia (Scapeata) scapeata Rivnay

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae** [RivnayGe1987].

CITATIONS: RivnayGe1987 [Dea, Ila].

DISTRIBUTION: **Palearctic**: Israel [RivnayGe1987].

Encarsia scapeata Rivnay, 1987: 467-469. Type data: Israel: Mt. Meron. Holotype female, by original designation. Type depository: TEL AVIV. Described: both sexes. Illust.

Encarsia (Septentrionalis) Hayat

Encarsia (Septentrionalis) Hayat, 1989: 11.

Encarsia (Septentrionalis) septentrionalis Hayat

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurolobus* [Hayat1989a], *Dialeurodes* [Hayat1989a], *Singhiella bicolor* [Hayat1989a]. **Coccidae**: *Cerococcus?* [Hayat1989a].

DISTRIBUTION: **Oriental**: India (Bihar [Hayat1989a], Delhi [Hayat1989a], Uttar Pradesh [Hayat1989a]); Pakistan [HayatAy1998].

Encarsia septentrionalis Hayat, 1989a: 68-69. Type data: India: Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type

no. 100E. Described: female. Illust.

Encarsia septentrionalis; Hayat, 1998: 208-209. Described: female. Illust. Subsequent description.

Encarsia (Singularis) Viggiani & Ren

Encarsia (Singularis) Viggiani & Ren, 1987[274]: 25.

Encarsia (Singularis) africana (Hill)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Incoaspis dentolibis* [Hill1970].

DISTRIBUTION: **Afrotropical**: Uganda [Hill1970].

Hispaniella africana Hill, 1970: 97-99. Type data: Uganda. Holotype female; type no. BMNH. Described: female.

Encarsia lounsburyi; Subba Rao, 1984: ?? . Change of combination.

Encarsia africana; Viggiani, 1985[232]: 90. Change of combination.

Encarsia (Singularis) liliyingae Viggiani & Ren

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**.

CITATIONS: ViggiaRe1993335.

DISTRIBUTION: **Oriental**: China (Guangdong (=Kwangtung) [ViggiaRe1987274]).

Encarsia liliyingae Viggiani & Ren, 1988[274]: 25-28. Type data: People's Republic of China: Guangdong, Guangzhou. Holotype female, by original designation. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia liliyingae; Huang & Polaszek, 1998: 1903-1904. Described: female and larva. Subsequent description.

Encarsia (Singularis) singularis (Silvestri)

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Cornuaspis beckii* [Silves1930].

CITATIONS: Thomps1953.

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung) [HuangPo1998]); Taiwan [Silves1930].

Prospaltella singularis Silvestri, 1930: 57-59. Type data: Taiwan: Washoshu. Holotype male (examined), by monotypy. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: male. Illust.

Prospaltella beethoveni Girault, 1931[435]: 3 [282]. Described: female and larva. Unjustified replacement name for *singularis* Silvestri 1930; discovered by Woolley, 2000.

Encarsia singularis; Huang & Polaszek, 1998: 1944-1947. Described: both sexes. Illust. Subsequent description.

Encarsia (Smithi) Viginai & Mazzone

Encarsia (Smithi) Viginai & Mazzone, 1979[144]: 45.

Encarsia (Smithi) bunyae Schmidt & Polaszek

ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleurocanthus* sp. [new].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia bunyae Schmidt & Polaszek, 2007a: 2142-2143. Type data: Australia: QLD, Bunya Mountains. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Smithi) fasciola Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).

Encarsia fasciola Schmidt & Polaszek, 2007a: 2164-2165. Type data: Australia: NSW, Tooloom Plateau. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Strenua) Viggiani & Mazzone

Encarsia (Strenua) Viggiani & Mazzone, 1979[144]: 46.

Encarsia (Strenua); Hayat, 1989: 11.

Encarsia (Strenua); Polaszek et al., 1992: 388.

Encarsia (Strenua) abundantia Chou & Su

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Dialeurodes citri* (Ashmead), *Dialeurodes dioscoreae*

[ChouSuCh1996], *Dialeurodes kirkaldi* [ChouSuCh1996], *Dialeurodes tetrastigmae* [ChouSuCh1996].

DISTRIBUTION: **Oriental**: Taiwan [ChouSuCh1996, HuangPo1998].

Encarsia abundantia Chou & Su, 1996: 137-139. Type data: Taiwan: Taichung, Wufeng. Holotype female, by original designation. Type depository: Taichung: Taiwan Agricultural Research Institute, Entomology Collection, Taiwan. Described: female. Illust.

Encarsia abundantia; Huang & Polaszek, 1998: 1836-1837. Described: female. Illust. Subsequent description.

Encarsia (Strenua) armata (Silvestri)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurolobus subrotundus* Silvestri [Silves1928].

DISTRIBUTION: **Oriental**: Vietnam [Silves1928].

Prospaltella armata Silvestri, 1927: 38-39. Type data: Vietnam [Indocina]: Langson. Holotype female. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia armata; Viggiani & Mazzone, 1979[144]: 46. Change of combination.

Encarsia protransvena Viggiani, 1985[232]: 89. Type data: Vietnam: Langson [CHECK]. Type depository: UNP. Described: female. Synonymy by Evans (unpublished), 1993.

Encarsia (Strenua) bimaculata Heraty & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Bemisia argentifolia* Perring & Bellows [HeratyPo2000], *Bemisia tabaci* (Gennadius) [HeratyPo2000, SchmidNaDe2001], *Trialeurodes vaporariorum* (Westwood) [SchmidNaDe2001].

CITATIONS: ManzarPoBe2002 [molecular phylogenetics.]; SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Afrotropical**: Sudan? [HeratyPo2000]. **Australasian**: Australia (Northern Territory [SchmidNaDe2001], Queensland [SchmidNaDe2001], Victoria [SchmidNaDe2001]); Papua New Guinea [SchmidNaDe2001]. **Nearctic**: Mexico? [HeratyPo2000]; United States of America (Florida [HeratyPo2000], Texas? [HeratyPo2000]). **Oriental**: India [HeratyPo2000]; Indonesia (Java [SchmidNaDe2001]); Philippines [HeratyPo2000]; Thailand [HeratyPo2000]. **Palaeartic**: Israel [HeratyPo2000].

KEYS: Schmidt et al. 2001: 373 [Australia].

Encarsia bimaculata Heraty & Polaszek, 2000: 155-157. Type data: India: Tabarhani (culture in Gainesville, FL). Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Illust.

Encarsia bimaculata; Schmidt et al., 2001: 376-378. Illust. Subsequent description.

Encarsia (Strenua) brevivena Hayat

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* (Gennadius) [Hayat1989a], *Lipaleyrodes* [PolaszEvBe1992].

DISTRIBUTION: **Oriental**: India (Maharashtra [Hayat1989a, Hayat1989b]).

Encarsia brevivena Hayat, 1989a: 65-66. Type data: India: Maharashtra, Elephanta (caves off Bombay). Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 84E. Described: female. Illust.

Encarsia brevivena; Polaszek et al., 1992: 381. Described: both sexes. Subsequent description.

Encarsia brevivena; Hayat, 1998: 203-204. Described: female. Illust. Subsequent description.

Encarsia (Strenua) capensis Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Western Australia [SchmidPo2007a]).

Encarsia capensis Schmidt & Polaszek, 2007a: 2144-2145. Type data: Australia: WA, Cape Arid National Park. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Strenua) catherinae (Dozier)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleuroplatus catalpa* [Dozier1933a].

DISTRIBUTION: **Neotropical**: Haiti [Dozier1933a].

Trichoporus catherinae Dozier, 1933a: 92-93. Type data: Haiti: Damien. Syntypes, female. Type depository:

Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA; type no. 44820. Described: female.

Encarsia catherinae; De Santis, 1979a: 329. Change of combination.

Encarsia catherinae; Viggiani, 1989[306]: 211. Described: female. Subsequent description.

Encarsia (Strenua) citri (Ishii)

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Dialeurodes citri* Riley [Ishii1938].

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics (near citri).]; ManzarPoBe2002 [molecular phylogenetics (near citri).]; PolaszHa1992 [Dea].

DISTRIBUTION: **Palaeartic**: Japan [Ishii1938, HeratyPo2000].

Prospaltella citri Ishii, 1938: 29-30. Type data: Japan: Nagasaki. Syntypes, female. Type depository: NIAS. Described: female.

Encarsia strenua; Polaszek et. al., 1992: 338. Described: female and larva. Incorrect synonymy; discovered by Heraty & Polaszek, 2000.

Encarsia citri; Heraty & Polaszek, 2000: 157-158. Illust. Subsequent description.

Encarsia (Strenua) dialeurodis Hayat

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Dialeurodes* sp.? [Hayat1989a]

DISTRIBUTION: **Oriental**: India (Uttar Pradesh [HayatAy1998]); Pakistan [Hayat1989a, Hayat1989b].

Encarsia dialeurodis Hayat, 1989a: 75-76. Type data: Pakistan: Multan. Holotype female, by original designation.

Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 272E. Described: female. Illust.

Encarsia dialeurodis; Hayat, 1998: 204. Described: both sexes. Illust. Subsequent description.

Encarsia (Strenua) japonica Viggiani

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocybotus indicus* David & Subramaniam [HuangPo1998], *Bemisia tabaci* (Gennadius) [PolaszEvBe1992], *Trialeurodes vaporariorum* (Westwood) [PolaszEvBe1992].

CITATIONS: ChouLi1993; Huang1994 [Tde].

DISTRIBUTION: **Oriental**: China (Fujian (=Fukien) [HuangPo1998]). **Palaeartic**: Japan [Viggia1981173].

Encarsia japonica Viggiani, 1981[173]: 61-63. Type data: Japan: Fukuoka. Holotype female, by original designation. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: both sexes. Illust.

Encarsia japonica; Polaszek et al., 1992: 384. Described: female. Subsequent description.

Encarsia japonica; Huang & Polaszek, 1998: 1898-1899. Described: both sexes. Illust. Subsequent description.

Encarsia (Strenua) kalamundae Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (Western Australia [SchmidPo2007a]).

Encarsia kalamundae Schmidt & Polaszek, 2007a: 2176-2177. Type data: Australia: WA, Kalamunda National Park. Holotype male, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: male. Illust.

Encarsia (Strenua) lehri Jasnosh

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae** [Jasnos1989], *Aleurolobus wunni* (Riberg) [Jasnos1989].

DISTRIBUTION: **Palaeartic**: Russia [Jasnos1989].

Encarsia lehri Jasnosh, 1989: 112-113. Type data: Russia: Vladivostok, Okeanskaya (botanical gardens). Holotype female, by original designation. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia; type no. 808. Described: female. Illust.

Encarsia (Strenua) longivalvula Viggiani

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* Gennadius [HuangPo1998], *Dialeurodes citri* [HuangPo1998], *Dialeurodes tetrastigmae* [HuangPo1998], *Dialeuropora decempunctata* [Viggia1985232].

CITATIONS: Hayat1989a [Tn]; SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Oriental**: Pakistan [Viggia1985232]; Taiwan [HuangPo1998].

Encarsia longivalvula Viggiani, 1985[232]: 85-86. Type data: Pakistan: Peshawar. Holotype female, by original designation. Type depositories: UNP, and Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: both sexes. Illust.

Encarsia longivalvula; Hayat, 1989a: 74. Described: female. Illust. Subsequent description.

Encarsia longivalvula; Huang & Polaszek, 1998: 1907-1909. Described: female. Illust. Subsequent description.

Encarsia (Strenua) magnivena Huang & Polaszek

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Dialeurodes citri* [HuangPo1998], *Dialeurodes tetrastigmae* [HuangPo1998].

DISTRIBUTION: **Oriental**: Taiwan [HuangPo1998].

Encarsia magnivena Huang & Polaszek, 1998: 1914-1915. Type data: Taiwan: Wufeng. Holotype male, by original designation. Type depository: Taichung: Taiwan Agricultural Research Institute, Entomology Collection, Taiwan. Described: male. Illust.

Encarsia (Strenua) maritima Jasnosh

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurolobus wunni* [Jasnos1989].

DISTRIBUTION: **Palaeartic**: Russia [Jasnos1989].

Encarsia maritima Jasnosh, 1989: 114-116. Type data: Russia: Vladivostok, Botanical Gardens. Holotype female, by original designation. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: female. Illust.

Encarsia (Strenua) maura Schmidt & Polaszek

DISTRIBUTION: **Australasian**: Australia (New South Wales [SchmidPo2007a]).

Encarsia maura Schmidt & Polaszek, 2007a: 2196-2197. Type data: Australia: NSW, Point Lookout, New England National Park. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Strenua) muliyali Mani

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurolobus barodensis* (Maskell) [Mani1940].

CITATIONS: Hayat1986; Mahmoo1955.

DISTRIBUTION: **Oriental**: Thailand [Viggia1981173].

Encarsia muliyali Mani, 1940: 35. Type data: India: Cuttack. Holotype female, by monotypy. Type depository: INPC; type no. PCS-23C. Described: female.

Encarsia ochai Viggiani, 1981[173]: 63-65. Type data: Thailand: Kanchanaburi. Holotype female, by original designation. Type depository: UNP. Described: female. Illust. Synonymy by Hayat, 1989a: 74.

Encarsia muliyali; Hayat, 1989a: 74-75. Described: female. Illust. Subsequent description.

Encarsia muliyali; Hayat, 1998: 205. Described: both sexes. Illust. Subsequent description.

Encarsia (Strenua) neocala Heraty & Polaszek

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Orchamnoplatus caledonicus* (Dumbleton) [HeratyPo2000].

DISTRIBUTION: **Australasian**: New Caledonia [HeratyPo2000].

Encarsia neocala Heraty & Polaszek, 2000: 158-160. Type data: New Caledonia: Noumea. Holotype female (examined), by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.

Encarsia (Strenua) norani Hayat

DISTRIBUTION: **Oriental**: India (Uttar Pradesh [Hayat1989a]).

Encarsia norani Hayat, 1989a: 69-70. Type data: India: Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India; type no. 85E. Described: female. Illust.

Encarsia norani; Hayat, 1998: 214-215. Described: female. Illust. Subsequent description.

Encarsia (Strenua) oakeyensis Schmidt & Naumann

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Bemisia tabaci* (Gennadius) [SchmidNaDe2001],

Trialeurodes vaporariorum (Westwood) [SchmidNaDe2001].

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidNaDe2001]).

KEYS: Schmidt et al. 2001: 373 [Australia].

Encarsia oakeyensis Schmidt & Naumann, 2001: 381. Type data: Australia: Queensland, Oakey. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Strenua) olgae Schmidt & PolaszekASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae** [new].DISTRIBUTION: **Australasian**: Australia (Western Australia [SchmidPo2007a]).*Encarsia olgae* Schmidt & Polaszek, 2007a: 2206-2207. Type data: Australia: WA, Beedelup National Park.

Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Strenua) papaceki Schmidt & PolaszekASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Aleurocanthus* [new].DISTRIBUTION: **Australasian**: Australia (Queensland [SchmidPo2007a]).*Encarsia papaceki* Schmidt & Polaszek, 2007a: 2208-2210. Type data: Australia: QLD, Mundubbera. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.**Encarsia (Strenua) pedana Schmidt & Polaszek**ASSOCIATIONS: Associate - HEMIPTERA **Aleyrodidae**: *Synaleurodicus* sp. [new].DISTRIBUTION: **Australasian**: Australia (New South Wales [SchmidPo2007a], Western Australia [SchmidPo2007a]).*Encarsia pedana* Schmidt & Polaszek, 2007a: 2210-2212. Type data: Australia: NSW, Cobark Forest Park, Barrington Tops. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.**Encarsia (Strenua) perconfusa Evans & Abd-Rabou**DISTRIBUTION: **Palaeartic**: Egypt [EvansAb2005].*Encarsia perconfusa* Evans & Abd-Rabou, 2005: 4-6. Type data: Egypt. Holotype female, by original designation. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: female. Illust.**Encarsia (Strenua) perstrenua (Silvestri)**ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Dialeurodes citrifolii* [Silves1928], *Dialeurodes trovai* [Silves1928].DISTRIBUTION: **Oriental**: Vietnam [Silves1928].*Prospaltella perstrenua* Silvestri, 1927: 36-38. Type data: Vietnam [Indocina]: Langson (Tonkino). Syntypes, female. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.*Encarsia perstrenua*; Viggiani & Mazzone, 1979[144]: 46. Change of combination.**Encarsia (Strenua) praecipua Schmidt & Polaszek**DISTRIBUTION: **Australasian**: Australia (Tasmania [SchmidPo2007a]).*Encarsia praecipua* Schmidt & Polaszek, 2007a: 2222-2223. Type data: Australia: TSM, Pelion Hut, 3 km S Mt Oakleigh. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.**Encarsia (Strenua) primitiva Viggiani**ASSOCIATIONS: Host - HEMIPTERA **Diaspididae?**: *Lilsaea*.DISTRIBUTION: **Oriental**: Pakistan [Viggia1988275].*Encarsia primitiva* Viggiani, 1988[275]: 37-39. Type data: Pakistan: Muree. Holotype female, by original designation. Type depository: London: Natural History Museum, England. Described: female. Illust.**Encarsia (Strenua) protransvena Viggiani**ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleurocanthus* sp. [SchmidNaDe2001], *Aleurotrachelus rubi* Takahashi [HeratyPo2000], *Bemisia argentifolia*, *Bemisia tabaci* (Gennadius) [HuangPo1998, SchmidNaDe2001], *Dialeurodes* sp., *Dialeurodes citri* [HuangPo1998, PolaszAb1999], *Dialeurodes citrifolii* [HuangPo1998], *Dialeurodes kirkaldii* [Viggia1985232, HuangPo1998], *Parabemisia myricae*, *Trialeurodes abutiloneus*, *Trialeurodes packardi* (Morrill) [HuangPo1998], *Trialeurodes vaporariorum* (Westwood) [SchmidNaDe2001], *Trialeurodes variabilis*. **Diaspididae**: *Aspidiotus* sp.?, *Parlatoria ziziphi?*.

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics.]; BoothPo1996; ManzarPoBe2002

[molecular phylogenetics.]; NguyenHa1985; SchaufEvHe1996; SchmidPo2007a [Da, Ila, Rr].
 DISTRIBUTION: **Australasian**: Australia (Western Australia [SchmidNaDe2001]); Fiji [SchmidNaDe2001];
 Hawaiian Islands [NguyenHa1985]. **Nearctic**: United States of America (California [PolaszEvBe1992], Florida
 [Viggia1985232], Georgia [HuangPo1998]). **Neotropical**: Cayman Islands; Colombia; Honduras
 [PolaszEvBe1992]; Puerto Rico & Vieques Island [PolaszEvBe1992]. **Oriental**: China (Guangdong
 (=Kwangtung) [HuangPo1998]); Taiwan [HuangPo1998]. **Palearctic**: Egypt [PolaszAb1999]; Spain.
 KEYS: Schmidt et al. 2001: 373 [Australia.].

Encarsia protransvena Viggiani, 1985[232]: 89-90. Type data: USA: FL, Broward Co., Fort Lauderdale. Holotype
 female, by original designation. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy.
 Described: female. Illust.

Encarsia strenua; Polaszek, Evans & Bennett, 1992: 388. Described: female. Illust. Misidentification; discovered by
 Huang & Polaszek, 1998: 1942.

Encarsia strenua; Polaszek et al., 1992: 388. Illust. Misidentification; discovered by Heraty & Polaszek, 2000: 160.

Encarsia protransvena; Schauf et al., 1996: 27. Illust. Subsequent description.

Encarsia strenua; Schauf et al., 1996: 29. Illust. Misidentification; discovered by Heraty & Polaszek, 2000: 160.

Encarsia protransvena; Huang & Polaszek, 1998: 1941. Illust. Subsequent description.

Encarsia protransvena; Polaszek, Abd-Rabou and Huang, 1999: 158-160. Illust. Subsequent description.

Encarsia protransvena; Heraty & Polaszek, 2000: 160-163. Illust. Subsequent description.

Encarsia protransvena; Schmidt et al., 2001: 383. Illust. Subsequent description.

Encarsia (Strenua) quercicola (Howard)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleuroplatus coronatus* (Quaint.) [Peck1951], *Aleuroplatus
 gelatinosus* Cockerell [Howard1908a, Howard1911], *Aleyrodes gelatinosus* Cook [Howard1908a].

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics.]; Howard1908a [Dea]; Howard1911
 [Hc]; ManzarPoBe2002 [molecular phylogenetics.].

DISTRIBUTION: **Nearctic**: United States of America (California [Howard1908a]).

Prospaltella quercicola Howard, 1908a: 282, 284. Type data: USA: CA, Los Angeles. Syntypes, female. Type
 depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural
 History, DC, USA; type no. 12163. Described: female.

Prospaltella quercicola; Mercet, 1912a: 212-213. Described: female. Subsequent description.

Encarsia quercicola; Viggiani, 1986[249]: 73. Described: female. Illust. Change of combination.

Encarsia (Strenua) ramsesi Polaszek

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Ramesesseus folloti* Zahradnik [PolaszAb1999].

DISTRIBUTION: **Palearctic**: Egypt [PolaszAb1999].

Encarsia ramsesi Polaszek, 1999: 160. Type data: Egypt: New Valley, Dakhla. Holotype female, by original
 designation. Type depository: London: Natural History Museum, England. Described: female. Illust.

Encarsia (Strenua) sinica Viggiani & Ren

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Dialeurodes* sp. [ViggiaRe1993335].

DISTRIBUTION: **Oriental**: China (Guangdong (=Kwangtung) [ViggiaRe1993335]); Indonesia (Ceram
 [HuangPo1998]).

Encarsia sinica Viggiani & Ren, 1993[335]: 224. Type data: China: Guangdong, Zhanjiang. Holotype female, by
 original designation. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described:
 female. Illust.

Encarsia sinica; Huang & Polaszek, 1998: 1947-1949. Described: female. Illust. Subsequent description.

Encarsia (Strenua) sophia (Girault & Dodd)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae** [Abbass1975], [Hayat1989a], *Acaulaleyrodes rhachipora*
 [Hayat1989a], *Aleurocybotus indicus* [PolaszEvBe1992], *Aleurodicus dispersus* Russell [PolaszEvBe1992],
Aleurolobus sp. near niloticus [Hayat1989a], *Aleyrodes hibisci*, *Bemisia tabaci* (Gennadius) [PolaszEvBe1992,
 Hayat1989a, Gerlin1985, SchmidNaDe2001], *Dialeurodes citri* [HuangPo1998], *Parabemisia myricae* (Kuwana)
 [PolaszEvBe1992], *Pealius hibisci* (Kotinsky) [Timber1926], *Pealius longispinus* Takahashi [HuangPo1998],
Trialeurodes ricini [HayatAy1998], *Trialeurodes sonchi?* [Timber1926], *Trialeurodes vaporariorum* Westwood
 [PolaszEvBe1992, Timber1926, Gerlin1985, SchmidNaDe2001]. **Aphididae**: *Aphis sacchari* Zehntner?
 [Timber1926]. **Coccidae**: *Coccids?* [Shafee1973]. **Psyllidae**: *Diaphorina citri* Kuwayama? [PolaszEvBe1992].

CITATIONS: BabcoHeDe2001 [morphological and molecular phylogenetics.]; BoothPo1996; ChouLi1993; Gerlin1985 [Dea]; Hayat1986; Huang1994 [Tde]; KapadiPu1989 [Lfh]; KrishnVa1996 [Dea, Hre, Ran]; Lal1980 [Hre]; ManzarPoBe2002 [molecular phylogenetics.]; PolaszEvBe1992; PolaszHa1992 [Ila]; SchmidPo2007a [Da, Ila, Rr]; Viggia1993338 [Cco, Iec, Lhi, Rng]; ViggiaRe1993335.

DISTRIBUTION: **Afrotropical:** Burundi [HeratyPo2000]; C_te d'Ivoire (=Ivory Coast) [HeratyPo2000]; Cape Verde [HayatAy1998]; Niger [HayatAy1998]; Sierra Leone [HeratyPo2000]; Somalia [Silves1931].

Australasian: Australia (Queensland [GiraulDo1915., SchmidNaDe2001], Western Australia [SchmidNaDe2001]); French Polynesia [SchmidNaDe2001]; Hawaiian Islands [Timber1926]. **Oriental:** China (Sichuan (=Szechwan) [HeratyPo2000]); India [Hayat1989a]; Indonesia [HeratyPo2000]; Pakistan [Hayat1989a]; Sri Lanka [HayatAy1998]; Taiwan [HeratyPo2000]; Thailand [HeratyPo2000]. **Palaeartic:** Japan [Ishii1938].

KEYS: Schmidt et al. 2001: 373 [Australia.].

Coccophagus sophia Girault & Dodd, 1915[238]: 49, 56. Type data: Australia: QLD, Cairns. Syntypes, female.

Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. Hy.2926. Described: female.

Prospaltella transvena Timberlake, 1926: 312-315. Type data: USA: Hawaii, Oahu. Holotype female. Type depository: Honolulu: Bernice P. Bishop Museum, Dept. Ent. Coll., HI, USA; type no. 5690. Described: both sexes. Illust. Synonymy by Heraty & Polaszek, 2000: 163.

Prospaltella sophia; Compere, 1931: 11. Change of combination.

Prospaltella sublutea Silvestri, 1931: 20-22. Type data: Somalia: Duca [?]. Syntypes, female. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust. Synonymy by Viggiani (with Gerling & Rivnay), 1985: 90.

Prospaltella bemisiae Ishii, 1938: 30. Type data: Japan: Ikawa-cho, Mei-Ken. Syntypes, female. Type depository: NIAS. Described: female. Synonymy by Polaszek et al., 1992: 388-389.

Prospaltella flava Shafee, 1973: 254-255. Type data: India: Uttar Pradesh, Aligarh. Holotype female, by original designation. Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: female. Illust. Synonymy by Hayat, 1989: 72.

Encarsia transvena; Viggiani (with Gerling & Rivnay), 1985[232]: 90-92. Described: both sexes. Illust. Change of combination.

Encarsia sophia; Viggiani, 1985[233]: 249. Described: female. Illust. Change of combination.

Encarsia shafeei Hayat, 1986: 163. Replacement name for *flava* Shafee.

Encarsia transvena; Hayat, 1989a: 71-73. Described: both sexes. Illust. Subsequent description.

Encarsia transvena; Polaszek et al, 1992: 388-389. Described: female. Illust. Subsequent description.

Encarsia transvena; Huang & Polaszek, 1998. Described: both sexes. Illust. Subsequent description.

Encarsia transvena; Hayat, 1998: 205-207. Described: both sexes. Illust. Subsequent description.

Encarsia sophia; Heraty & Polaszek, 2000: 163-166. Illust. Subsequent description.

Encarsia sophia; Schmidt et al., 2001: 383. Illust. Subsequent description.

***Encarsia (Strenua) stirlingia* Schmidt & Polaszek**

DISTRIBUTION: **Australasian:** Australia (Western Australia [SchmidPo2007a]).

Encarsia stirlingia Schmidt & Polaszek, 2007a: 2240-2241. Type data: Australia: WA, Stirling Range National Park, Toolburup. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: both sexes. Illust.

***Encarsia (Strenua) strenua* (Silvestri)**

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae:** *Aleurobus subrotundus* Silvestri [Clause1934], *Aleuroplatus* [Clause1934], *Asterochiton* [Clause1934], *Bemisia giffardii* (Kotinsky) [Silves1928], *Dialeurodes* sp., *Dialeurodes citri* Riley & Howard [PolaszEvBe1992], *Dialeurodes eugeniae* Maskell [HuangPo1998], *Dialeurodes kirkaldyi* (Kotinsky) [PolaszEvBe1992], *Parabemisia myricae*, *Siphonius phillyreae* (Haliday) [HeratyPo2000].

CITATIONS: Clause1934 [Rre]; Hayat1989a; HuangPo1998; PolaszEvBe1992; PolaszEvBe1992 [part misid of protransvena]; SchaufEvHe1996 [misid of]; Thomps1953; ViggiaMa1979144; ViggiaRe1993335; Wu1941.

DISTRIBUTION: **Nearctic:** United States of America (California). **Oriental:** China (Fujian (=Fukien) [HuangPo1998], Guangdong (=Kwangtung)); Hong Kong [PolaszEvBe1992]; India; Macau [Silves1928].

Palaeartic: Syria [HuangPo1998]; Turkey [Huang1994].

Prospaltella strenua Silvestri, 1927b: 34-36. Type data: China: Macao. Holotype female, by monotypy. Type depository: Portici: Istituto di Entomologia F. Silvestri, Portici, Italy. Described: female. Illust.

Encarsia strenua; Viggiani & Mazzone, 1979[144]: 46. Change of combination.
Encarsia strenua; Polaszek et al., 1992: 388. Described: female. Change of combination.
Encarsia strenua; Huang & Polaszek, 1998: 1951-1953. Described: female. Illust. Subsequent description.
Encarsia strenua; Heraty & Polaszek, 2000: 166-167. Illust. Subsequent description.

Encarsia (Strenua) titillata Girault

ASSOCIATIONS: Host - HEMIPTERA **Diaspididae**: *Diaspis echinocacti* Girault [Giraul1926397].
 DISTRIBUTION: **Neotropical**: Cuba [Giraul1926397].
Encarsia titillata Girault, 1926[397]: 1[200]. Type data: Cuba. Syntypes, female. Type depository: Brisbane: Queensland Museum, Queensland, Australia. Described: male.
Encarsia titillata; Viggiani, 1985[233]: 252. Described: female. Illust. Subsequent description.

Encarsia (Strenua) ustulata Schmidt & Naumann

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Trialeurodes vaporariorum* (Westwood) [SchmidNaDe2001].
 CITATIONS: SchmidPo2007a [Da, Ila, Rr].
 DISTRIBUTION: **Australasian**: Australia (South Australia [SchmidNaDe2001], Western Australia [SchmidNaDe2001]).
 KEYS: Schmidt et al. 2001: 373 [Australia.].
Encarsia ustulata Schmidt & Naumann, 2001: 383-384. Type data: Australia: South Australia, Aldinga Scrub, 50 km S of Adelaide. Holotype female, by original designation. Type depository: Canberra: Australian National Insect Collection, Division of Entomology, CSIRO, Australia. Described: female. Illust.

Encarsia (Strenua) vanharteni Viggiani

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae** [Viggia1993338].
 DISTRIBUTION: **Afrotropical**: Yemen [Viggia1993338].
Encarsia vanharteni Viggiani, 1993[338]: 125-127. Type data: Yemen, Sana'a. Holotype female, by original designation. Type depository: UNP. Described: female. Illust.

Encarsia (Tremblayi) Viggiani

Encarsia (Tremblayi) Viggiani, 1989[305]: 184.

Encarsia (Tremblayi) tremblayi Viggiani

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleurocanthus lebtademiae* Cohic [Viggia1988275].
 DISTRIBUTION: **Afrotropical**: Somalia [Viggia1988277].
Encarsia tremblayi Viggiani, 1988[275]: 39-41. Type data: Somalia: Badad. Holotype female, by original designation. Type depository: UNP. Described: female. Illust.
Encarsia tremblayi; Viggiani, 1989[305]: 182-184. Described: male. Illust. Subsequent description.

Encarsia (Tricolor) Viggiani & Mazzone

Encarsia (Tricolor) Viggiani & Mazzone, 1979[144]: 47.
Encarsia (Tricolor); Hayat, 1989: 10.

Encarsia (Tricolor) aleuroilicis Viggiani

ASSOCIATIONS: Host - HEMIPTERA **Aleyrodidae**: *Aleuroviggianus adriannae* Laccarino [Viggia1988277].
 CITATIONS: Viggia1986249 [Lhi, Dim].
 DISTRIBUTION: **Palaeartic**: Italy [Viggia1988277, Viggia1982191].
Encarsia aleuroilicis Viggiani, 1982[191]: 13-14. Type data: Italy: Portici (Parco Gussone). Holotype female, by original designation. Type depository: UNP. Described: female.
Encarsia aleuroilicis; Viggiani, 1988[277]: 128-130. Described: both sexes. Illust. Subsequent description.

Encarsia (Tricolor) gautieri (Mercet)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Pealius azaliae* Baker & Moles [Jasnos1989], *Siphoninus phillyreae* (Hal.) [Viggia1988277].
 CITATIONS: Jasnos1989 [Hre, Dre].
 DISTRIBUTION: **Palaeartic**: Italy [Viggia1988277].

Dolerisia gautieri Mercet, 1928: 511. Type data: Italy:...

Encarsia gautieri; Mercet, 1930: 79. Change of combination.

Encarsia gautieri; Viggiani, 1980[160]: ??.

Encarsia gautieri; Viggiani, 1988[277]: 145-146. Described: both sexes. Illust. Subsequent description.

Encarsia (Tricolor) isaaci Mani

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae** [Hayat1989a], *Aleurolobus barodensis* [Hayat1989a], *Neomaskellia bergii* [Hayat1989a].

CITATIONS: Hayat1986 [Tc]; Mani1989 [Dea].

DISTRIBUTION: **Oriental**: India (Andhra Pradesh [Hayat1989a], Orissa [Hayat1989a], Tamil Nadu [Hayat1989a], Uttar Pradesh [Hayat1989a, Mahmoo1955]).

Encarsia isaaci Mani, 1940: 25-36. Type data: India: Cuttack (Orissa). Holotype female. Type depository: New Delhi: National Pusa Collections, Indian Agricultural Research Institute, India; type no. CS-227. Described: female.

Encarsia isaaci; Hayat, 1989a: 60-61. Described: female. Illust. Subsequent description.

Encarsia isaaci; Hayat, 1998: 215-216. Described: female. Illust. Subsequent description.

Encarsia (Tricolor) maria (Girault)

CITATIONS: SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Australasian**: Australia (Queensland [Giraul1931435]).

Coccophagus maria Girault, 1931[435]: 3[282]. Type data: Australia: QLD: Miles. Syntypes, female. Type depository: Brisbane: Queensland Museum, Queensland, Australia; type no. T.4010. Described: female.

Coccophagus maria; Dahms, 1984: 794-795.

Encarsia maria; Viggiani, 1985[233]: 244. Described: female. Illust. Change of combination.

Encarsia (Tricolor) shutovae Jashnosh

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae** [Jasnos1973], *Aleyrodes phyladelphi* Danzig [Jasnos1989].

DISTRIBUTION: **Palaeartic**: Russia [Jasnos1973].

Encarsia shutovae Jashnosh, 1973a: 582-583. Type data: CSS: Southern Kirgizia. Holotype female, by original designation. Type depository: St. Petersburg: (= Leningrad) Zoological Museum, Academy of Science, Russia. Described: both sexes. Illust.

Encarsia shutovae; Viggiani & Mazzone, 1979[144]: ??.

Encarsia shutovae; Jashnosh, 1989: 116-118. Described: both sexes. Illust. Subsequent description.

Encarsia (Tricolor) tricolor Foerster

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleruotuba jelineki* (Frauenf.), *Aleurothrix porteri* [Stuard1928], *Aleyrodes brassicae* Walk. [Stuard1928, Viggia196725, Howard1908a, Howard1911, ArtiguAvSa1992a, Mercet1930a], *Aleyrodes lonicerae* [Jasnos1989], *Aleyrodes proletella* [Jasnos1989], *Trialeurodes vaporariorum* Westwood [AvillaCo1986, ArtiguAvSa1992a, AvillaCo1986]. HYMENOPTERA **Aphelinidae**: *Encarsia tricolor* Foerster [Willia1989, AvillaCo1986], *Encarsia formosa* Gahan [AvillaCo1986, ArtiguAvSa1992a,], *Encarsia tricolor* Foerster [AvillaCo1986, ArtiguAvSa1992a]. **Eulophidae**: *Euderomphale chelidonii* Erdos? [Willia1989].

CITATIONS: ArtiguAvSa1992a [Fe, Ov, Hc, Bp]; AvillaCo1986 [Dev, Lo, Pa, Hc, Hy, Syb, Bco, Po, Bc]; AvillaCo1986 [Dev, Fe, Pa, Mah, Mod, Ho, Ov, Bp]; AvillaCo1988 [Dev, Fe, Mor, Ser, Po, Bc]; DeBachRo1981 [Dea]; Gerlin1966 [Ho]; Howard1908a [Dea, Ran]; Howard1908b [Ran]; Howard1911 [Hc]; Hunter1989b [Dev, Ov]; Hunter1993b [Ser]; Jasnos1989 [Hre]; LaSallDe1982; LaSallDe1982 [Tn]; ManzarPoBe2002 [molecular phylogenetics.]; Mercet1930a [Hre]; PolaszHa1992 [Ila]; Viggia196725 [Rre]; Viggia1988278 [Hc]; Viggia1993338 [Cco, Iec, Lhi, Rng]; Willia1989 [Hc., Hy]; Willia1991 [Sed, Fe, Pa, Ser, Ov, Hc, Hy, Po].

DISTRIBUTION: **Palaeartic**: Italy [Viggia196725, Viggia1993338].

Encarsia tricolor Foerster, 1878: 66. Holotype male, by monotypy. Described: male.

Prospaltella conjugata Masi, 1909: 146. Type data: Italy: Portici.. Type depository: UNP. Described: female. Synonymy by Mercet, 1930: 193.

Encarsia tricolor; Mercet, 1912a: 166. Described: male. Subsequent description.

Prospaltella conjugata; Mercet, 1912a: 187-189. Described: both sexes. Illust. Subsequent description.

Prospaltella (Doloresia) conjugata; Mercet, 1921: 307. Subsequent description.

Prospaltella conjugata; Stuardo, 1929: 154-157.

Prospaltella coniugata; Viggiani, 1967[26]: 159. Misspelling of species name.

Encarsia tricolor; Viggiani, 1988[277]: 165-166. Described: both sexes. Illust. Subsequent description.

Encarsia (Tristis) Hayat

Encarsia (Tristis) Hayat, 1989: 10. by monotypy.

Encarsia (Tristis) tristis (Zehntner)

ASSOCIATIONS: Hosts - HEMIPTERA **Aleyrodidae**: *Aleyrodes*, *Aleyrodes bergi* Sign. [Howard1908a, Howard1911], *Neomaskellia andropogonis* [Hayat1989a, Hayat1981a], *Neomaskellia bergii* [HayatAy1998].

CITATIONS: ChouChKo1996; DeBachRo1981 [No, Hc]; Hayat1986 [Tc]; Hertin1972; Howard1908a [Dea, Ran]; Howard1911 [Hc]; KrishnVa1996 [Dea, Hre]; LaSallDe1982; Mani1989 [Tn]; Risbec1951; Risbec1960; SchmidPo2007a [Da, Ila, Rr].

DISTRIBUTION: **Afrotropical**: Senegal [Risbec1950, HuangPo1998]. **Australasian**: Australia [HayatAy1998].

Oriental: Bangladesh [Hayat1989a]; India [Shafee1973] (Bihar [Hayat1989a], Karnataka [Hayat1989a], Maharashtra [Hayat1989a], Tamil Nadu [Hayat1989a], Uttar Pradesh [Hayat1989a]); Indonesia (Java [Zehntn1896, Howard1908a]); Philippines [Ashmea1904244]; Taiwan [HayatAy1998].

Prospalta tristis Zehntner, 1896: 11. Type data: Indonesia: Java. Unknown type status. Described: female.

Aspidiotiphagus aleyrodus Ashmead, 1904[244]: 139. Type data: Philippines: Manilla. Syntypes, unknown. Type depository: Washington: United States National Entomological Collection, U.S. National Museum of Natural History, DC, USA. Described: both sexes. Synonymy by Gahan, 1932: 742.

Prospaltella tristis; Schmiedeknecht, 1909: ?? . Change of combination.

Prospaltella tristis; Mercet, 1912a: 215-216. Described: female. Subsequent description.

Limacis aleurodiphaga Risbec, 1950: 621. Type data: Senegal: [Bambey]. Lectotype female, by subsequent designation Huang & Polaszek, 1998: 1956. Type depository: Paris: Museum National d'Histoire naturelle, France. Described: female. Synonymy by Huang & Polaszek, 1998: 1956.

Encarsia neomaskelliae Prasad, 1955: 50. Type data: India: Bihar, Pusa. Holotype female. Type depository: IARI? Described: both sexes. Illust. Synonymy by Hayat, 1981a: 468.

Arescon aleurodiphaga; Herting, 1972: 106. Described: female and larva. Incorrect synonymy; discovered by Huang & Polaszek, 1998: 1956.

Prospaltella breviclavata Shafee, 1973: 252. Type data: India: Aligarh. Holotype female, by original designation.

Type depository: Aligarh: Aligarh Muslim University, Department of Zoology, India. Described: both sexes. Synonymy by Hayat, 1981a: 468.

Encarsia tristis; Hayat, 1989a: 66-67. Described: both sexes. Illust. Subsequent description.

Encarsia tristis; Huang & Polaszek, 1998: 1956-1958. Described: both sexes. Illust. Subsequent description.

Encarsia tristis; Hayat, 1998: 209-210. Described: both sexes. Illust. Subsequent description.

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Checklist of 336 Species

abatei, *Encarsia* (*Lutea*) Viggiani, 1982
abundantia, *Encarsia* (*Strenua*) Chou & Su, 1996
acaudaleyrodia, *Encarsia* (*Parvella*) Hayat, 1976
accenta, *Encarsia* (*Inaron*) Schmidt & Naumann, 2001
adela, *Encarsia* Schmidt & Polaszek, 2007
adusta, *Encarsia* (*Inaron*) Schmidt and Naumann, 2001
aethiopica, *Encarsia* (*Inaron*) Viggiani, 1989
afei, *Encarsia* (*Inaron*) Schmidt & Polaszek, 2007
affectata, *Encarsia* (*Divergens*) (Silvestri, 1930)
africana, *Encarsia* (*Singularis*) (Hill, 1970)
albiscutellum, *Encarsia* (*Opulenta*) (Girault, 1913)
albiscutellum longipalpa, *Encarsia* (*Opulenta*) Hayat, 1989
alboscutellaris, *Encarsia* De Santis, 1979
aldrichi, *Encarsia* (*Lahorensis*) Schmidt & Polaszek, 2007
aleurochitonis, *Encarsia* (*Lahorensis*) Mercet, 1931
aleurodici, *Encarsia* (*Noyesi*) (Girault, 1916)
aleuroilicis, *Encarsia* (*Tricolor*) Viggiani, 1982
aleuroplati, *Encarsia* (*Parvella*) Viggiani, 1988
aleurothrixi, *Encarsia* (*Cubensis*) Evans & Polaszek, 1998
aleurotubae, *Encarsia* (*Aurantii*) Viggiani, 1982
amabilis, *Encarsia* (*Noyesi*) (Huang & Polaszek, 1998)
americana, *Encarsia* (*Parvella*) (DeBach & Rose, 1981)
amicula, *Encarsia* (*Opulenta*) Viggiani & Ren, 1986
ancistrocera, *Encarsia* (*Perflava*) Huang & Polaszek, 1998
ancora, *Encarsia* Schmidt & Polaszek, 2007
antiopa, *Encarsia* (*Lahorensis*) (Girault, 1913)
aonidae, *Encarsia* Howard, 1895
arabica, *Encarsia* (*Longifasciata*) Hayat, 1989
armata, *Encarsia* (*Strenua*) (Silvestri, 1927)
armillata, *Encarsia* (*Lutea*) Schmidt & Polaszek, 2007
aseta, *Encarsia* (*Parvella*) Hayat & Polaszek, 1992
ashmeadi, *Encarsia* (Girault, 1915)
aspidioticola, *Encarsia* (*Aurantii*) (Mercet, 1929)
asterobemisiae, *Encarsia* (*Lutea*) Viggiani & Mazzone, 1980
atlantica, *Encarsia* Polaszek & Hernández, 2003
aurantii, *Encarsia* (*Aurantii*) (Howard, 1894)
aureola, *Encarsia* (Girault, 1913)
aurithorax, *Encarsia* Girault, 1913
axacaliae, *Encarsia* Abd-Rabou & Ghari, 2007
azimi, *Encarsia* (*Inaron*) Hayat, 1989
bangalorensis, *Encarsia* (*Opulenta*) Hayat, 1989
basicincta, *Encarsia* (*Parvella*) Gahan, 1927
bella, *Encarsia* (Gahan, 1927)
bellottii, *Encarsia* (*Opulenta*) Evans & Castillo, 1998
bennetti, *Encarsia* (*Merceti*) Hayat, 1984
berlesei, *Encarsia* (*Aurantii*) (Howard, 1906)
bicolor, *Encarsia* (*Aurantii*) (Timberlake, 1926)
bifasciata, *Encarsia* Schmidt & Polaszek, 2007
bimaculata, *Encarsia* (*Strenua*) Heraty & Polaszek, 2000
boswelli, *Encarsia* (*Noyesi*) (Girault, 1915)
bothrocera, *Encarsia* (*Perflava*) Huang & Polaszek, 1998
brachyura, *Encarsia* (*Aurantii*) Huang & Polaszek, 1998
brahmsi, *Encarsia* (Girault, 1933)
brevivalvula, *Encarsia* (*Duorunga*) Hayat, 1989

brevivena, *Encarsia* (*Strenua*) Hayat, 1989
brimblecombei, *Encarsia* (*Aurantii*) (Girault, 1933)
britannica, *Encarsia* (*Aurantii*) (Girault, 1915)
brunnea, *Encarsia* (*Luteola*) (Howard, 1908)
bunyae, *Encarsia* (*Smithi*) Schmidt & Polaszek, 2007
caelata, *Encarsia* Schmidt & Polaszek, 2007
caelibaris, *Encarsia* (Mercet, 1931)
californica, *Encarsia* (*Meritoria*) Polaszek, 2004
capensis, *Encarsia* (*Strenua*) Schmidt & Polaszek, 2007
cappa, *Encarsia* Schmidt & Polaszek, 2007
cassida, *Encarsia* (*Longifasciata*) Schmidt & Polaszek, 2007
catherinae, *Encarsia* (*Strenua*) (Dozier, 1933)
ceratiphivora, *Encarsia* (*Flavoscutellum*) Evans, 1995
chaetogastra, *Encarsia* (*Elegans*) Schmidt & Polaszek, 2007
chaoi, *Encarsia* Huang & Polaszek, 1998
chauliodoa, *Encarsia* Schmidt & Polaszek, 2007
cibcensis, *Encarsia* (*Lahorensis*) Lopez-Avila, 1987
ciliata, *Encarsia* (*Lahorensis*) (Gahan, 1927)
circumsculpturata, *Encarsia* (*Aurantii*) Viggiani, 1985
citrella, *Encarsia* (*Citrella*) (Howard, 1908)
citri, *Encarsia* (*Strenua*) (Ishii, 1938)
citrina, *Encarsia* (*Citrina*) (Craw, 1891)
citrofila, *Encarsia* (*Parvella*) (Silvestri, 1928)
clara, *Encarsia* (Dodd, 1917)
clariscutellum, *Encarsia* (Girault, 1915)
clypealis, *Encarsia* (*Opulenta*) (Silvestri, 1928)
coimbatorensis, *Encarsia* (*Aurantii*) Hayat, 1989
colima, *Encarsia* Myartseva, 2005
collecta, *Encarsia* (*Elegans*) Chou & Su, 1996
confusa, *Encarsia* (*Lahorensis*) Hayat, 1989
coquilletti, *Encarsia* (*Inaron*) Howard, 1895
coryli, *Encarsia* (*Inaron*) Viggiani, 1981
costaricensis, *Encarsia* Evans & Angulo, 1996
craspedia, *Encarsia* Schmidt & Polaszek, 2007
cubensis, *Encarsia* (*Cubensis*) Gahan, 1931
curtifuniculata, *Encarsia* (*Citrina*) Huang & Polaszek, 1998
cybele, *Encarsia* (*Inaron*) Girault, 1913
davidi, *Encarsia* (*Lutea*) Viggiani & Mazzone, 1980
desantisi, *Encarsia* (*Luteola*) Schmidt & Polaszek, 2007
despecta, *Encarsia* (*Elegans*) Schmidt & Polaszek, 2007
dewa, *Encarsia* (*Longifasciata*) Pedata & Polaszek, 2003
dialeurodis, *Encarsia* (*Strenua*) Hayat, 1989
dialeuroporae, *Encarsia* (*Lutea*) Viggiani, 1985
diaspidicola, *Encarsia* (*Aurantii*) (Silvestri, 1909)
dichroa, *Encarsia* (Mercet, 1930)
dispersa, *Encarsia* (*Meritoria*) Polasek et al., 2004
divergens, *Encarsia* (*Aurantii*) (Silvestri, 1926)
dominicana, *Encarsia* Evans, 2002
duorunga, *Encarsia* (*Duorunga*) Hayat, 1989
echinocera, *Encarsia* (*Perflava*) Huang & Polaszek, 1998
ectophaga, *Encarsia* (Silvestri, 1935)
elegans, *Encarsia* (*Elegans*) Masi, 1911
elegantula, *Encarsia* Viggiani, 1988
estrellae, *Encarsia* (*Inaron*) Manzari & Polaszek, 2002
eugeniae, *Encarsia* (Risbec, 1952)
eurystoma, *Encarsia* (*Opulenta*) Hayat, 1998

exornata, *Encarsia* (*Elegans*) Huang & Polaszek, 1998
explorata, *Encarsia* (*Aurantii*) (Silvestri, 1930)
exserta, *Encarsia* Huang & Polaszek, 1998
farinaria, *Encarsia* (*Perflava*) Schmidt & Polaszek, 2007
fasciata, *Encarsia* (*Aurantii*) (Malenotti, 1917)
fasciola, *Encarsia* (*Smithi*) Schmidt & Polaszek, 2007
filicornis, *Encarsia* (Mercet, 1912)
flava, *Encarsia* (*Citrina*) (Compere, 1936)
flavescens, *Encarsia* (*Parvella*) Huang & Polaszek, 1998
flavoscutellum, *Encarsia* (*Flavoscutellum*) Zehntner, 1900
flexa, *Encarsia* (*Inquirenda*) Huang & Polaszek, 1998
formosa, *Encarsia* (*Luteola*) Gahan, 1924
fujianensis, *Encarsia* (*Opulenta*) Huang & Polaszek, 1998
fuscus, *Encarsia* (*Citrina*) Compere, 1936
fuzhouensis, *Encarsia* (*Aurantii*) Huang & Polaszek, 1998
galilea, *Encarsia* (*Inaron*) Rivnay (in Rivnay & Gerling), 1987
gallardoii, *Encarsia* (*Luteola*) Marelli, 1933
gallicola, *Encarsia* (Risbec, 1952)
gautieri, *Encarsia* (*Tricolor*) (Mercet, 1928)
gerlingi, *Encarsia* (*Parvella*) Viggiani, 1989
gigas, *Encarsia* (*Aurantii*) (Tchumakova, 1957)
gracilens, *Encarsia* (*Citrina*) Huang & Polaszek, 1998
grotei, *Encarsia* (Girault, 1931)
guadeloupae, *Encarsia* (*Luteola*) Viggiani, 1988
gunturensis, *Encarsia* (*Inaron*) (Azim & Shafee, 1980)
haitiensis, *Encarsia* (*Meritoria*) Dozier, 1932
hamata, *Encarsia* (*Lutea*) Huang & Polaszek, 1998
hamoni, *Encarsia* (*Cubensis*) Evans & Polaszek, 1998
hamulata, *Encarsia* (*Perflava*) Huang & Polaszek, 1998
hansoni, *Encarsia* (*Cubensis*) Evans & Polaszek, 1998
hapalia, *Encarsia* Schmidt & Polaszek, 2007
herndoni, *Encarsia* (*Aurantii*) (Girault, 1935)
hispida, *Encarsia* (*Meritoria*) De Santis, 1948
horatii, *Encarsia* (Girault, 1939)
inaron, *Encarsia* (*Inaron*) (Walker, 1839)
indica, *Encarsia* (*Lutea*) (Shafee, 1973)
inquirenda, *Encarsia* (*Aurantii*) (Silvestri, 1930)
inserens, *Encarsia* (*Aurantii*) (Silvestri, 1930)
insignis, *Encarsia* (*Inaron*) Schmidt & Polaszek, 2007
insulana, *Encarsia* (*Aurantii*) Hayat, 1989
intermedia, *Encarsia* (*Aurantii*) (Ferrière, 1961)
interstrica, *Encarsia* (*Cubensis*) Huang & Polaszek, 1998
iris, *Encarsia* (Girault, 1930)
isaaci, *Encarsia* (*Tricolor*) Mani, 1940
ishii, *Encarsia* (*Opulenta*) (Silvestri, 1926)
ixorae, *Encarsia* (*Aurantii*) Krishnan & Vasantharaj David, 1996
japonica, *Encarsia* (*Strenua*) Viggiani, 1981
justicia, *Encarsia* Girault, 1913
kalamundae, *Encarsia* (*Strenua*) Schmidt & Polaszek, 2007
kemneri, *Encarsia* (*Citrina*) (Ahlberg, 1947)
koebelei, *Encarsia* (*Aurantii*) (Howard, 1908)
lahorensis, *Encarsia* (*Lahorensis*) (Howard, 1911)
lanceolata, *Encarsia* (*Parvella*) Evans & Polaszek, 1997
lasallei, *Encarsia* Huang & Polaszek, 1998
latipennis, *Encarsia* (*Citrina*) Compere, 1936
lehri, *Encarsia* (*Strenua*) Jasnosh, 1989

leptosa, *Encarsia* Schmidt & Polaszek, 2007
leucaspidis, *Encarsia* (*Aurantii*) (Mercet, 1912)
leucippi, *Encarsia* (Girault, 1936)
levadicola, *Encarsia* Polaszek & Hernández, 2003
levo, *Encarsia* Hayat, 2006
lilyingae, *Encarsia* (*Singularis*) Viggiani & Ren, 1988
lipaleyrodis, *Encarsia* (*Lahorensis*) Krishnan & Vasantharaj David, 1996
longicauda, *Encarsia* (*Opulenta*) Hayat, 1989
longicornis, *Encarsia* (*Inaron*) Mercet, 1928
longifasciata, *Encarsia* (*Longifasciata*) Subba Rao, 1984
longisetae, *Encarsia* (*Scapeata*) Viggiani, 1989
longisetosa, *Encarsia* Schmidt & Polaszek, 2007
longispina, *Encarsia* Schmidt & Polaszek, 2007
longivalvula, *Encarsia* (*Strenua*) Viggiani, 1985
lopezi, *Encarsia* (*Inaron*) Blanchard, 1940
lougae, *Encarsia* (Risbec, 1951)
lounsburyi, *Encarsia* (*Citrina*) (Berlese & Paoli, 1916)
luoae, *Encarsia* (*Inquirenda*) Huang & Polaszek, 1998
lutea, *Encarsia* (*Lutea*) (Masi, 1909)
luteola, *Encarsia* (*Luteola*) Howard, 1895
lycopersici, *Encarsia* (*Inaron*) De Santis, 1957
macoensis, *Encarsia* Abd-Rabou & Ghari, 2007
macroptera, *Encarsia* (*Lahorensis*) Viggiani, 1985
maculata, *Encarsia* Schmidt & Polaszek, 2007
magniclava, *Encarsia* (*Noyesi*) (Girault, 1915)
magnivena, *Encarsia* (*Strenua*) Huang & Polaszek, 1998
margaritiventris, *Encarsia* (*Inaron*) (Mercet, 1931)
marginata, *Encarsia* Huang & Polaszek, 1998
maria, *Encarsia* (*Tricolor*) (Girault, 1931)
marinikia, *Encarsia* (*Lutea*) Jasnosh, 1989
maritima, *Encarsia* (*Strenua*) Jasnosh, 1989
marxi, *Encarsia* (Girault, 1936)
maura, *Encarsia* (*Strenua*) Schmidt & Polaszek, 2007
melanostoma, *Encarsia* Polaszek & Hernández, 2003
merceti, *Encarsia* (*Merceti*) Silvestri, 1926
merceti modesta, *Encarsia* (*Merceti*) Silvestri, 1926
meritoria, *Encarsia* (*Luteola*) Gahan, 1927
mescheryakovi, *Encarsia* Yasnosh, 1995
metallica, *Encarsia* (Risbec, 1952)
microtricha, *Encarsia* (*Elegans*) Huang & Polaszek, 1998
mineoi, *Encarsia* (*Parvella*) Viggiani, 1982
minuta, *Encarsia* (*Aurantii*) Viggiani, 1989
moffsi, *Encarsia* Hulden, 1986
mohyuddini, *Encarsia* (*Duorunga*) Shafee & Rivzi, 1982
mozarti, *Encarsia* Girault, 1932
mulyali, *Encarsia* (*Strenua*) Mani, 1940
multiciliata, *Encarsia* Huang & Polaszek, 1998
nanjingensis, *Encarsia* (*Inquirenda*) Huang & Polaszek, 1998
narayanani, *Encarsia* (*Aurantii*) Agarwal, 1964
narroi, *Encarsia* (*Noyesi*) Gomez & Garcia, 2000
neocala, *Encarsia* (*Strenua*) Heraty & Polaszek, 2000
nepalensis, *Encarsia* (*Noyesi*) (Polaszek & Hayat, 1992)
nigricephala, *Encarsia* (*Cubensis*) Dozier, 1937
nigrifemur, *Encarsia* (*Opulenta*) (Girault, 1914)
nigriventris, *Encarsia* (Girault, 1913)
niigatae, *Encarsia* (*Aurantii*) (Nakayama, 1921)

nipponica, *Encarsia* (*Parvella*) Silvestri, 1928
nitella, *Encarsia* Schmidt & Polaszek, 2007
noahi, *Encarsia* Polaszek & Hernández, 2003
noordami, *Encarsia* (*Flavoscutellum*) Polaszek, 1995
norani, *Encarsia* (*Strenua*) Hayat, 1989
notha, *Encarsia* (*Perflava*) Schmidt & Polaszek, 2007
noyesana, *Encarsia* (*Aurantii*) Huang & Polaszek, 1998
noyesi, *Encarsia* (*Noyesi*) (Hayat, 1983)
nupta, *Encarsia* (*Aurantii*) (Silvestri, 1930)
oakeyensis, *Encarsia* (*Strenua*) Schmidt & Naumann, 2001
obliqua, *Encarsia* (*Noyesi*) Schmidt & Polaszek, 2007
obtusiclava, *Encarsia* (*Aurantii*) Hayat, 1989
occultans, *Encarsia* (*Aurantii*) Hayat, 1998
olgae, *Encarsia* (*Strenua*) Schmidt & Polaszek, 2007
olivina, *Encarsia* (*Aurantii*) (Masi, 1910)
opulenta, *Encarsia* (*Opulenta*) (Silvestri, 1928)
orangae, *Encarsia* Raina et al., 1996
papaceki, *Encarsia* (*Strenua*) Schmidt & Polaszek, 2007
paracitrella, *Encarsia* (*Citrella*) Evans & Polaszek, 1997
paradiaspidicola, *Encarsia* (*Aurantii*) Viggiani, 1989
parvella, *Encarsia* (*Parvella*) Silvestri, 1915
paucisetosa, *Encarsia* Schmidt & Polaszek, 2007
pauliani, *Encarsia* (Risbec, 1952)
pedana, *Encarsia* (*Strenua*) Schmidt & Polaszek, 2007
peltata, *Encarsia* (Cockerell, 1911)
perconfusa, *Encarsia* Evans & Abd-Rabou, 2005
perflava, *Encarsia* (*Lahorensis*) Hayat, 1989
pergandiella, *Encarsia* (*Parvella*) Howard, 1907
perniciosi, *Encarsia* (*Aurantii*) (Tower, 1913)
perplexa, *Encarsia* (*Opulenta*) Huang & Polaszek, 1998
perpulchella, *Encarsia* (Girault, 1915)
persequens, *Encarsia* (*Inaron*) Silvestri, 1927
perseus, *Encarsia* (Girault, 1917)
perstrenua, *Encarsia* (*Strenua*) (Silvestri, 1927)
peruviana, *Encarsia* (*Aurantii*) (Rust, 1913)
phaea, *Encarsia* (*Divergens*) Huang & Polaszek, 1998
picithorax, *Encarsia* (Girault, 1915)
picta, *Encarsia* Huang & Polaszek, 1998
pilosa, *Encarsia* Schmidt & Polaszek, 2007
pinella, *Encarsia* (*Citrina*) Myartseva, 2001
pithecura, *Encarsia* (*Noyesi*) (Polaszek, 1999)
plana, *Encarsia* Viggiani & Ren, 1987
planchoniae, *Encarsia* Howard, 1895
plaumanni, *Encarsia* Viggiani, 1988
polaszeki, *Encarsia* Evans, 1997
porteri, *Encarsia* (*Lahorensis*) (Mercet, 1927)
portoricensis, *Encarsia* (*Aurantii*) Howard, 1907
praecipua, *Encarsia* (*Strenua*) Schmidt & Polaszek, 2007
praegrandis, *Encarsia* Viggiani, 1985
primitiva, *Encarsia* (*Strenua*) Viggiani, 1988
prinslooi, *Encarsia* (*Longifasciata*) Pedata & Polaszek, 2003
prolata, *Encarsia* Schmidt & Polaszek, 2007
protransvena, *Encarsia* (*Strenua*) Viggiani, 1985
pseudoaonidiae, *Encarsia* (*Inquirenda*) (Ishii, 1938)
pseudocitrella, *Encarsia* (*Citrella*) Evans & Polaszek, 1997
pseudococci, *Encarsia* (*Lahorensis*) (Agarwal, 1964)

pulliclava, *Encarsia* (Girault, 1917)
punicae, *Encarsia* (*Opulenta*) Hayat, 1998
pura, *Encarsia* (*Aurantii*) Hayat, 1989
quaintancei, *Encarsia* (*Cubensis*) Howard, 1907
quercicola, *Encarsia* (*Strenua*) (Howard, 1908)
ramsesi, *Encarsia* (*Strenua*) Polaszek, 1999
rentzi, *Encarsia* Schmidt & Polaszek, 2007
reticulata, *Encarsia* (*Inaron*) Rivnay, 1987
sankarani, *Encarsia* (*Aurantii*) Hayat, 1989
scapeata, *Encarsia* (*Scapeata*) Rivnay, 1987
scylla, *Encarsia* (*Inaron*) Schmidt & Polaszek, 2007
seminigrilava, *Encarsia* (*Inaron*) (Girault, 1913)
septentrionalis, *Encarsia* (*Septentrionalis*) Hayat, 1989
shutovae, *Encarsia* (*Tricolor*) Jashnosh, 1973
silvestrii, *Encarsia* (*Aurantii*) Viggiani & Mazzone, 1979
silvifilia, *Encarsia* (Girault, 1924)
singularis, *Encarsia* (*Singularis*) (Silvestri, 1930)
sinica, *Encarsia* (*Strenua*) Viggiani & Ren, 1993
siphonini, *Encarsia* (*Inaron*) Silvestri, 1915
smithi, *Encarsia* (*Aurantii*) (Silvestri, 1926)
socratis, *Encarsia* (Girault, 1931)
sophia, *Encarsia* (*Strenua*) (Girault & Dodd, 1915)
spinosa, *Encarsia* Schmidt & Polaszek, 2007
stirlingia, *Encarsia* (*Strenua*) Schmidt & Polaszek, 2007
strenua, *Encarsia* (*Strenua*) (Silvestri, 1927)
subhyalina, *Encarsia* (*Opulenta*) Schmidt & Polaszek, 2007
submetallica, *Encarsia* (Girault, 1930)
sueloderi, *Encarsia* (*Parvella*) Polaszek, 1994
swifti, *Encarsia* (*Aurantii*) (Girault, 1915)
synaptocera, *Encarsia* (*Perflava*) Huang & Polaszek, 1998
tachii, *Encarsia* (*Noyesi*) (Polaszek & Hayat, 1992)
taciti, *Encarsia* (*Lahorensis*) (Girault, 1930)
taiwanensis, *Encarsia* (*Noyesi*) (Chou & Chou, 1994)
tamaulipeca, *Encarsia* (*Noyesi*) (Myartseva and Coronado-Blanco, 2000)
telemachus, *Encarsia* Evans, 2002
tennysoni, *Encarsia* (*Aurantii*) (Girault, 1931)
terebrator, *Encarsia* (*Opulenta*) (Shafee, 1974)
thoracaphis, *Encarsia* (*Flavoscutellum*) Ishii, 1938
thoreauini, *Encarsia* (Girault, 1915)
tinctoriae, *Encarsia* (*Merceti*) Krishnan & Vasantharaj David, 1996
titillata, *Encarsia* (*Strenua*) Girault, 1926
totiaurea, *Encarsia* (Girault, 1930)
toticilia, *Encarsia* Girault, 1936
townsendi, *Encarsia* (*Opulenta*) Howard, 1907
tremblayi, *Encarsia* (*Tremblayi*) Viggiani, 1988
tricolor, *Encarsia* (*Tricolor*) Foerster, 1878
tristis, *Encarsia* (*Tristis*) (Zehntner, 1896)
trivittata, *Encarsia* (*Aurantii*) Hayat, 1989
trjapitzini, *Encarsia* Jasnosh, 1989
udaipuriensis, *Encarsia* (*Lutea*) (Shafee, 1973)
uncinata, *Encarsia* (*Lutea*) Schmidt & Polaszek, 2007
unfasciata, *Encarsia* (*Lahorensis*) (Girault, 1915)
unicitrella, *Encarsia* (*Citrella*) Evans & Polaszek, 1997
ustulata, *Encarsia* (*Strenua*) Schmidt & Naumann, 2001
vanharteni, *Encarsia* (*Strenua*) Viggiani, 1993
variegata, *Encarsia* (*Luteola*) Howard, 1908

viggianii, *Encarsia* (*Perflava*) Huang & Polaszek, 1998
whittieri, *Encarsia* Girault, 1915