

AN ANNOTATED CHECKLIST OF THE COCCINELLIDAE (COLEOPTERA) OF THE INDIAN SUBREGION

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Introduction

This checklist is an updated version of the annotated checklist of the Coccinellidae fauna of the Indian subcontinent published recently (Poorani, 2002a). This list includes the subfamily Epilachninae, which was left out of the earlier checklist. The Epilachninae portion has been compiled from the World Catalogue of Coccinellidae, Volume 1 (Jadwiszczak & Wegrzynowicz, 2003). Other changes, corrections, and additions since the publication of the original checklist also have been incorporated.

Geographical scope: The geographical scope of this checklist covers the Indian subregion that includes India, Pakistan, Bhutan, Nepal, Sri Lanka, Bangladesh and Myanmar.

Arrangement: The arrangement of the subfamilies is alphabetical for convenience, and does not reflect phylogenetic relationships. The tribes and genera therein also are arranged in alphabetical order, largely according to the classification of Chazeau *et al.* (1989; 1990). For all the genera, the original citation, synonyms in chronological order, the type species and list of species in alphabetical order are given. For the species, the most recent combination followed by the author name, original citation and synonyms, if any, in chronological order, are given. The type depository is given within parentheses after the name, wherever available. Most of the extralimital synonymies and other extended, lengthy synonymies, varieties and aberrations mentioned by Korschefsky (1931; 1932) are omitted unless subsequently changed. Subsequent references of importance pertaining to revisions, redescription, lectotype designations, synonyms, etc. are given and the nature of the information contained therein is indicated within parentheses. The geographical distribution is given for all the species (by states for Indian species), mainly based on literature and data labels of specimens actually examined by the author (for taxa found in India) in studies carried out so far. Published records of distribution are included only when the source is unquestionably authentic. New synonymies and new combinations have been proposed based on the studies carried out by the author.

Efforts have been made to find the most recent combination and synonymy for each species. Wherever it was not possible, rather than try to locate the exact reference in which the synonymy or nomenclatural change has been made, reference has been made to the recent generic revisions, faunal works, etc. in the belief that these sources will be beneficial to the user.

Type depositories of the species included have been given wherever possible from original descriptions and publications on the type material of different coleopterists such as Motschulsky (Iablokoff-Khnzorian, 1972), Crotch (Gordon, 1987), Thunberg (Pope, 1987), and Hope (Booth & Pope, 1989) and are preceded by a question mark wherever doubtful. Most of Weise's types are deposited in Berlin and Stockholm Museums; Weise's species described from H.E. Andrewes Collection are in British Museum. Those of Sicard and Gorham (except for a few in British Museum) are in Paris Museum. There is no Mulsant collection as such. For some of the species described by Mulsant, the collection from which he described them is indicated within brackets. The present depositories for these collections as given by Gordon (1987) are indicated. The references pertaining to lectotype designations are also given.

Sources: This list is mainly based on available literature rather than on extensive taxonomic studies. It has been compiled mainly with the aid of Zoological Record (Insecta), Korschefsky's Coccinellidae Catalogues, and original descriptions, wherever available. For groups such as Scymninae and Sticholotidinae, which are very poorly known from this region, Zoological Record and Korschefsky's catalogues were the only sources of information in many cases. It is reasonably complete for taxa described after 1940. Many original publications by Weise, Sicard, Motschulsky and Gorham could not be consulted.

Abbreviations used for type depositories

AMU - Aligarh Muslim University, Aligarh, India.
 BBM - Bernice P. Bishop Museum, Honolulu.
 BMNH - Natural History Museum, London, UK.
 EU - Ehime University, Ehime, Japan.
 CAS - California Academy of Sciences, San Francisco, USA.
 DEI - Deutsches Entomologisches Institut - Eberswalde, Germany.
 DLM - Museum d'Histoire Naturelle, Lyon, France.
 HSPES - Hawaiian Sugar Planters' Experiment Station
 HU - Hokkaido University, Sapporo, Japan.
 IZUI - Institut für Zoologie der Universität Innsbruck
 KU - Kyushu University, Fukuoka, Japan.
 LSL - Linnaean Society, London, UK.
 MFT - Museum Frey, Tutzing, Germany.
 MCSNT - Museo Civico di Storia Naturale, Trieste, Italy.
 MCSNG - Museo Civico di Storia Naturale, Genoa, Italy.
 MHNG - Muséum d'Histoire Naturelle, Geneva, Switzerland.
 MNHUB - Museum für Naturkunde der Humboldt-Universität, Berlin, Germany.
 NMB - Naturhistorischen Museum, Basel, Switzerland.
 NPC - National Pusa Collection, Indian Agri. Res. Institute, New Delhi, India.
 NREA - Naturhistoriska Riksmuseet, Stockholm, Sweden.
 OUM - Oxford University Museum, Oxford, UK.
 PAS - Polish Academy of Sciences, Warsaw, Poland.
 PDBC - Project Directorate of Biological Control, India.
 PM - Muséum National d'Histoire Naturelle, Paris, France.
 RAS - Institute of Zoology, Russian Academy of Sciences, Leningrad.
 SMNS - Staatliches Museum für Naturkunde, Stuttgart, Germany.

TNAU - Tamil Nadu Agricultural University, Coimbatore, India.
 UCCC - University of Cambridge, Crotch Collection, UK.
 UM - University of Moscow, Moscow, Russia.
 UMZH - Zoological Museum of the University, Helsinki, Finland.
 USNM - United States National Museum, Washington, USA.
 UTAF - University of Teheran, Agricultural Faculty, Iran.
 UU - University of Uppsala, Uppsala, Sweden.
 ZIL - Museum de Saint Petersbourg, Zoological Institute, Leningrad.
 ZB - Zoologischen Museum, Berlin, Germany.
 ZMC - Zoologisk Museum, Copenhagen, Denmark.
 ZSI - Zoological Survey of India, Calcutta, India.
 ZSBS - Zoologischen Sammlung des Bayerischen Staates, München, Germany.

Other abbreviations/symbols

@ - New record	* - Introduced species
!! – Doubtful record	cat. – catalogue
desc. – description	redesc. – redescription
rev. – revision	syn. – synonymy
genit. – genitalia	dist. – distribution
fig. – figure	comb. nov. - new combination
syn. nov. – new synonym	

Present depositories for some of the collections studied by Mulsant

Dejean – DLM	Linnaeus – LSL	Melly - GM
Motschulsky – UM	Perroud – PM	Schoenherr - NREA
Westermann – ZMC		

Abbreviations used for Indian states and union territories

AN - Andaman and Nicobar Islands	MH - Maharashtra
AP - Andhra Pradesh	MP - Madhya Pradesh
AS - Assam	MI - Mizoram
BI - Bihar	NA - Nagaland
GU - Gujarat	OR - Orissa
HP - Himachal Pradesh	PB - Punjab
J & K - Jammu and Kashmir	PY - Pondicherry
KA - Karnataka	RJ - Rajasthan
KE – Kerala	SK - Sikkim
LDI - Lakshadweep Islands	TN - Tamil Nadu
MA - Manipur	UP - Uttar Pradesh
ME – Meghalaya	WB - West Bengal

Subfamily CHILOCORINAE

Tribe Chilacorini

***Brumoides* Chapin, 1965a**

Brumoides Chapin, 1965a: 237. Type species: *Coccinella suturalis* Fabricius, 1798: 78, by original designation.

1. *lineatus* (Weise)

Brumus lineatus Weise, 1885a: 229; 1900a: 422.-Korschefsky, 1932: 265.-Kapur, 1967: 174.

Brumus lineatus var. *ruficollis* Weise, 1885a: 230.-Korschefsky, 1932: 265.

Brumoides lineatus: Miyatake, 1970a: 305.

Distribution: India: AN. Sri Lanka. Bangladesh. Nepal. Thailand. Myanmar.

2. *suturalis* (Fabricius)

Coccinella suturalis Fabricius, 1798: 78 (?ZMC).

Brumus suturalis: Mulsant, 1850: 494.-Korschefsky, 1932: 267.-Kapur, 1942: 56 (biol., early stages figd.).

Brumoides suturalis: Chapin, 1965a: 237.

Distribution: India: Goa; KA; TN; PB; MH; UP; MA. Pakistan. Bangladesh. Sri Lanka. Himalayas. Bhutan. Nepal. Sri Lanka.

***Brumus* Mulsant, 1850**

Brumus Mulsant, 1850: 465, 492. Type species: *Brumus octosignatus* (Gebler), through synonymy with *Coccinella desertorum* Gebler, by subsequent designation of Crotch, 1874.

1. *ceylonicus* Weise

Brumus ceylonicus Weise, 1900a: 421 (Syntype; DEI).-Korschefsky, 1932: 265.

Distribution: Sri Lanka.

Note: This might be a *Brumoides*.

***Chilocorus* Leach, in Brewster, 1815**

Chilocorus Leach, in Brewster, 1815: 116. Type species: *Coccinella cacti* Linnaeus, 1767, monobasic.

1. *bipustulatus* (Linnaeus)

Coccinella bipustulata Linnaeus, 1758: 367.

Chilocorus bipustulatus: Mulsant, 1846: 170.-Crotch, 1874: 185.-Jakobson, 1916: 990.

Distribution: India: J & K. Pakistan. China. Mongolia. Western Europe. Russia.

2. *braeti* Weise

Chilocorus braeti Weise, 1895a: 154.-Korschefsky, 1932: 240 (cat.).

Distribution: India: WB; SK.

3. *circumdatu* (Gyllenhal)

Coccinella circumdata Gyllenhal, in Schönherr, 1808: 152 (?NREA).-Mulsant, 1850: 454.-Crotch, 1874: 186.-Korschefsky, 1932: 242 (cat.).-Nagaraja & Hussainy, 1967: 250 (rev.).

Chilocorus nigromarginatus Motschulsky, 1859: 174 (lectotype; UM).-Crotch, 1874: 186 (syn.).

Chilocorus nigromaculatus: Iablokoff-Khnzorian, 1972: 168.

Distribution: India: AS; KA; TN. Sri Lanka. Nepal. Indonesia. China. Hong Kong. Introduced into Australia.

4. *coelosimilis* Kapur

Chilocorus coelosimilis Kapur, 1967: 171 (Holotype ♂; ZSI).-Afroze, 1999: 27-34 (dist.).

Distribution: India: AN; UP; Goa.

5. hauseri Weise

Chilocorus hauseri Weise, 1895b: 135.-Sicard, 1913: 500.-Korschefsky, 1932: 243.-Nagaraja & Hussainy, 1967: 250 (rev.).

Distribution: India: WB; SK. Myanmar. China.

6. infernalis Mulsant

Chilocorus infernalis Mulsant, 1853a: 189 (lectotype; UCCC).-Crotch, 1874: 183.-Gordon, 1987: 23 (lectotype design.).

Chilocorus bijugus Mulsant, 1853a: 189; 1853b: 61.-Crotch, 1874: 183.-Korschefsky, 1932: 242 (cat.).-Kapur, 1956a: 259 (desc., habitus & genitalia figd.).-Nagaraja & Hussainy, 1967: 249 (rev.).-Miyatake, 1970a: 324-325 (habitus, female genitalia figd.).

Chilocorus bijugus infernalis: Korschefsky, 1932: 242(cat.).-Fotidar, 1941: 236.

Distribution: India: ME; HP; J & K; UP. Nepal. Pakistan. China.

7. matsumurai Miyatake

Chilocorus matsumurai Miyatake, 1985: 13 (Holotype ♀; HU).-Canepari, 1997: 3 (dist.).

Distribution: Nepal.

8. melanophthalmus Mulsant

Chilocorus melanophthalmus Mulsant, 1850: 455 (lectotype; UCCC).-Crotch, 1874: 186.-Korschefsky, 1932: 234.-Gordon, 1987: 23 (lectotype design.).

Distribution: Indonesia (Java).

9. melas Weise

Chilocorus melas Weise, 1898: 229 (lectotype ♀; MNHUB).-Korschefsky, 1932: 243 (cat.).-Booth, 1998: 364 (redesc., lectotype design.).

Chilocorus gressitti Miyatake, 1970a: 330 (Holotype ♂; ?CAS/EU).-Pang & Mao, 1979: 84.-Synonymised by Booth, 1998: 364.

Distribution: India: SK. Bhutan. Myanmar. China. Hong Kong. Southeast Asia.

10. nigrita (Fabricius)

Coccinella nigrita Fabricius, 1798: 79 (Type material lost-Booth, 1998).

Chilocorus nigritus: Mulsant, 1850: 463.-Crotch, 1874: 184.-Korschefsky, 1932: 240.-Nagaraja & Hussainy, 1967: 252 (rev.).

Chilocorus nigrita: Bielawski, 1957: 86 (♂ genitalia figs.).-Samways, 1989: 345 (world dist.).-Booth, 1998: 362 (rev.).

Distribution: India: KA; KE; AP; TN; MH. Pakistan. Sri Lanka. Bangladesh. Myanmar. China. Indonesia. Thailand. South Africa. Seychelles. Pacific. Brazil.

11. politus Mulsant

Chilocorus politus Mulsant, 1850: 455 (lectotype; HEC, OU).-Crotch, 1874: 187.-Korschefsky, 1932: 243 (cat.).-Booth & Pope, 1989: 360 (lectotype desig.).

Distribution: India. Bhutan. Nepal. Thailand. Java (Indonesia).

12. rubidus Hope

Chilocorus rubidus Hope in Gray, 1831: 31 (lectotype; BMNH).-Mulsant, 1850: 453.-Crotch, 1874: 183.-Korschefsky, 1932: 241 (cat.).-Kapur, 1956a: 262 (redes. & genitalia figd.).-Nagaraja & Hussainy, 1967: 253 (rev.).-Miyatake, 1970a: 318-319.-Booth & Pope, 1989: 362 (lectotype desig.).

Coccinella tristis Faldermann, 1835: 452.

Chilocorus tristis: Mulsant, 1850: 452; Crotch, 1874: 183.-Weise, 1885b: 51 (syn.).

Chilocorus rubidus ab. *tristis*: Korschefsky, 1932: 241 (cat.).-Kapur, 1956a: 262 (rev.).

Distribution: India: Goa; J&K; UP. Pakistan. Nepal. China. Malaysia. Japan. Celebes. ?Australia. Korea. Siberia. Manchuria. Mongolia.

13. *subindicus* Booth

Chilocorus subindicus Booth, 1998: 365 (Holotype ♂; BMNH).

Distribution: India: LDI; MH; TN; KE. Maldives. Sri Lanka.

Curinus Mulsant, 1850

Orcus (*Curinus*) Mulsant, 1850: 472.

Curinus: Crotch, 1874: 190.-Korschefsky, 1932: 252.-Chapin, 1965a: 244. Type species:

Orcus (*Curinus*) *coeruleus* Mulsant, 1850, monobasic.

1. *coeruleus* (Mulsant)*

Orcus (*Curinus*) *coeruleus* Mulsant, 1850: 472 (Type material: DLM; HEC, OU).

Curinus coeruleus: Korschefsky, 1932: 252 (cat.).

Distribution: India: KA; TN; AP. Nepal. Thailand. The Philippines. Central & South America.

Exochomus Redtenbacher, 1844

Exochomus Redtenbacher, 1844: 11.-Mulsant, 1850: 465, 476, 481.-Crotch, 1874: 192; Korschefsky, 1932: 252 (cat.).-Chapin, 1965a: 247 (rev.). Type species: *Coccinella quadripustulata* Linnaeus, 1758: 367, by subsequent designation of Thomson, 1859: 160.

Exochomus (*Exochomus*): Barovsky, 1922: 291.-Chapin, 1965a: 248.

Exochomus (*Parexochomus*) Barovsky, 1922: 292. Type species: *Exochomus pubescens* Küster, by subsequent designation of Chapin, 1965a: 250.

Exochomus (*Anexochomus*) Barovsky, 1922: 292. Type species: *Exochomus undulatus* Weise, by subsequent designation of Chapin, 1965a: 250.

Exochomus (*Xanthocorus*) Miyatake, 1970a: 312. Type species *E. (X.) nigromarginatus* Miyatake, by original designation.

1. *nigripennis* (Erichson)

Chilocorus nigripennis Erichson, 1843: 267.

Exochomus nigromaculatus var. *nigripennis*: Crotch, 1874: 192.

Exochomus flavipes ab. *nigripennis*: Korschefsky, 1932: 255 (cat.).

Distribution: Northwestern India. Pakistan. Palaearctic. Africa.

Note: Kapur's (1951a: 292) record of *E. flavipes* from India is *E. nigripennis* (R.G. Booth, *in litt.*).

2. *pubescens* Küster

Exochomus pubescens Küster, 1848: 94.-Mulsant, 1853a: 192; 1853b: 64.-Korschefsky, 1932: 256.-Kapur, 1951a: 292 (dist.).

Exochomus (*Parexochomus*) *pubescens*: Chapin, 1965a: 250.

Distribution: India: Delhi (Kapur, 1951a). Pakistan. Spain. North Africa. Greece. Egypt. Syria. Palestine.

3. *quadripustulatus* (Linnaeus)

Coccinella quadripustulata Linnaeus, 1758: 367 (BMNH).

Exochomus quadripustulatus: Mulsant, 1846: 172.-Crotch, 1874: 192.-Korschefsky, 1932: 256.

Distribution: India: J & K. Middle East. Russian Far East. Western Europe.

Orcus Mulsant, 1850

Orcus Mulsant, 1850: 465. Type species: *Orcus janthinus* Mulsant, by subsequent designation of Crotch, 1874.

1. *bipunctatus* Gorham

Orcus bipunctatus Gorham, 1895: 689.-Korschefsky, 1932: 250 (cat.).
Distribution: Myanmar.

2. *carinicus* Gorham

Orcus carinicus Gorham, 1895: 688.-Korschefsky, 1932: 250 (cat.).
Distribution: Myanmar.

3. *quadriguttatus* Gorham

Orcus quadriguttatus Gorham, 1895: 689.-Korschefsky, 1932: 251 (cat.).
Distribution: Myanmar.

Phaenochilus Weise, 1895b

Phaenochilus Weise, 1895b: 135. Type species: *Phaenochilus punctifrons* Weise, by subsequent designation of Korschefsky, 1932.

1. *flaviceps* Miyatake

Phaenochilus flaviceps Miyatake, 1970b: 111 (Holotype ♂; BBM).
Distribution: India: TN.

2. *indicus* Miyatake

Phaenochilus indicus Miyatake, 1970b: 113 (Holotype ♂; EU).
Distribution: India: TN.

Priscibrumus Kovar, 1997

Priscibrumus Kovar, 1997: 114. Type species: *Exochomus puniceipennis* Semenow, 1900, by original designation.

1. *disjunctus* Canepari

Priscibrumus disjunctus Canepari, 1997: 45 (Holotype ♂; SMNS).
Distribution: Nepal.

2. *himalayensis* (Kapur)

Exochomus himalayensis Kapur, 1958: 333 (Holotype ♂; BMNH).
Priscibrumus himalayensis: Kovar, 1997: 118.
Distribution: Nepal.

3. *litoratus* (Gorham)

Exochomus litoratus Gorham, 1894a: 203 (BMNH).-Korschefsky, 1932: 255 (cat.).-Smith, 1965: 363 (cytological species separation).-Nagarkatti & Ghani, 1972: 58 (biol., immature stages desc., larval chaetotaxy).
Exochomus (Exochomus) litoratus: Chapin, 1965a: 249.
Priscibrumus litoratus: Kovar, 1997: 117.
Distribution: India: HP; J&K. Pakistan.

4. *trijunctus* (Kapur)

Exochomus trijunctus Kapur, 1969: 377 (Holotype ♂; MCSNT).
Priscibrumus trijunctus: Kovar, 1997: 117.
Distribution: India: J & K. Karakoram range.

5. *trubetzkoi* (Barovsky)

Exochomus trubetzkoi Barovsky, 1927: 251.-Korschefsky, 1932: 261 (cat.).
Priscibrumus trubetzkoi: Kovar, 1997: 117.
Distribution: India: J & K.

6. uropygialis (Mulsant)

Exochomus uropygialis Mulsant, 1853a: 196; 1853b: 68 (lectotype; UCCC).-Korschefsky, 1932: 261 (cat.).-Smith, 1965: 363 (cytological species separation).-Nagarkatti & Ghani, 1972: 63 (biol., adult & immature stages desc.).-Miyatake, 1985: 11-12 (habitus, male genitalia figd.).

Brumus uropygialis: Crotch, 1874: 196.-Gordon, 1987: 25 (lectotype design.).

Exochomus (Exochomus) uropygialis: Barovsky, 1922: 297; 1927: 251.-Mader, 1955: 789, 797.-Bielawski, 1979: 114.

Priscibrumus uropygialis: Kovar, 1997: 117.

Distribution: India: J&K; HP. Bhutan. Pakistan. Nepal.

***Simmondsius* Ahmad & Ghani, 1966**

Simmondsius Ahmad & Ghani, 1966: 9. Type species: *Simmondsius pakistanensis* Ahmad & Ghani, by original designation.

1. pakistanensis Ahmad & Ghani

Simmondsius pakistanensis Ahmad & Ghani, 1966: 9 (Holotype ♂; USNM).

Distribution: Pakistan. India.

Tribe Platynaspidini (emended by Dozier, 1992)***Phymatosternus* Miyatake, 1961a**

Phymatosternus Miyatake, 1961a: 167. Type species: *Platynaspis lewisii* Crotch, 1874: 198, by original designation.

1. khalaus Bielawski

Phymatosternus khalaus Bielawski, 1979: 112 (Holotype ♂; NMB).

Distribution: Bhutan.

2. lewisi (Crotch)

Platynaspis lewisii Lewis, 1873: 56 (*nomen nudum*).

Platynaspis lewisi Crotch, 1874: 198 (Holotype; UCCC).-Mader, 1955: 813.

Platynaspis lewisi var. *obscura* Sicard, 1907a: 211.

Phymatosternus lewisi: Miyatake, 1961a: 168 (rev.).-Sasaji, 1971: 218-219 (desc., ♂ genitalia figd.).

Distribution: India. Myanmar. China. Japan. Taiwan.

3. octoguttatus Miyatake

Phymatosternus octoguttatus Miyatake, 1961a: 173 (Holotype ♂; ?CAS).-Bielawski, 1979: 110 (dist.).

Distribution: Bhutan. China.

4. samchus Bielawski

Phymatosternus samchus Bielawski, 1979: 111 (Holotype ♀; NMB).

Distribution: Bhutan.

5. wittmeri Bielawski

Phymatosternus wittmeri Bielawski, 1979: 110 (Holotype ♂; NMB).

Distribution: Bhutan.

***Platynaspidius* Miyatake, 1961a**

Platynaspidius Miyatake, 1961a: 161. Type species: *Platynaspis maculosa* Weise, 1910a: 48, by original designation.

1. angulimaculatus (Mader)

Platynaspis angulimaculata? Mader, 1938.

Platynaspidius angulimaculatus: Canepari, 2003: 265 (dist.).

Distribution: Nepal. Thailand. China.

1. bimaculata (Pang & Mao)

Platynaspis bimaculata Pang & Mao, 1979: 94-95.

Platynaspis kapuri Chakraborty & Biswas, 2000: 122 (Holotype ♂; ZSI).

Syn.nov.

Distribution: India: AS; ME; TR; northeastern region. China.

2. saundersi (Crotch)

Platynaspis saundersi Crotch, 1874: 197 (Holotype; UCCC).-Korschefsky, 1932: 235.

Platynaspidius saundersi: Miyatake, 1985: 11.

Distribution: India: HP; J & K; WB. Nepal. Afghanistan.

***Platynaspis* Redtenbacher, 1844**

Platynaspis Redtenbacher, 1844: 6, 11. Type species: *Coccinella luteorubra* Goeze (1777: 247), by ?original designation.

1. flavoguttata (Gorham)

Scymnus flavoguttata Gorham, 1894a: 208 (BMNH).

Pharus flavoguttata: Weise, 1895a: 157.

Platynaspis flavoguttata: Sicard, 1913: 501.-Korschefsky, 1932: 232 (cat.).

Distribution: India: KA (Belgaum). Myanmar.

2. nepalensis Canepari

Platynaspis nepalensis Canepari, 1997: 20, 45 (Holotype ♀; MHNG).

Distribution: Nepal.

3. ocellimaculata Pang & Mao

Platynaspis ocellimaculata Pang & Mao, 1979: 95.-Canepari, 1997: 20 (dist.).

Distribution: Nepal. China.

4. trimaculata Weise

Platynaspis trimaculata Weise, 1910a: 49.-Korschefsky, 1932: 235 (cat.).

Distribution: India: SK.

Note: Platynaspis indicus Devi *et al.* (Shantibala & Singh, 1991) appears to be a *nomen nudum*.

Tribe Telsimiini***Telsimia* Casey, 1899**

Telsimia Casey, 1899: 109, 165. Type species: *Telsimia tetrasticta* Casey, by subsequent designation of Chapin, 1926: 129.

Lipernes Blackburn, 1889: 212 (preoccupied).-Synonymised by Chapin, 1926: 129.

Notolipernes Blackburn, 1900: 68 (replacement name for *Lipernes*).-Synonymised by Chapin, 1926: 129.

1. bangalorensis Kapur

Telsimia bangalorensis Kapur, 1969: 48 (Holotype ♀; ZSI).

Distribution: India: KA.

2. bicolor Kapur

Telsimia bicolor Kapur, 1969: 54 (Holotype ♀; ZSI).

Distribution: India: AN (Great Nicobar).

3. ceylonica (Weise)

Platynaspis ceylonica Weise, 1900a: 422.-Korschefsky, 1932: 232 (cat.).

Telsimia ceylonica: Chapin, 1926: 130 (syn. & desc.).-Kapur, 1967: 170; 1969: 46 (rev.).

Distribution: India: KA. Sri Lanka.

4. darjeelingensis Kapur

Telsimia darjeelingensis Kapur, 1969: 50 (Holotype ♂; MFT).

Distribution: India: WB.

5. flavomaculata Poorani

Telsimia flavomaculata Poorani, 2003a: 51 (Holotype ♂; PDBC).

Distribution: India: KA.

6. humidiphila Kapur

Telsimia humidiphila Kapur, 1969: 52 (Holotype ♂; ZSI).

Distribution: India: ME (Cherrapunji).

7. martis (Mulsant)

Scymnus martis Mulsant, 1853a: 272; 1853b: 144 (Holotype ♀; UM).-Crotch, 1874: 252.-Iablokoff-Khnzorian, 1972: 170.

Scymnus (Nephus) martis: Mulsant, 1853b: 144.-Korschefsky, 1931: 131 (cat.).

Telsimia martis: Hoang, 1977: 1888-1889.

Distribution: "India Orientali".

8. postocula Kapur

Telsimia postocula Kapur, 1967: 169; 1969: 54 (Holotype ♂; ZSI).

Distribution: India: AN.

9. rotundata (Motschulsky)

Scymnus rotundatus Motschulsky, 1859: 170 (lectotype; UM).-Crotch, 1874: 255.-Korschefsky, 1931: 113 (cat.).

Telsimia rotundata: Hoang, 1977: 1887.

Pullus rotundulus Motschulsky, 1866: 426 (UM).-Crotch, 1874: 257.-Weise, 1895a: 156.-1900: 440 (syn.).-Korschefsky, 1931: 113 (cat.).-Iablokoff-Khnzorian, 1972: 167.

Distribution: Sri Lanka. The Philippines. Taiwan.

Subfamily COCCIDULINAE**Tribe Coccidulini*****Empia* Weise, 1900a**

Empia Weise, 1900a: 445. Type species: *Empia vittata* Weise, 1900a, by monotypy.

1. vittata Weise

Empia vittata Weise, 1900a: 444.-Korschefsky, 1931: 96 (cat.).

Distribution: Sri Lanka.

Tribe Exoplectrini***Oridia* Gorham, 1895**

Oridia Gorham, 1895: 694. Type species: *Oridia pubescens* Gorham, by monotypy and original designation.

1. pubescens Gorham

Oridia pubescens Gorham, 1895: 694.-Sicard, 1913: 504.-Korschefsky, 1931: 81.

Distribution: India: SK. WB. Myanmar.

Tribe Noviini***Rodolia* Mulsant, 1850**

Rodolia Mulsant, 1850: 901, 902.-Crotch, 1874: 280.-Kapur, 1949: 531; 1950: 1-7 (rev.).

Type species: *Rodolia ruficollis* Mulsant, 1850, by subsequent designation of Crotch, 1874.

Rodolia (Macronovius) Weise, 1885b: 63; 1895d: 149.-Sicard, 1907b: 68.-Korschefsky, 1931: 98.

1. *amabilis* Kapur

Rodolia amabilis Kapur, 1949: 536 (Holotype; BMNH).

Distribution: India: KA; KE; TN; WB; OR. Sri Lanka.

2. *andamanica* Weise

Rodolia andamanica Weise, 1901a: 93.-Korschefsky, 1931: 98 (cat.).-Kapur, 1949: 535 (rev.).

Distribution: India: AN.

3. *breviuscula* Weise

Rodolia breviscula Weise, 1892: 26.-Korschefsky, 1931: 99 (cat.).-Kapur, 1949: 536 (rev.).

Distribution: India: TN; KA; KE; AP; BI; WB. Sri Lanka. Myanmar. Thailand. China.

4. *cardinalis* (Mulsant)*

Vedalia cardinalis Mulsant, 1850: 906 (Type material: HEC, OU).

Novius cardinalis: Crotch, 1874: 283.

Eurodolia cardinalis: Weise, 1895c: 150; 1916: 50.

Rodolia (Macronovius) cardinalis: Weise, 1905: 220.

Macronovius cardinalis: Weise, 1922: 104.

Rodolia cardinalis: Korschefsky, 1931: 99 (cat.).-Rao & Cherian, 1944: 1-20 (introduction into India).

Distribution: India: KA; TN; MH. Sri Lanka. Australia. Nearctic.

5. *fulvescens* Hoang[@]

Rodolia fulvescens Hoang, 1980: 10 (Holotype ♂; ZIL).

Distribution: India: AN. Bangladesh. Vietnam.

6. *fumida* Mulsant

Rodolia fumida Mulsant, 1850: 904.-Korschefsky, 1931: 101 (cat.).-Kapur, 1949: 534 (rev.).

Rodolia roseipennis Mulsant, 1850: 904.-Crotch, 1874: 281.-Korschefsky, 1931: 101 (cat.).

Rodolia chermesina Mulsant, 1850: 905 (lectotype; UCCC).-Gordon, 1987: 34 (lectotype design.).

Epilachna arethusa Mulsant, 1853a: 254 (lectotype; UCCC).-Crotch, 1874: 281.-Korschefsky, 1931: 101.-Gordon, 1987: 34 (lectotype design.).

Epilachna testicolor Mulsant, 1853a: 255 (lectotype; UCCC).-Crotch, 1874: 281.-Korschefsky, 1931: 101.-Gordon, 1987: 34 (lectotype design.).

Distribution: India: AS; MA; WB; PB; HP; ME; BI; MP; Delhi; KA; UP; MH; TN. Pakistan.

7. *marginata* Bielawski!

Rodolia marginata Bielawski, 1960.

Rodolia marginata: Canepari, 2003: 264 (dist.).

Distribution: Java. Nepal.

8. *minima* Kapur

Rodolia minima Kapur, 1949: 537 (Holotype ♀; BMNH).

Distribution: India: TN; KA.

9. *netara* Kapur

Rodolia netara Kapur, 1949: 537 (Holotype ♀; BMNH).

Distribution: India: TN.

10. nigrofrontalis Kapur

Rodolia nigrofrontalis Kapur, 1951b: 5 (Holotype ♂; ZSI).

Distribution: India: KE.

11. octoguttata Weise

Rodolia octoguttata Weise, 1910a: 51.-Korschefsky, 1931: 102 (cat.).-Kapur, 1951b: 2 (rev.).-Bielawski, 1972: 291.-Canepari, 1997: 47 (dist.).

Distribution: India: UP; ME. Nepal. Sri Lanka. Myanmar.

12. ruficollis Mulsant

Rodolia ruficollis Mulsant, 1850: 903.-Korschefsky, 1931: 102 (cat.).-Kapur, 1949: 535.

Vedalia ruficollis: Crotch, 1874: 281.

Distribution: India: AS; TN; WB. Pakistan. Thailand.

13. sexnotata (Mulsant)

Epilachna sexnotata Mulsant, 1850: 807 (lectotype ♀; HEC, OU).-Korschefsky, 1931: 68 (as *species incerta sedis*).-Booth & Pope, 1989: 363 (lectotype design.).

Rodolia sexnotata: Booth & Pope, 1989: 363.

Vedalia guerinii Crotch, 1874: 282.-Stebbing, 1904: 155-162 (biology, figs.).

Rodolia guerinii: Korschefsky, 1931: 101.-Kapur, 1949: 535 (rev.).-Synonymised by Booth & Pope, 1989: 363.

Rodolia immsi Weise, 1912: 120.-Korschefsky, 1931: 101.

‡*Rodolia 6-maculata* Korschefsky, 1940: 2.-Kapur, 1949: 535.

Distribution: India: PY; SK; TN; WB; UP. Nepal. Hong Kong. Bhutan.

‡*Note*: This may be a distinct species (R.G. Booth, *in litt.*).

Note: Records of *R. rufopilosa* Mulsant (1850: 903), a Chinese species, from India are probably erroneous (R.G. Booth, *in litt.*).

Tribe Sumniini (Khoang, 1982)***Sumnius* Weise, 1892**

Sumnius Weise, 1892: 29. Type species: *Sumnius cardoni* Weise, 1892: 30, by ?subsequent designation of Korschefsky, 1931.

1. cardoni Weise

Sumnius cardoni Weise, 1892: 30; 1905: 137.-Gorham, 1894b: 210 (as *Aulis*).-Korschefsky, 1931: 94 (cat.).

Sumnius uncinata Gorham, 1903: 344 (BMNH).-Weise, 1905: 138.-Korschefsky, 1931: 94 (cat.).

Distribution: India: BI; UP; OR; SK; AS. Pakistan. China. Thailand.

2. haematica (Gorham)

Aulis haematica Gorham, 1894b: 211.-Korschefsky, 1931: 95 (cat.).

Sumnius haematica: Bielawski, 1979: 107.

Distribution: India: AS. Himalayas. Bhutan.

3. hoangi Canepari

Sumnius hoangi Canepari, 1997: 47 (Holotype ♂; SMNS).

Distribution: Nepal.

4. notivestis (Mulsant)

Aulis notivestis Mulsant, 1853a: 264; 1853b: 136 (lectotype; UCCC).-Crotch, 1874: 295.-Korschefsky, 1931: 95 (cat.).-Gordon, 1987: 36 (lectotype design.).

Distribution: India: BI. Pakistan.

5. thanhhoaensis Hoang

Sumnius thanhhoaensis Hoang, 1980: 8 (Holotype ♂; ZIL).

Distribution: Nepal. Vietnam.

6. *vestita* (Mulsant)[‡]

Aulis vestita Mulsant, 1850: 934 (Type material: ?DLM).-Crotch, 1874: 294.-Gorham, 1894b: 210.-Korschefsky, 1931: 96 (cat.).-Lefroy, 1909: 308 (biol., immatures figd.).

Sumnius vestita: Bielawski, 1979: 107.

Sumnius renardi Weise, 1892: 29; 1895a: 157.-Gorham, 1894b: 210 (syn.).-Korschefsky, 1931: 95 (cat.).

Distribution: India: UP; BI; WB. Pakistan. Bhutan. Nepal. Sri Lanka.

[‡]Note: *S. vestita* and *S. cardoni* may be synonyms.

Tribe Tetrabrachini

***Tetrabrachys* Kapur, 1948a[†]**

Lithophilus Frölich, 1799: 11 (preoccupied). Type species: *Lithophilus connatus* Panzer, by subsequent designation?.

Tetrabrachys Kapur, 1948a: 319 (replacement name).

1. *gandhara* Kapur

Tetrabrachys gandhara Kapur, 1948a: 325 (Holotype ♂; BMNH).

Distribution: Pakistan.

2. *lindemanna* Fürsch

Tetrabrachys lindemanna Fürsch, 1960: 64.

Lithophilus lindemanna; Iablokoff-Khnzorian, 1974: 181.-Canepari, 1997: 46 (dist.).

Distribution: Pakistan. Nepal.

3. *robusta* Kapur

Tetrabrachys robusta Kapur, 1948a: 324 (Holotype; BMNH).

Distribution: India: UP. Pakistan.

[†]Note: Kapur (1948a) used *Tetrabrachys* as a replacement name for *Lithophilus* and Chazeau *et al.* (1989; 1990) also list this genus. But recent authors seem to use *Lithophilus* in preference (R.G. Booth, *in litt.*).

Subfamily COCCINELLINAE

Tribe Bulaeini

***Bulaea* Mulsant, 1850**

Bulaea Mulsant, 1850: 36, 69. Type species: *Coccinella lichatschovi* Hummel, 1827: 43, ?by subsequent designation.

1. *lichatschovii* (Hummel)[‡]

Coccinella lichatschovii Hummel, 1827: 43.

Bulaea bocandei Mulsant, 1850: 71, 1016 (lectotype; UCCC).-Gordon, 1987: 12 (lectotype design., wrongly spelt as *B. bocanderi*).

Bulaea flavidula Mulsant, 1850: 73 (lectotype; UCCC).-Gordon, 1987: 12 (lectotype design.).

Bulaea lichatschovi: Crotch, 1874: 105.-Kapur & Bhaumik, 1966: 446 (dist.).

Distribution: India: RJ; UP. Central and West Asia. Afghanistan. Mediterranean region. North and Central Africa.

[‡]Note: Dr. H. Fürsch (*in litt.*) informs that *Bulaea bocandei* (wrongly spelt as *B. bocanderi* in Gordon, 1987) occurs in Central Africa and is a valid species and not a synonym of *B. lichatschovii* as suggested by Gordon (1987).

2. nevilli (Dohrn)[‡]

Coccinella (Bulaea) nevilli Dohrn, 1882: 374.

Bulaea nevilli: Mader, 1926: 95.-Korschefsky, 1932: 379.

Distribution: Nepal.

[‡]*Note*: Original description of this species suggests *Illeis*, not *Bulaea* (R.B. Booth, *in litt.*). Mader's (1937) illustration of *B. nevilli* also indicates an *Illeis* sp. with black scutellum. The type specimen in Warsaw Museum was lost during the second world war and hence its status could not be confirmed (H. Fürsch, *in litt.*).

Tribe Coccinellini***Adalia* Mulsant, 1846**

Idalia Mulsant, 1846: 44 (preoccupied in Hübner, 1819 [Lepidoptera]). Type species:

Coccinella bipunctata Linnaeus, by subsequent designation of Crotch, 1874: 99.

Adalia Mulsant, 1846, Addenda et errata (2) (replacement name for *Idalia* Mulsant).

Arrowella Brethes, 1925: 44.-Korschefsky, 1932: 385. Type species: *Arrowella porteri* Brethes, by monotypy.

1. bipunctata (Linnaeus)

Coccinella bipunctata Linnaeus, 1758: 364 (lectotype ♀; LSL).

Idalia bipunctata: Mulsant, 1846: 51.

Adalia bipunctata: Mulsant, 1850: 58.-Crotch, 1874: 372.-Korschefsky, 1932: 385.-Gordon, 1985: 783-785 (rev.).-Iablokoff-Khnzorian, 1982: 438 (rev.).-Pope, 1989: 649 (rev.).

Distribution: Pakistan. Middle East. China. Africa. Europe. North America. South America. Australia.

2. puetzi Iablokoff-Khnzorian

Adalia puetzi Iablokoff-Khnzorian, 1986: 80 (Holotype ♂; Institut de Zoologie, Erewan).

Distribution: India: UP. Pakistan.

3. simmondsi Kapur & Sudha Rao

Adalia simmondsi Kapur & Sudha Rao, 1962 : 49-51 (Holotype ♂; ZSI).

Distribution: India: HP.

4. tetraspilota (Hope)

Coccinella tetraspilota Hope, 1831: 31(lectotype ♀; BMNH).-Booth & Pope, 1989: 366 (lectotype design.).

Adalia hopii Mulsant, 1850: 57 (incorrect replacement name).-Booth & Pope, 1989: 356.

Adalia tetraspilota: Crotch, 1874: 101.-Korschefsky, 1932: 434 (cat.).-Nagarkatti & Ghani, 1972: 85 (biol., adult & immature stages desc.).

Adalia (Adalia) tetraspilota: Iablokoff-Khnzorian, 1982 (rev.).

Distribution: India: J&K; WB; HP; UP. Nepal. Iran. Afghanistan. Central Asia. China.

***Aiolocaria* Crotch, 1871**

Aiolocaria Crotch, 1871: 6. Type species: *Coccinella hexaspilota* Hope, 1831, by subsequent designation of ?Crotch, 1871.

Ithone Solsky, 1872: 276 (preoccupied). Type species: *Ithone mirabilis* Motschulsky, 1860, by monotypy.

1. hexaspilota (Hope)

Coccinella hexaspilota Hope, 1831: 31 (lectotype ♂; BMNH).-Booth & Pope, 1989: 356 (lectotype design.).

Caria sexspilota: Mulsant, 1850: 235; 1866: 168.

Aiolocaria sexspilota: Crotch, 1874: 178.

Aeolocaria hexaspilota: Barovsky, 1928: 232.

Aiolocaria hexaspilota: Korschefsky, 1932: 277 (cat.).-Mader, 1934: 303.

Leis mirabilis Motschulsky, 1860: 246 (Holotype; UM).-Iablokoff-Khnzorian, 1972: 165.-Solsky, 1872: 272 (as *Ithone*).

Aiolocaria mirabilis: Korschefsky, 1932: 277.-Sasaji, 1971: 297 (desc.).

Distribution: India: J&K; SK; WB. Pakistan. Nepal. Myanmar.

***Alloneda* Iablokoff-Khnzorian, 1979**

Alloneda Iablokoff-Khnzorian, 1979: 63. Type species: *Coccinella dodecaspilota* Hope, 1831 (as *Coccinella dodecastigma* Hope), by original designation.

1. dodecaspilota (Hope)

Coccinella 12-spilota Hope, 1831: 31 (lectotype ♀; BMNH).-Booth & Pope, 1989: 352 (lectotype design.).

Caria duodecimpilota: Mulsant, 1850: 236; 1866: 172.

Aiolocaria dodecaspilota: Crotch, 1874: 178.-Korschefsky, 1932: 277 (cat.).

Palaeoneda dodecaspilota: Mader, 1934: 302.-Kapur, 1963a: 26.

Alloneda dodecaspilota: Iablokoff-Khnzorian, 1979: 44; 1982: 252.-Miyatake, 1985: 19-20 (♂ genitalia figd.).

Alloneda dodecastigma (sic): Iablokoff-Khnzorian, 1979: 63.

Distribution: India: SK; WB. Nepal. Myanmar. Vietnam. Thailand. China.

***Anatis* Mulsant, 1846**

Anatis Mulsant, 1846: 133. Type species: *Coccinella ocellata* Linnaeus, 1758, by monotypy.

1. ocellata (Linnaeus)

Coccinella ocellata Linnaeus, 1758: 366 (?LSL).

Anatis ocellata: Jacobson, 1916: 986.-Iablokoff-Khnzorian, 1982: 304.-Kuznetsov, 1997: 204.

Distribution: Pakistan. China. Korean Peninsula. Europe.

2. quindecimpunctata (De Geer)

Coccinella quindecimpunctata De Geer, 1775: 376.

Anatis quindecimpunctata: Korschefsky, 1932: 556 (cat.).-Abdullah, 1969: 320.

Distribution: Pakistan.

Note: Surely a synonym of *A. ocellata* (R.G. Booth, *in litt.*)

***Anegleis* Iablokoff-Khnzorian, 1982**

Anegleis Iablokoff-Khnzorian, 1982: 295. Type species: *Verania cardoni* Weise, 1892, by original designation.

Anegleis (*Pseudanegleis*) Iablokoff-Khnzorian, 1982: 296. Type species: *Coelophora perrotteti* Mulsant, 1850, by original designation.

1. cardoni (Weise)

Verania cardoni Weise, 1892: 19; 1895a: 153.

Coelophora cardoni: Gorham, 1894a: 202; 1894b: 209.

Micraspis cardoni: Timberlake, 1943: 27.

Anegleis cardoni: Iablokoff-Khnzorian, 1982: 295.

Distribution: India: KE; TN; MP; UP; KA; BI; Goa. Pakistan. Sri Lanka.

***Bothrocalvia* Crotch, 1874**

Bothrocalvia Crotch, 1874: 143; Type species: *Bothrocalvia albolineata* (Schönherr), by original designation.

1. *albolineata* (Gyllenhal)

Coccinella albolineata Gyllenhal, in Schönherr, 1808: 158 (Schönherr coll.).

Calvia albolineata: Mulsant, 1850: 146; 1866: 118.

Bothrocalvia albolineata: Crotch, 1874: 143.-Korschefsky, 1932: 521 (cat.).- Ghosh *et al.*, 1977: 12 (dist.).

Distribution: India: ME; SK; WB. China. Hong Kong. Taiwan.

2. *lewisii* Crotch

Bothrocalvia lewisii Crotch, 1874: 143 (Holotype; UCCC).-Shantibala & Singh, 1991: 39-43 (dist.).

Calvia lewisi: Korschefsky, 1932: 524 (cat.).

Distribution: India: MA; NA. China. Myanmar.

3. *pupillata* (Swartz)

Coccinella pupillata Swartz, in Schönherr, 1808: 184.

Coelophora pupillata: Mulsant, 1850: 397; 1866: 263.-Crotch, 1874: 153.-Korschefsky, 1932: 296 (cat.).-Kapur, 1963b: 264 (dist.).

Bothrocalvia pupillata: Timberlake, 1943: 34.

Bothrocalvia decemsignata Iablokoff-Khnzorian, 1982: 174 (Holotype; ?RAS).-Canepari, 1997: 49 (dist.).

Distribution: India: WB. Nepal. Java.

***Callicaria* Crotch, 1874**

Callicaria Crotch, 1874: 169. Type species: *Caria superba* Mulsant, 1853a, by original designation.

1. *superba* (Mulsant)

Caria superba Mulsant, 1853a: 159 (lectotype, UCCC).

Callicaria superba: Crotch, 1874: 170.-Korschefsky, 1932: 271 (cat.).-Mader, 1934: 298,299.-Gordon, 1987: 21 (lectotype design.).

Callicaria superba japonica Sicard, 1907a: 211.-Sasaji, 1971: 294.

Synonycha japonica Kurisaki, 1915: 443.-Sasaji, 1971: 294.

Pseudosynonycha japonica: Kurisaki, 1923: 104-105.-Sasaji, 1971: 294 (syn.).

Distribution: India: HP; MA; SK; WB; UP. Nepal. Himalayas. Bhutan. Tibet. Japan. Taiwan.

***Calvia* Mulsant, 1846**

Calvia Mulsant, 1846: 140.-Crotch, 1874: 143.-Mader, 1926: 20.-Iablokoff-Khnzorian, 1982: 176. Type species: *Coccinella decemguttata* Linnaeus, 1758: 367, by subsequent designation of Crotch, 1874.

Anisocalvia Crotch, 1871: 329.-Casey, 1899: 96. Type species: *Coccinella quatuordecimguttata* (L.) by subsequent designation of Crotch, 1874.

Calvia (*Anisocalvia*): Korschefsky, 1932: 521.-Iablokoff-Khnzorian, 1982: 184.

Eocaria Timberlake, 1943: 37.-Iablokoff-Khnzorian, 1982: 176. Type species: *Eocaria muiri* Timberlake, by original designation.

1. *albida* Bielawski

Calvia albida Bielawski, 1972: 308 (Holotype ♂; ZSBS).-Booth, 1997: 931 (rev.).

Distribution: India: SK; WB; UP. Nepal.

2. *andrewesi* (Weise)

Anisocalvia andrewesi Weise, 1908: 220 (lectotype ♀; BMNH).

Calvia andrewesi: Korschefsky, 1932: 521 (cat.).-Booth, 1997: 929 (status rev. and lectotype design.).

Distribution: India: TN (Anamalais, Nilgiris); KE.

3. *breiti* Mader

Calvia (Anisocalvia) breiti Mader, 1932: 6.

Calvia breiti: Korschefsky, 1932: 589 (cat.).-Booth, 1997: 930 (rev.).

Distribution: India: HP; J&K; SK; UP. Nepal. Pakistan. Bhutan.

4. *championorum* Booth

Calvia championorum Booth, 1997: 931 (Holotype ♂; BMNH).-Yu & Wang, 1999.

Calvia trilochana Jing, 1992 (not Kapur 1963b): Yu *et al.*, 2000: 194.

Sospita (Myzia) horni Wei *et al.*, 1985 (not Crotch, 1874): Yu *et al.*, 2000: 194.

Distribution: India: UP. China. Taiwan.

5. *flaveola* Booth

Calvia flaveola Booth, 1997: 932 (Holotype ♂; BMNH).

Distribution: India: UP; J & K. Pakistan. Myanmar.

6. *monosha* Bielawski

Calvia monosha Bielawski, 1979: 122 (Holotype ♂; NMB).-Booth, 1997: 927 (rev.).

Distribution: Bhutan.

7. *punctata* (Mulsant)

Harmonia punctata Mulsant, 1853a: 143; 1866: 69.

Anisocalvia punctata: Crotch, 1874: 144 (lectotype; UCCC).-Gordon, 1987: 17 (lectotype design.).

Calvia punctata: Korschefsky, 1932: 524 (cat.).-Bielawski, 1963b: 17-18 (habitus, genitalia figd.).-Booth, 1997: 928 (rev.).

Propylea obversepunctata Mulsant, 1853a: 156; 1853b: 28; 1866: 151 (lectotype; UCCC).-Crotch, 1874: 144 (as *Anisocalvia*).-Bielawski, 1963a: 17 (syn.).-Gordon, 1987: 17 (lectotype design.).

Distribution: India: UP; J&K. Nepal. Pakistan. Afghanistan.

8. *quatuordecimguttata* (Linnaeus)

Coccinella 14-guttata Linnaeus, 1758: 367 (Syntype; ?LSL).

Calvia quatuordecimguttata: Mulsant, 1850: 140.-Booth, 1997: 926 (rev.).

Anisocalvia quatuordecimguttata: Crotch, 1874: 144.

Coccinella 12-maculata Gebler, 1832: 76 (preoccupied).-Synonymised by Belicek, 1976; 327.

Oenopia dorsonotata Mulsant, 1850: 424 (lectotype; HEC, OU).-Crotch, 1874: 145 (as *Anisocalvia*).-Iablokoff-Khznorian, 1982: 179 (as *Calvia*).-Synonymised and lectotype designated by Booth & Pope, 1989: 353.

Distribution: India: WB. Bhutan. Nepal.

9. *quindecimguttata* (Fabricius)

Coccinella quindecimguttata Fabricius, 1777: 217 (?ZMC).

Calvia bis-7-guttata: Mulsant, 1846: 144.

Anisocalvia quindecimguttata: Sasaji, 1971: 269 (desc.).

Eocaria quindecimguttata: Miyatake, 1965: 71.

Calvia (Anisocalvia) quindecimguttata: Iablokoff-Khnzorian, 1982: 193 (rev.).-Kuznetsov, 1997: 199 (desc., habitus fig.).

Distribution: India (Kuznetsov, 1997). Japan. China. Mongolia. Europe.

10. *shiva* Kapur

Calvia shiva Kapur, 1963a: 40 (Holotype ♂; BMNH).-Booth, 1997: 926 (rev.).

Calvia durgae Kapur, 1963a: 42 (Holotype ♀; BMNH).-Synonymised by Booth, 1997: 926.

Calvia trilochana Kapur, 1963a: 42 (Holotype ♂; BMNH).-Synonymised by Booth, 1997: 926.

Calvia pinaki Kapur, 1963a: 43 (Holotype ♂; BMNH).-Synonymised by Booth, 1997: 926.

Calvia pasupati Kapur, 1963a: 45 (Holotype ♂; BMNH).-Synonymised by Booth, 1997: 926.

Calvia connexa Miyatake, 1985: 17 (Holotype ♂; HU).-Synonymised by Booth, 1997: 926.

Distribution: India: SK; MA; UP. Nepal.

11. *sykesii* (Crotch)

Anisocalvia sykesii Crotch, 1874: 146 (lectotype ♀; BMNH).-Booth, 1997: 930 (lectotype design.).

Calvia sykesii: Korschefsky, 1932: 529.-Kapur, 1963a: 39.-Booth, 1997: 930 (rev.).

Distribution: India: AS; WB; ME; TN; ?Deccan. Nepal.

12. *tricolor* Korschefsky

Calvia (Anisocalvia) tricolor Korschefsky, 1940: 2 (Syntype; USNM).

Calvia tricolor: Booth, 1997: 925 (rev.).

Distribution: India: WB; ME.

13. *vulnerata* (Hope)

Coccinella vulnerata Hope, 1831: 31 (lectotype ♀; BMNH).-Booth & Pope, 1989: 368 (lectotype design.).

Calvia vulnerata: Korschefsky, 1932: 529 (cat.).-Booth, 1997: 927 (rev.).

Coccinella uniramosa Hope, 1831: 31 (lectotype ♀; BMNH).-Mulsant, 1866: 244 (as *Verania*).-Korschefsky, 1932: 529 (cat.).-Synonymised and lectotype designated by Booth & Pope, 1989: 367.

Calvia flaccida Mulsant, 1853a: 151 (lectotype; UCCC).-Korschefsky, 1932: 524 (cat.).-Gordon, 1987: (lectotype design.). Synonymised by Booth & Pope, 1989: 368.

Anisocalvia vishnu Crotch, 1874: 145 (lectotype ♂; BMNH).-Korschefsky, 1932: 529 (cat.).-Synonymised by Booth & Pope, 1989: 368.-Booth, 1997: 927 (lectotype design.).

Anisocalvia krishna Crotch, 1874: 145 (lectotype ♀; BMNH).-Korschefsky, 1932: 524 (cat.).-Synonymised by Booth & Pope, 1989: 368.-Booth, 1997: 927 (lectotype design.).

Anisocalvia buddha Crotch, 1874: 145 (lectotype ♀; BMNH).-Korschefsky, 1932: 521 (cat.).-Synonymised by Booth & Pope, 1989: 368.-Booth, 1997: 927 (lectotype design.).

Distribution: India: SK; WB; UP; Delhi. Nepal.

***Cheilomenes* Dejean, 1836**

Cheilomenes Dejean, 1836: 435. Type species: *Coccinella lunata* Fabricius, by subsequent designation of Crotch, 1874.

Menochilus Timberlake, 1943: 40. Type species: *Coccinella sexmaculata* Fabricius, by original designation.

Chilomenes auctt.

1. *sexmaculata* (Fabricius)

Coccinella sexmaculata Fabricius, 1781: 96 (Lectotype ♀; Banks collection, BMNH).

Coccinella 4-plagiata Swartz in Schönherr, 1808: 195 (Lectotype ♀; NREA).
Synonymised by Nakane & Araki, 1959: 50.-Sasaji & Akamatsu, 1979: 16.

Cheilomenes sexmaculata: Dejean, 1837: 435.-Mulsant, 1850: 444; 1866: 289.-
Crotch, 1871: 8; 1874: 180 (as *Chilomenes*).-Subramanyam, 1924b: 108, 113
(colour morphs).

Cheilomenes quadriplagiata: Dejean, 1837: 435.-Mulsant, 1850: 447; 1866:
290.- Crotch, 1871: 8; 1874: 181 (as *Chilomenes*).

Cheilomenes sexmaculata var. *flavofasciata* Mulsant, 1850: 446.-Mader, 1935:
352.

Orcus mollipes Olliff, 1895: 30 (Type material lost).-Synonymised by Pope,
1989: 646.

Cheilomenes sexmaculata var. *australis* Weise, 1908: 12 (as *Chilomenes*);
Mader, 1935: 352.

Menochilus sexmaculatus: Timberlake, 1943: 40.-Nakane & Araki, 1959: 50.-
Sasaji & Akamatsu, 1979: 2.-Iablokoff-Khnzorian, 1979: 58; 1982: 146 (rev.).-
Pope, 1989: 646 (rev.).

Menochilus quadriplagiatus: Timberlake, 1943: 41.

Chilomenes hiugaensis Takizawa, 1917: 221.-Sasaji, 1971: 285.

Menochilus sexmaculatus: Timberlake, 1943: 40.-Nakane & Araki, 1959: 50.-
Sasaji, 1971: 285 (desc.).-Sasaji & Akamatsu, 1979: 2.-Iablokoff-Khnzorian,
1979: 58.- 1982: 146.-Pope, 1989: 646 (rev.).

Cydonia triangulifera var. *inops* Mulsant, 1866: 286 (Holotype; UCCC).-Crotch,
1874: 180 (as *Chilomenes*).-Bielawski & Chujo, 1964: 228 (as *Verania*).

‡*Micraspis inops*: Chunram & Sasaji, 1980: 488.-Iablokoff-Khnzorian, 1982.

Distribution: Throughout India. Bangladesh. Pakistan. Sri Lanka. Bhutan.
Myanmar. Malaysia. Indonesia. The Philippines. Vietnam. China. Japan.
Oriental. Australia.

‡*Note*: Iablokoff-Khnzorian (1982) incorrectly used *M. inops* (Mulsant) for the
widespread Indian species. Mulsant's original type material is a *Cheilomenes* and
inops is only a colour form of *C. sexmaculata* (R.G. Booth, *in litt.*).

***Coccinella* Linnaeus, 1758**

Coccinella Linnaeus, 1758: 364.-Iablokoff-Khnzorian, 1979: 66; 1982: 341. Type
species: *Coccinella septempunctata* Linnaeus, 1758, by subsequent designation
of Latreille, 1810: 432.

Coccinella (Dobzhanskia) Iablokoff-Khnzorian, 1979: 70. Type species: *Coccinella*
undecimpunctata Linnaeus, by original designation.

1. *lama* Kapur

Coccinella lama Kapur, 1963a: 35 (Holotype ♂; BMNH).

Distribution: India. Tibet.

2. luteopicta (Mulsant)

Adalia luteopicta Mulsant, 1866: 45.-Korschefsky, 1932: 433 (cat.).-Nagarkatti & Ghani, 1972: 67 (biol., immature stages figd.).

Lioadalia luteopicta: Crotch, 1874: 104 (lectotype; UCCC).-Mader, 1930: 134.-Kapur, 1958: 326; 1963: 32.-Miyatake, 1967: 74-75.-Bielawski, 1971: 7-8 (male genitalia figd.).-Gordon, 1987: 12 (lectotype design.).

Coccinella luteopicta: Iablokoff-Khnzorian, 1982: 395 (rev.).-Canepari, 1997: 52 (dist.).

Distribution: India: SK; WB; UP. Nepal. Tibet. China.

3. magnopunctata Rybakow

Coccinella undecimpunctata magnopunctata Rybakow, 1889: 289.

Coccinella magnopunctata: Dobzhansky, 1926: 22.-Korschefsky, 1932: 469 (cat.).-Kapur, 1963a: 33 (desc., habitus fig.).-Iablokoff-Khnzorian, 1982: 363 (rev.).

Distribution: India: J&K. Mongolia. Nepal. China. Tibet.

4. marussii Kapur

Coccinella marussii Kapur, 1973: 374 (Holotype ♀; MCSNT).

Distribution: India: J&K; Karakoram range.

5. nepalensis Iablokoff-Khnzorian

Coccinella nepalensis Iablokoff-Khnzorian, 1982: 361 (Holotype; ?RAS).

Distribution: Nepal.

6. nigrovittata Kapur

Coccinella nigrovittata Kapur, 1963a: 37 (Holotype ♂; BMNH).

Micraspis trilineata Weise, 1889: 652.-Synonymised by Iablokoff-Khnzorian, 1979: 67 (as *Tytthaspis trilineata*).

Distribution: India. Tibet. China. Russia. Mongolia.

7. saucerottei Mulsant

Coccinella saucerottei Mulsant, 1850: 111; 1866: 93.-Crotch, 1874: 117.-Korschefsky, 1932: 485 (cat.).

Coccinella tibetina Kapur, 1963a: 34 (Holotype ♂; BMNH).-Bhagat *et al.*, 1988: 80 (dist.).-Synonymised by Fürsch, 1981: 83.

Distribution: India: J&K. Tibet. Palaeartic.

8. septempunctata Linnaeus

Coccinella 7-punctata Linnaeus, 1758: 365 (?LSL).

Coccinella septempunctata: Korschefsky, 1932: 486 (cat.).-Schaefer & Semyanov, 1992: 125-134 (world parasite list & bibliography).

Coccinella divaricata Olivier, 1808: 1001 (lectotype; UCCC).-Korschefsky, 1932: 457 (cat.).-Mader, 1936: 375 (syn.).-Sudha Rao, 1962: 1341 (status).-Gordon, 1987: 13 (lectotype design.).

Coccinella confusa Wiedemann, 1823: 72.-Mulsant, 1850: 112 (as a var. of *divaricata*).-Sudha Rao, 1962: 1341 (status rev., morphs figd.).

Coccinella bruckii Mulsant, 1866: 90.-Crotch, 1874: 46.

Coccinella septempunctata brucki: Korschefsky, 1932: 491.

Distribution: All over India. Pakistan. Sri Lanka. Palaeartic. North America.

9. transversalis Fabricius

Coccinella transversalis Fabricius, 1781: 97 (lectotype ♀; BMNH).-Mulsant, 1850: 126, 1022.-Timberlake, 1943: 14.-Iablokoff-Khnzorian, 1979: 68; 1982: 391.-Pope, 1989: 652 (rev.).

Coccinella repanda Thunberg, 1781: 18 (lectotype ♀; UU).-Mulsant, 1850: 1022 (syn.).-Crotch, 1871: 3; 1874: 117.-Korschefsky, 1932: 483 (cat.).-Pope, 1987: 62 (rev., lectotype design.).

Distribution: India. Nepal. Sri Lanka. Bangladesh. Indochina. Indonesia. Japan. Australia. New Zealand.

10. *transversoguttata* Faldermann

Coccinella transversoguttata Faldermann, 1835: 177.-Mulsant, 1850: 117; 1866: 97.-Korschefsky, 1932: 496 (cat.).-Ghosh *et al.*, 1977: 12 (dist.).

Distribution: India: ME. China. Japan. Siberia. North America.

11. *undecimpunctata* Linnaeus

Coccinella undecimpunctata Linnaeus, 1758: 366 (lectotype; LSL).-Mulsant, 1846: 71; 1866: 85.-Iablokoff-Khnzorian, 1979: 66; 1982: 351.-Pope, 1989: 651 (rev.).

Coccinella (Dobzhanskia) undecimpunctata: Iablokoff-Khnzorian, 1982: 71 (rev.).

Distribution: India: J & K; UP. Nepal. Pakistan. China. Mongolia. North Africa. North America. Europe. Australia.

11a. *undecimpunctata aegyptiaca* Reiche

Coccinella aegyptiaca Reiche, 1861: 212.-Mulsant, 1866: 86.

Coccinella undecimpunctata ab. *aegyptiaca*: Korschefsky, 1932: 501.

Distribution: India (R.G. Booth, *in litt.*).

Note: *Coccinella krikkeni* Iablokoff-Khnzorian (1982: 395), described from India, has been reduced to a junior synonym of *Cycloneda munda* (Say) by Vandenberg (2002) based on examination of the holotype deposited at Naturalis, Nationaal Natuurhistorisch Museum, Leiden. This species is restricted to Canada and eastern United States and this unique record from India may be the result of accidental transport through commerce, or, more likely, an accident of mislabeling (Vandenberg, 2002).

Coelophora Mulsant, 1850

Coelophora Mulsant, 1850: 390; 1866: 257.-Crotch, 1871: 7; 1874: 148.-Chapuis, 1876: 195.-Korschefsky, 1932: 290 (cat.).-Timberlake, 1943: 31.-Iablokoff-Khnzorian, 1979: 61; 1982: 265 (rev.). Type species: *Coccinella inaequalis* Fabricius, 1775, by subsequent designation of Crotch, 1874: 148.

Lemnia Mulsant, 1850: 376; 1866: 249.-Crotch, 1871: 7.-Timberlake, 1943: 30.-Iablokoff-Khnzorian, 1979: 62; 1982: 218. Type species: *Lemnia fraudulenta* Mulsant (= *Coccinella biplagiata* Swartz in Schönherr), by subsequent designation of Korschefsky, 1932: 290.-Synonymised by Crotch, 1874: 148.

Microcaria Crotch, 1871: 7.-Timberlake, 1943: 33. Type species: *Coccinella (Daulis) mulsanti* Montrouzier, by subsequent designation of Rye, 1873: 329.-Synonymised by Crotch, 1874: 148.

Coelophora (Lemnia); Chapuis, 1876: 197.-Korschefsky, 1932: 290.

Spilocaria Timberlake, 1943: 58; Type species: *Coelophora bissellata* Mulsant, 1850, by monotypy and original designation.

1. *biplagiata* (Swartz)

Coccinella biplagiata Swartz, in Schönherr, 1808: 196 (Syntype; NREA).

Lemnia biplagiata: Mulsant, 1850: 383; 1866: 252.

Coelophora biplagiata: Crotch, 1874: 149.-Pope, 1989: 348 (rev.).

Coccinella oblongata Thunberg, 1820: 368 (lectotype ♀; UU). Synonymised and lectotype designated by Pope, 1987: 60.

Coelophora nepalensis Crotch, 1874: 149 (lectotype; UCCC).-Korschefsky, 1932: 294 (cat.).-Iablokoff-Khnzorian, 1982 (syn.).-Gordon, 1987: 18 (lectotype design.).

Distribution: India. Nepal. Myanmar. Indochina. China. Korea. Japan. Taiwan. Indonesia.

2. *bissellata* Mulsant

Coelophora bissellata Mulsant, 1850: 400 (lectotype; HEC, OU).-Booth & Pope, 1989: 348 (lectotype design.).-Rhamhalinghan, 1989: 114-117 (immature stages desc.).

Spilocaria bissellata: Timberlake, 1943: 58.

Lemnia (Spilocaria) bissellata: Iablokoff-Khnzorian, 1979: 62.

Lemnia bissellata: Hoang, 1983: 74.-Iablokoff-Khnzorian, 1982: 218.

Caria gracilicornis Weise, 1902: 505.-Synonymised by Iablokoff-Khnzorian, 1979: 62.

Distribution: India: KA; TN; AS; MA; SK; UP; ME; HP; KE; WB. Nepal. Bangladesh. China. Thailand; Vietnam. Sumatra. The Philippines. New Guinea.

3. *bowringii* Crotch[‡]

Coelophora bowringii Crotch, 1874: 152 (BMNH).

Distribution: India: AS. Myanmar.

[‡]Note: Erroneously synonymised with *C. newporti* by Iablokoff-Khnzorian, 1982 (R.G. Booth, *in litt.*).

4. *circumusta* (Mulsant)[‡]

Artemis circumusta Mulsant, 1850: 389; 1866: 256 (Melly Coll./MHNG).

Coelophora circumusta: Crotch, 1874: 150.-Korschefsky, 1932: 291 (cat.).

Lemnia (Artemis) circumusta: Iablokoff-Khnzorian, 1982.

Coelophora westermanni Mulsant, 1850: 391; 1866: 257 (Westermann coll.).-Iablokoff-Khnzorian, 1982 (syn.).

Distribution: India: TN; J & K. Nepal. Thailand. South China. Taiwan.

[‡]Note: It lacks tibial spurs and may not be a true *Coelophora* (R.G. Booth, *in litt.*)

5. *circumvelata* (Mulsant)

Coccinella cincta Hope, 1831: 31 (preoccupied) (lectotype; HEC, OU).-Booth & Pope, 1989: 350 (lectotype design.).

Lemnia cincta: Crotch, 1874: 149.

Lemnia circumvelata Mulsant, 1850; 387, 388 (replacement name); 1866: 255.-Korschefsky, 1932: 291.-Iablokoff-Khnzorian, 1979: 210; 1982: 220 (redesc.).

Lemnia (Phrynocaria) circumvelata: Iablokoff-Khnzorian, 1984: 210 (desc.).

Coelophora circumvelata: Booth & Pope, 1989: 350.

Distribution: Nepal. The Philippines.

6. *decemguttata* Weise

Coelophora decemguttata Weise, 1912: 114.-Korschefsky, 1932: 291 (cat.).

Distribution: India: SK.

7. *duvaucelii* (Mulsant)

Caria duvauceli Mulsant, 1850: 233 (PM).

Cyphocaria duvaucelii: Crotch, 1874: 148.

Coelophora duvauceli: Korschefsky, 1932: 292.

Lemnia (Artemis) duvaucelii: Iablokoff-Khnzorian, 1982.

Alloneda novemmaculata Cao & Pu, 1985.-Synonymised by Yu, 1998: 282.

Distribution: India: Myanmar. China. Indonesia.

8. *inaequalis* (Fabricius)

Coccinella inaequalis Fabricius, 1775: 80 (Lectotype ♀; BMNH).

Coelophora inaequalis: Mulsant, 1850: 404.-Crotch, 1874: 153.-Korschefsky, 1932: 292.-Pope, 1989: 665 (rev.).

Coccinella circularis Thunberg, 1820: 365 (lectotype ♀; UU).-Korschefsky, 1932: 580 (as *species incerta sedis*).-Synonymised and lectotype designated by Pope, 1987: 54.

Coelophora ripponi Crotch, 1874: 156.-Iablokoff-Khnzorian, 1979: 61 (syn.).

Coelophora kochi Weise, 1913: 443 (Syntype; DEI).-Synonymised by Iablokoff-Khnzorian, 1979: 61.

Coelophora veranioides Blackburn, 1894: 239.-Houston, 1979: 50 (syn.).

Coelophora mastersi Blackburn, 1892:238.-Houston, 1979: 50 (syn.).

Lemnia desolata Mulsant, 1850: 387.-Houston, 1979: 50 (syn.).

Bothrocalvia pupillata sensu Iablokoff-Khnzorian, 1982.

Distribution: India. Sri Lanka. Southeast Asia. Australia.

9. *minki* (Mulsant)

Daulis minki Mulsant, 1866: 211.

Coelophora minki: Crotch, 1874: 152.-Korschefsky, 1932: 294 (cat.).

Distribution: Sri Lanka. Java.

10. *newporti* Mulsant!!

Coelophora newporti Mulsant, 1850: 396; 1866: 263 (BMNH).-Crotch, 1874: 152.-Korschefsky, 1932: 294 (cat.).

Lemnia (Artemis) newporti: Iablokoff-Khnzorian, 1982.

Distribution: Myanmar. The Philippines.

11. *nitidicollis* Kapur

Coelophora nitidicollis Kapur, 1963a: 29 (Holotype ♂; BMNH).

Distribution: India: SK.

12. *octosignata* Mulsant

Coelophora octosignata Mulsant, 1850: 407; 1866: 270.-Crotch, 1874: 154.-Korschefsky, 1932: 295 (cat.).

Distribution: India. Indonesia.

13. *saucia* (Mulsant)

Lemnia saucia Mulsant, 1850: 380 (lectotype; UCCC).-Gordon, 1987: 18 (lectotype design.).

Coelophora swinhoeii Crotch, 1874: 149 (lectotype; UCCC).-Synonymised by Iablokoff-Khnzorian, 1982 .-Gordon, 1987: 18 (lectotype design.).

Lemnia melanota Mulsant, 1850: 381 (lectotype ♀; HEC, OU).-Synonymised and lectotype designated by Booth & Pope, 1989: 359.

Distribution: India: MA; WB. Nepal. Thailand. China. Taiwan. The Philippines.

Note: Korschefsky (1932: 293) erroneously includes Nilgiri Hills, India, in the distribution range of *Coelophora jansoni* Crotch (1874), an Australian species.

***Eoadalia* Iablokoff-Khnzorian, 1976**

Eoadalia Iablokoff-Khnzorian, 1976: 253. Type species: *Adalia koltzei* Weise, 1887, by primary designation.

1. *juliae* (Mulsant)

Harmonia juliae Mulsant, 1866: 56 (Lectotype; UCCC).

Coccinella juliae: Crotch, 1874: 110.-Korschefsky, 1932: 508 (cat.).-Gordon, 1987: 13 (lectotype design.).

Eoadalia juliae: Iablokoff-Khnzorian, 1982.
Distribution: India.

Harmonia Mulsant, 1846

- Harmonia* Mulsant, 1846: 108; 1850: 75; 1866: 55.-Crotch, 1871: 3.-Mader, 1926: 19.-Timberlake, 1943: 17.-Watson, 1956: 48.-Iablokoff-Khnzorian, 1979: 71; 1982: 456. Type species: *Coccinella marginepunctata* Schaller, 1783 (= *Harmonia quadripunctata* Pontoppidan, 1763), by subsequent designation of Timberlake, 1943: 17.
- Leis* Mulsant, 1850: 241. Type species: *Coccinella dimidiata* Fabricius, by subsequent designation (Crotch, 1874: 119). Synonymised by Miyatake, 1965: 60.
- Ballia* Mulsant, 1853a: 159; Type species: *Ballia christophori* Mulsant, by subsequent designation of Crotch, 1874: 126. Synonymised by Iablokoff-Khnzorian, 1979: 71.
- Callineda* Crotch, 1871: 6.-Timberlake, 1943: 17 (not Crotch, 1874: 122). Type species: *Coccinella sedecimnotata* Fabricius, by subsequent designation of Rye, 1873: 329. Synonymised by Timberlake, 1943: 17.
- Stictoleis* Crotch, 1874: 118.-Korschefsky, 1932: 275. Type species: *Coccinella corypha* Guerin-Meneville, by original designation. Synonymised by Iablokoff-Khnzorian, 1979: 71.
- Ptychanatis* Crotch, 1874: 122. Type species: *Coccinella axyridis* Pallas, 1773, by original designation. Synonymised by Korschefsky, 1932: 440.
- Coccinella* (*Harmonia*): Chapuis, 1876: 179.-Korschefsky, 1932: 439.
- Rhopalonedea* Timberlake, 1943: 17 (replacement name for *Callineda* sensu Crotch, 1874, not 1871). Type species: *Callineda decussata* Crotch, by original designation. Synonymised by Iablokoff-Khnzorian, 1982: 458.

1. axyridis (Pallas)

- Coccinella axyridis* Pallas, 1773: 716.
- Leis axyridis*: Mulsant, 1850: 266.-Mader, 1934: 309.
- Ptychanatis axyridis*: Crotch, 1874: 123.-Kamiya, 1965a: 57-58.
- Coccinella* (*Harmonia*) *axyridis*: Weise, 1885b: 35.-Korschefsky, 1932: 441 (cat.).
- Harmonia axyridis*: Jacobson, 1916: 984.-Timberlake, 1943: 17.
- Harmonia* (*Ptychanatis*) *axyridis*: Sasaji, 1971: 278 (desc., habitus figd.).
- Distribution: Nepal. China. Taiwan. Japan. Palaeartic.

2. dimidiata (Fabricius)

- Coccinella dimidiata* Fabricius, 1781: 94.
- Coccinella dimidia* Hope, 1831: 30 (lectotype ♂; BMNH).-Booth & Pope, 1989: 352 (lectotype design.).
- Leis dimidiata*: Mulsant, 1850: 242.-Crotch, 1874: 119.-Korschefsky, 1932: 273 (cat.).-Mader, 1934: 307-308.
- Coccinella quindecimmaculata* Hope, 1831: 30 (lectotype; HEC, OU).-Synonymised by Sicard, 1913.-Booth & Pope, 1989: 361 (lectotype design.).
- Coccinella quindecimspilota* Hope, 1831: 30 (lectotype ♂; BMNH).-Synonymised by Sicard, 1913.-Booth & Pope, 1989: 361 (lectotype design.).
- Coccinella bicolor* Hope, 1831: 31 (not Klug, 1829) (lectotype ♂; BMNH).-Synonymised by Crotch, 1874: 32, 119.-Booth & Pope, 1989: 348 (lectotype design.).

Harmonia dimidiata: Miyatake, 1965: 62.-Sasaji, 1971: 281 (desc.); 1977: 12 (larval desc.).-Singh & Phaloura, 1990: 89 (field key to larva).-Gordon, 1985: 834 (habitus, genitalia illustr.).

Distribution: India: AS; HP; RJ; PB; SK; J&K; WB; MA. Pakistan. Nepal. Bhutan. China. Japan. Taiwan. Introduced into North America.

3. *dunlopi* (Crotch)!!

Leis dunlopi Crotch, 1874: 121 (lectotype; UCCC).-Korschefsky, 1932: 275 (cat.).-Gordon, 1987: 14 (lectotype design.).

Harmonia dunlopi: Miyatake, 1965: 60.-Iablokoff-Khnzorian, 1982 (rev.).

Distribution: India (Korschefsky, 1932). Malaysia. The Philippines.

Note: Indian records may be misidentification of colour forms of *H. dimidiata*. India label on Crotch specimen probably erroneous (R.G. Booth, *in litt.*).

4. *eucharis* (Mulsant)

Ballia eucharis Mulsant, 1853a: 167; 1866: 191 (as *Pelina*) (lectotype; UCCC).-Crotch, 1874: 127.-Weise, 1895b: 132.-Ghani, 1962: 7 (status of species&varr.).-Nagarkatti & Ghani, 1972: 72 (biol., adult & immatures desc.).-Gordon, 1987: 15 (lectotype design.).

Harmonia eucharis: Iablokoff-Khnzorian, 1979: 71; 1982 (rev.).-Singh & Phaloura, 1990: 89 (field key to larva).

Ballia christophori Mulsant, 1853a: 163; 1866: 188 (as *Pelina*) (lectotype; UCCC).-Crotch, 1874: 126.-Gordon, 1987: 14 (lectotype design.).

Ballia dianae Mulsant, 1853a: 164 (lectotype; UCCC).-Crotch, 1874: 127.-Gordon, 1987: 15 (lectotype design.).

Ballia dianae var. *saundersii* Crotch, 1874: 127 (lectotype; UCCC).-Gordon, 1987: 15 (lectotype design.).

Ballia brahmae Mulsant, 1853a: 164; 1866: 189 (as *Pelina*) (lectotype; UCCC).-Korschefsky, 1932: 278 (cat.).

Ballia gustavi Mulsant, 1853a: 165; 1866: 190 (as *Pelina*) (lectotype; UCCC).-Gordon, 1987: 15 (lectotype design.).

Ballia montivaga Mulsant, 1853a: 167; 1866: 191 (as *Pelina*) (lectotype; UCCC).-Crotch, 1874: 127.-Gordon, 1987: 15 (lectotype design.).

Ballia testacea Mulsant, 1853a: 169; 1866: 192 (as *Pelina*) (lectotype; UCCC).-Gordon, 1987: 15 (lectotype design.).

Pelina mayeti Mulsant, 1866: 189 (lectotype; UCCC).-Crotch, 1874: 127 (as *Ballia*).-Gordon, 1987: 15 (lectotype design.).

Ballia mayeti var. *perplexa* Crotch, 1874: 128.

Pelina zephyrinae Mulsant, 1866: 190 (lectotype; UCCC).-Crotch, 1874: 128.-Gordon, 1987: 15 (lectotype design.).

Neda bayaderae Mulsant, 1866: 200 (lectotype; UCCC).-Crotch, 1874: 127 (as *Ballia*)-Korschefsky, 1932: 278 (cat.).-Gordon, 1987: 15 (lectotype design.).

Harmonia korschefskyi Mader, 1934.-Synonymised by Iablokoff-Khnzorian, 1979: 72.

Distribution: India: HP; SK; UP; MA. Pakistan. Myanmar. Nepal. Himalayas. Southern China.

5. *expallida* (Weise)

Coccinella (Harmonia) quadripunctata var. *expallida* Weise, 1907: 15.-Korschefsky, 1932: 472 (cat.).

Harmonia 4-punctata var. *expalliata*: Sicard, 1913: 499.

Harmonia expallida: Kapur, 1963c: 199 (good species, redesc., male genitalia figd.).

Harmonia breiti Mader, 1931: 476.-Nagarkatti & Ghani, 1972: 78 (biol., adult & immature stages desc.). **Syn. nov.**

Distribution: India: J&K; HP.

Note: Iablokoff-Khnzorian (1982) uses *breiti* Mader because he did not think *expallida* was available. This does not appear to be correct and *expallida* can be used for the Indian species (R.G. Booth, *in litt.*).

6. *octomaculata* (Fabricius)

Coccinella octomaculata Fabricius, 1781: 97 (not Thunberg, 1781: 13) (Lectotype ♀; BMNH).

Coccinella arcuata Fabricius, 1787: 55 (ZMC).-Crotch, 1874: 110.-Korschefsky, 1932: 440 (cat.).

Harmonia arcuata var. *octomaculata*: Mulsant, 1850: 80.

Harmonia arcuata: Mulsant, 1850: 177; 1866: 59.-Crotch, 1871: 3.-Timberlake, 1943: 18.-Miyatake, 1965: 60.

Harmonia octomaculata: Mader, 1932: 215.-Bielawski, 1957: 93 (male genitalia figd.); 1961c: 6; 1962: 204; 1964a: 5 (rev.).-Sasaji, 1971: 280 (desc.); 1977: 14 (larval desc.).-Iablokoff-Khnzorian, 1979: 71; 1982: 475.-Pope, 1989: 685 (rev.).

Harmonia octomaculata var. *arcuata*: Mader, 1932: 217.

Coccinella arcuata var. *octomaculata*: Korschefsky, 1932: 441.

Ptychanatis octomaculata: Kamiya, 1965a: 59.

Distribution: Almost throughout India. Pakistan. Nepal. Bangladesh. Sri Lanka. Widespread in the Orient. Micronesia. Australia.

7. *sedecimnotata* (Fabricius)[®]

Coccinella sedecimnotata Fabricius, 1801: 370.

Daulis 16-notata: Mulsant, 1850: 296.

Callineda sedecimnotata: Crotch, 1874: 161.-Korschefsky, 1932: 282 (cat.).-Bielawski, 1959: 156 (redesc.).

Harmonia sedecimnotata: Timberlake, 1943: 18.

Distribution: India: WB; SK. Nepal. Southeast Asia.

***Heteroneda* Crotch, 1874**

Heteroneda Crotch, 1874: 162. Type species: *Coccinella reticulata* Fabricius, 1801: 362, by original designation.

1. *billardieri* Crotch

Coccinella reticulata Fabricius, 1801: 362 (preoccupied).-Mulsant, 1850: 301; 1866: 213 (as *Daulis*).

Heteroneda reticulata: Crotch, 1874: 162.-Korschefsky, 1932: 281 (cat.).

Heteroneda billardieri Crotch, 1871: 6; 1874: 162.-Iablokoff-Khnzorian, 1982.

Distribution: Myanmar. Indonesia. China.

***Hippodamia* Chevrolat, in Dejean, 1836** (Canepari, 1990; Pope, 1992)

Hippodamia Chevrolat, in Dejean, 1836: 456. Type species: *Coccinella tredecimpunctata* Linnaeus, 1758, by subsequent designation of Thomson, 1859.

Hippodamia (*Hippodamia*): Iablokoff-Khnzorian, 1982: 308.

Hemisphaerica Hope, 1840: 157.-Mulsant, 1850: 16.-Korschefsky, 1932: 439.-Synonymised by Belicek, 1976: 338. Type species: *Coccinella quinquesignata* Kirby, by monotypy.

Adonia Mulsant, 1846: 39; 1850: 36.-Synonymised by Belicek, 1976: 338. Type species: *Coccinella mutabilis* Scriba (1790), a synonym of *Adonia variegata* (Goeze, 1777), by monotypy.

Hippodamia (*Parippodamia*) Iablokoff-Khnzorian, 1979: 65; 1982: 308. Type species: *Coccinella arctica* Schneider, by original designation.

Hippodamia (*Adonia*): Iablokoff-Khnzorian, 1982: 308.

1. *arctica* (Schneider)

Coccinella arctica Schneider, 1792: 148.

Adonia arctica: Mulsant, 1850: 45; 1866: 33.

Hippodamia (*Parippodamia*) *arctica*: Iablokoff-Khnzorian, 1982: 322.-Canepari, 1997: 50 (dist.).

Distribution: Nepal. China. Palaearctic.

2. *heydeni* (Weise)

Semiadalia heydeni Weise, 1892: 109.

Hippodamia heydeni: Dobzhansky, 1927: 216.-Mader, 1928: 57.-Kapur, 1957: 269; 1963a: 30.

Hippodamia (*Asemiadalia*) *heydeni*: Iablokoff-Khnzorian, 1979: 66.

Semiadalia andrewesi Sicard, 1913: 498.-Korschefsky, 1932: 360 (cat.).-Synonymised by Iablokoff-Khnzorian, 1979: 66.

Distribution: India: J & K. Tibet.

Note: Kapur and Iablokoff-Khnzorian do not agree on the identity of *H. heydeni*.

3. *tredecimpunctata* (Linnaeus)

Coccinella tredecimpunctata Linnaeus, 1758: 366 (LSL).

Hippodamia tredecimpunctata: Mulsant, 1850: 10; 1866: 8.-Korschefsky, 1932: 331 (cat.).-Kotwal *et al.*, 1984: 1011-1012 (dist.).

Distribution: India: HP; northwestern region. Nepal. Tibet. Palaearctic.

4. *variegata* (Goeze)

Coccinella variegata Goeze, 1777: 246.

Adonia variegata: Mulsant, 1846: 39.-Korschefsky, 1932: 346 (cat.).-Kapur, 1942: 50-53 (biol., immature stages desc.); 1957: 269.

Hippodamia variegata: Belicek, 1976: 338.

Hippodamia (*Adonia*) *variegata*: Iablokoff-Khnzorian, 1982: 326.

Distribution: India: J&K; UP; HP; MH. Nepal. Pakistan. Afghanistan. Tibet.

Mongolia. China. Northern and eastern Africa. Palaearctic.

4a. *variegata doubledayi* (Mulsant)

Adonia doubledeayi Mulsant, 1850: 36; 1866: 27 (?BMNH/LSL).

Adonia variegata doubledeayi: Crotch, 1874: 97.-Korschefsky, 1932: 358 (cat.).

Distribution: North India.

Note: Probably a synonym of *A. variegata* (R.G. Booth, *in litt.*)

Illeis Mulsant, 1850[‡]

Psyllobora (*Illeis*) Mulsant, 1850: 166, 1026; 1866: 127. Type species: *Coccinella cincta* Fabricius, 1798: 77, by subsequent designation of Korschefsky, 1932: 558.

Illeis: Crotch, 1871: 4.-Korschefsky, 1932: 558.-Timberlake, 1943: 42.-Bielawski, 1961a: 353-368 (rev.).-Iablokoff-Khnzorian, 1979: 63; 1982: 282.

Leptothea Weise, 1898: 227.-Korschefsky, 1932: 558.-Bielawski, 1961a: 354. Type species: *Psyllobora galbula* Mulsant, by original designation. Synonymised by Timberlake, 1943: 42.

Illeis (*Leptothea*): Iablokoff-Khnzorian, 1979: 63; 1982: 282.

1. *bistigmosa* (Mulsant)

Psyllobora bistigmosa Mulsant, 1850: 168; 1866: 127 (HEC, OU).

Thea bistigmosa: Crotch, 1874: 135.

Illeis bistigmosa: Bielawski, 1961a: 366 (rev.).-Iablokoff-Khnzorian, 1982: 288.

Illeis bielawskii Ghorpade, 1976: 579 (Holotype ♂; ZSI).-Synonymised by Iablokoff-Khnzorian, 1979: 64.

Psyllobora simplex Mulsant, 1866: 128 (lectotype; UCCC).-Gordon, 1987: 16 (lectotype design.).

Distribution: India: KA. Sri Lanka. Nepal. Thailand. Indonesia. Malaysia. The Philippines. Celebes.

2. *cincta* (Fabricius)

Coccinella cincta Fabricius, 1798: 77 (?ZMC).

Psyllobora cincta: Mulsant, 1850: 167; 1866: 127.

Thea cincta: Crotch, 1874: 135.

Illeis cincta: Korschefsky, 1932: 558 (cat.).-Bielawski, 1957: 95 (male genitalia figd.); 1961: 356 (rev.).

Distribution: India. Sri Lanka. Indonesia.

3. *confusa* Timberlake

Illeis confusa Timberlake, 1943: 61.-Bielawski, 1961a: 361 (rev.).

Distribution: India: AS. Nepal. Thailand. China. Hong Kong.

4. *indica* Timberlake

Illeis indica Timberlake, 1943: 61 (Holotype ♂; USNM).-Bielawski, 1961a: 364 (rev.).-Iablokoff-Khnzorian, 1982: 294.

Distribution: India: UP; J&K. Pakistan. Thailand.

5. *kapuri* Anand *et al.*

Illeis kapuri Anand *et al.*, 1990: 131 (Holotype; NPC).

Distribution: North India.

6. *koebeleri* Timberlake

Illeis koebeleri Timberlake, 1943: 44 (Holotype ♂; HSPES).

Distribution: India: AS. Japan. Taiwan. China.

‡*Note: Illeis* is included under the tribe Psylloborini by many authors such as Chazeau *et al.* (1990), but Pope (1989) puts it under Coccinellini.

***Megalocaria* Crotch, 1871**

Megalocaria Crotch, 1871: 6. Type species: *Neda reichei* Mulsant, by original designation.

1. *dilatata* (Fabricius)[†]

Coccinella dilatata Fabricius, 1775: 82 (?ZMC).

Caria dilatata: Mulsant, 1850: 232; 1866: 167.-Crotch, 1874: 171.

Anisolemnia dilatata: Korschefsky, 1932: 269 (cat.).

Megalocaria dilatata: Iablokoff-Khnzorian, 1982.

Distribution: India: HP; WB; AS; KA; TN. Sri Lanka. Nepal. Malaysia. Guam.

†*Note: Anisolemnia dilatata* is the widely used name, but Iablokoff-Khnzorian (1982) restricts *Anisolemnia* to its type species and puts others in *Megalocaria*.

2. *pearsoni* Crotch[‡]

Megalocaria pearsoni Crotch, 1874: 170 (BMNH).-Iablokoff-Khnzorian, 1982.

Anisolemnia pearsoni: Korschefsky, 1932: 270.

Distribution: India.

‡*Note: A subspecies of M. reichei* (Mulsant)? (R.G. Booth, *in litt.*).

***Micraspis Chevrolat, in Dejean, 1836* (Canepari, 1990; Pope, 1992)**

Micraspis Chevrolat, in Dejean, 1836: 435.-Crotch, 1874: 173.-Fürsch, 1964: 70.-Iablokoff-Khnzorian, 1979: 72; 1982: 497 (not Mulsant, 1846: 162; 1850: 213; 1866: 152; Crotch, 1871: 5). Type species: *Coccinella striata* Fabricius, 1792, by subsequent designation of Hope, 1840: 157.

Alesia Mulsant, 1850: 343; 1866: 232.-Korschefsky, 1932: 304. Type species: *Coccinella striata* Fabricius, 1792, by subsequent designation of Korschefsky, 1932: 304. Synonymised by Korschefsky, 1932: 304.

Verania Mulsant, 1850: 358; 1866: 240; Crotch, 1874: 175; Korschefsky, 1932: 307; Timberlake, 1943: 27. Type species: *Coccinella comma* Thunberg, by subsequent designation of Crotch, 1874: 175. Synonymised by Fürsch, 1964: 70.

Cisseis Mulsant, 1850: 129 (preoccupied); 1866: 101. Type species: *Coccinella furcifera* Guerin-Meneville (1829-1844) by monotypy. Synonymised by Iablokoff-Khnzorian, 1979: 72.

Cissella Weise, 1895a: 153 (replacement name for *Cisseis* Mulsant).-Korschefsky, 1932: 376.-Timberlake, 1943: 16.

Menevillidea Brethes, 1923: 229 (unnecessary replacement name for *Cisseis* Mulsant).-Pope, 1989: 673.

Pseudoverania Mader, 1941.-Synonymised by Fürsch, 1987a: 7.

1. *allardi* (Mulsant)

Lemnia allardi Mulsant, 1866: 249.

Verania allardi: Crotch, 1874: 177 (lectotype; UCCC).-Korschefsky, 1932: 307 (cat.).-Gordon, 1987: 22 (lectotype design.).

Verania malaccensis Crotch, 1874: 177 (Holotype; UCCC).

Verania allardi var. *malaccensis*: Weise, 1912: 115.-Korschefsky, 1932: 307.

Micraspis allardi: Iablokoff-Khnzorian, 1982 (syn.).-Hoang, 1983: 59.

Distribution: India: BI; MA; UP; PB. Nepal. Pakistan. Myanmar. Indonesia.

2. *discolor* (Fabricius)[‡]

Coccinella discolor Fabricius, 1798: 77 (Type depository unknown).

Verania discolor: Mulsant, 1850: 369.-Korschefsky, 1932: 308.-Bielawski, 1957: 92 (♂ genitalia figd.).

Micraspis discolor: Kamiya, 1965a: 60.-Sasaji, 1968: 128.-Sasaji & Tsubokawa, 1983: 47 (larval desc.).-Jiang & Su, 1985: 115 (food habits & syst.).

Coccinella simplex Thunberg, 1820: 363 (lectotype ♀; UU).-Korschefsky, 1932: 582 (as *species incerta sedis*).-Synonymised and lectotype designated by Pope, 1987: 64.

Distribution: India. Bangladesh. Sri Lanka. Pakistan. Almost throughout the Orient. Palaearctic.

[‡]Note: Indian *discolor* and Chinese/Japanese *discolor* are two different species (R.G. Booth, *in litt.*).

3. *guerini* (Mulsant)

Alesia guerini Mulsant, 1850: 345; 1866: 233 (Holotype; UCCC).-Crotch, 1874: 174.-Korschefsky, 1932: 305 (cat.).

Micraspis guerini: Gordon, 1987: 21 (lectotype design.).

Distribution: India: Nilgiris.

Note: Not a true *Micraspis*, may belong to *Oenopia* Mulsant (R.G. Booth, *in litt.*)

4. *univittata* (Hope)

Coccinella univittata Hope, 1831: 31 (lectotype ♂; BMNH).-Booth & Pope, 1989: 368 (lectotype design.).

Alesia univittata: Mulsant, 1850: 357; 1866: 239.
Tytthaspis univittata: Korschefsky, 1932: 384 (cat.).
Micraspis univittata: Iablokoff-Khnzorian, 1982: 511 (rev.).
 Distribution: India: TN; KA; AP. Nepal.

5. *vincta* (Gorham)

Verania vincta Gorham, 1895: 686 (BMNH).
Verania inops f. *vincta*: Bielawski & Chujo, 1961: 334.
Micraspis vincta: Sasaji, 1968b: 132.-Chunram & Sasaji, 1980: 488.
 Distribution: India: AS; BI; MA; TN; AP; KA. Nepal. Bangladesh. Myanmar. Thailand.

6. *yasumatsui* Sasaji

Micraspis yasumatsui Sasaji, 1968b: 131 (Holotype ♂; KU).
 Distribution: India: WB; OR. Bangladesh.

Oenopia Mulsant, 1850[†]

Oenopia Mulsant, 1850: 374, 420; 1866: 279.-Crotch, 1874: 158.-Korschefsky, 1932: 287 (cat.).-Timberlake, 1943: 56.-Iablokoff-Khnzorian, 1979: 69; 1982: 398.-Vandenberg, 1996: 385. Type species: *Oenopia cinctella* Mulsant, by subsequent designation of Sicard, 1907c: 134. (Korschefsky [1932] wrongly designated *Oenopia (Aza) kirbyi* Mulsant, 1850 as type).

Synharmonia Ganglbauer, 1899: 994 [as *Coccinella (Synharmonia)*]. Type species: *Coccinella conglobata* Linnaeus, 1758, by subsequent designation of Chapin, 1965b. Synonymised by Iablokoff-Khnzorian, 1979: 69.

Protocaria Timberlake, 1943: 28. Type species: *Protocaria scalaris* Timberlake, 1943, by original designation. Synonymised by Iablokoff-Khnzorian, 1979: 69.

Gyrocaria Timberlake, 1943: 39.-Bielawski, 1964b: 83. Type species: *Coelophora guttata* Blackburn, by original designation. Synonymised by Iablokoff-Khnzorian, 1979: 69.

Pseudoharmonia Savojskaja, 1963: 37.-Kuznetsov, 1997: 186. Type species *Pseudoharmonia montana* Savojskaja, 1963, by monotypy. Synonymised by Iablokoff-Khnzorian, 1979: 69.

Paramulsantina Hoang, 1982: 10. Type species *Paramulsantina gratiosa* Hoang, 1982, by original designation. Synonymised by Jadwiszczak & Pokojowczyk, 1990: 54-55.

1. *adelgivora* Poorani

Oenopia adelgivora Poorani, 2002b: 107 (Holotype ♂; PDBC).
 Distribution: India: SK.

2. *billieti* (Mulsant)

Harmonia billieti Mulsant, 1853a: 144; 1853b: 16; 1866: 71 (lectotype; UCCC).-Gordon, 1987: 13 (lectotype design.).

Synharmonia billieti: Mader, 1931: 191.-Kapur, 1963a; 33.

Coccinella billieti: Korschefsky, 1932: 447 (cat.).

Coccinella (Synharmonia) billieti: Kapur, 1958; 327.

Coccinella (Synharmonia) billieti var. *pruthii* Kapur, 1958: 327.

Coccinella (Synharmonia) billieti var. *testacea* Kapur, 1958: 327.

Oenopia billieti: Iablokoff-Khnzorian, 1982: 410 (rev.).

Protocaria billieti: Miyatake, 1985: 15.

Coccinella [sic] *transgressa* Mulsant, 1853: 145 (Lectotype, UCCC).-Korschefsky, 1932: 509 (cat.).

- Adalia indica* Crotch, 1874: 101 (Holotype, UCCC).-Korschefsky, 1932: 435 (cat.).-Iablokoff-Khnzorian, 1982 (rev., as *Eoadalia*).
Propylea kehamae Crotch, 1874: 158 (Holotype; UCCC).-Korschefsky, 1932: 447.
Oenopia pomiensis Jing, 1987.-Synonymised by Yu *et al.*, 2000: 191.
Oenopia gonggarensis Jing, 1992.-Synonymised by Yu *et al.*, 2000: 191.
Oenopia picithoroxa Jing, 1992.-Synonymised by Yu *et al.*, 2000: 191.
 Distribution: India: AS; J&K; PB; UP; KA; SK; ME; HP. Nepal. Tibet.
- 2. *conglobata* (Linnaeus)**
Coccinella conglobata Linnaeus, 1758: 366 (?LSL).
Synharmonia conglobata: Ganglbauer, 1899: 994.-Mader, 1931: 200.
Propylea conglobata: Crotch, 1874: 158.
Harmonia conglobata: Dauguet, 1949: 34.
Oenopia conglobata: Iablokoff-Khnzorian, 1982 (rev.).
 Distribution: India: J&K; HP. Pakistan. China. Mongolia. Europe. North Africa. North America.
- 3. *diabolica* Canepari**
Oenopia diabolica Canepari, 1997: 54 (Holotype ♀; MHNG).
 Distribution: Nepal.
- 4. *kirbyi* Mulsant**
Oenopia kirbyi Mulsant, 1850: 425; 1866: 282 (lectotype; HEC, OU).-Crotch, 1874: 159.-Korschefsky, 1932: 288 (cat.).-Booth & Pope, 1989: 357 (lectotype design.).
Gyrocaria kirbyi: Miyatake, 1965: 66 (male genitalia figs.).
 Distribution: India: ME; WB; MA; J & K; UP; SK. Himalayas. China. Thailand. Myanmar.
- 5. *mimica* Weise**
Oenopia mimica Weise, 1902: 505 (Type material: HNM / MNHU).-Korschefsky, 1932: 288 (cat.).-Iablokoff-Khnzorian, 1979: 70 (as synonym of *O. sauzeti*).
Oenopia sauzeti sensu Kapur, 1958: 331.
Gyrocaria mimica: Miyatake, 1985: 16 (habitus, male genitalia figs.).
 Distribution: India: SK; HP; UP. Nepal.
- 6. *quadripunctata* Kapur**
Oenopia quadripunctata Kapur, 1963a: 27 (Holotype ♂; ZSI).
Oenopia quadripunctata: Jing, 1988: 285 (redesc.).
 Distribution: India: ME; WB; SK; AS; MA. Bhutan. Myanmar.
- 7. *sauzeti* Mulsant**
Oenopia sauzeti Mulsant, 1866: 281; 1870: 55 (lectotype; UCCC).-Crotch, 1874: 158.-Korschefsky, 1932: 288 (cat.).-Kapur, 1958: 331; 1963b: 27.-Bielawski, 1972: 302; 1979: 117.-Gordon, 1987: 19 (lectotype designation).
Gyrocaria sauzeti: Miyatake, 1967: 76; 1985: 15 (habitus, male genitalia illustr.).
 Distribution: India: MA; SK; UP; WB; HP; AS; J&K. Himalayas. Bhutan. Pakistan. Nepal. Myanmar. Thailand. China.
- 8. *sexareata* (Mulsant)**
Coelophora sexareata Mulsant, 1853a: 181 (lectotype; UCCC); 1853b: 53; 1866: 268 (as *C. sexaerata*).-Crotch, 1874: 157.-Korschefsky, 1932: 296 (cat.).-Kapur, 1963a: 29.-Gordon, 1987: 19 (lectotype design.).
Coelophora sexareata var. *lacerata* Sicard, 1913: 500.-Korschefsky, 1932: 296.
Gyrocaria sexareata: Miyatake, 1967: 76.

Oenopia sexaerata: Iablokoff-Khnzorian, 1982 (Misspelling).

Oenopia sexareata: Hoang, 1983: 62, 92.

Distribution: India: MA; WB; TN; BI; AS; UP; SK. Bhutan. Nepal. Myanmar. China. Vietnam. Indonesia (Sumatra).

9. *signatella* (Mulsant)

Harmonia signatella Mulsant, 1866: 58.

Coccinella signatella: Crotch, 1874: 110 (lectotype; UCCC).-Gordon, 1987: 13 (lectotype designation).

Synharmonia signatella: Mader, 1931: 199.-Kapur, 1963a: 33.

Coccinella (*Synharmonia*) *signatella*: Korschefsky, 1932: 494 (cat.).

Oenopia signatella: Iablokoff-Khnzorian, 1982: 411 (rev.).

Distribution: India: WB; SK; ME; WB; MA. Himalayas. Bhutan. Myanmar. Nepal.

10. *smetanai* Canepari

Oenopia smetanai Canepari, 1997: 53 (Holotype ♂; MHNG).

Distribution: India: UP (Deoban). Nepal.

11. *walteri* (Sicard)

Coelophora walteri Sicard, 1913: 503 (PM).-Korschefsky, 1932: 298.

Oenopia walteri: Iablokoff-Khnzorian, 1979: 70.

Distribution: India: TN.

†Note: *Oenopia manipurensis* Devi *et al.* (Shantibala & Singh, 1991) appears to be a *nomen nudum*. *Adalia m-fuscum* Mulsant, listed as distributed in Sri Lanka by Korschefsky (1932) and transferred to *Oenopia* by Iablokoff-Khnzorian (1982) is not a valid species of *Oenopia*. The type specimen was found to be a teneral specimen of *Adalia decempunctata* (Linnaeus), a common and widespread European species. This could easily have been imported accidentally into Sri Lanka, or mislabelled with the wrong locality data (R. G. Booth, *in litt.*).

Palaeoneda Crotch, 1874

Palaeoneda Crotch, 1874: 178. Type species: *Coccinella miniata* Hope, 1831: 30 (not Germar, 1824), by original designation.

1. *auriculata* (Mulsant)

Neda auriculata Mulsant, 1866: 195 (lectotype; UCCC).-Gordon, 1987: 22 (lectotype design.).

Palaeoneda auriculata: Crotch, 1871: 5; 1874: 32.-Booth & Pope, 1989: 359.

Palaeoneda miniata ab. *auriculata*: Crotch, 1874: 178.-Korschefsky, 1932: 279 (cat.).

Coccinella miniata Hope, 1831: 30 (preoccupied) (lectotype ♀; BMNH).-Crotch, 1871: 5; 1874: 32.-Booth & Pope, 1989: 359 (lectotype design.).

Neda miniata: Mulsant, 1850: 276; 1866: 196.

Palaeoneda miniata: Crotch, 1874: 178.-Korschefsky, 1932: 279 (cat.).

Distribution: India: HP. Nepal.

Phrynocaria Timberlake, 1943

Phrynocaria Timberlake, 1943: 34.-Iablokoff-Khnzorian, 1979: 62.-Pope, 1989: 669 (stat. rev.). Type species: *Coccinella congener* Billberg, in Schönherr, 1808, by original designation.

Lemnia (*Phrynocaria*): Iablokoff-Khnzorian, 1984: 205, 210-214.

Lemnia (Microlemnia) Iablokoff-Khnzorian, 1982: 261. Type species: *Coelophora vidua* Mulsant, by original designation. Synonymised by Iablokoff-Khnzorian, 1984: 205.

1. congener (Billberg)

Coccinella congener Billberg, in Schönherr, 1808: 179.

Coelophora congener: Mulsant, 1850: 392.

Lemnia congener: Kamiya, 1964: 148.

Phrynocaria congener: Timberlake, 1943: 34.

Distribution: India. China. Japan.

2. eberti (Bielawski)

Coelophora eberti Bielawski, 1972: 304 (Holotype ♂; ZSBSM).

Phrynocaria eberti: Miyatake, 1985: 21.

Distribution: Nepal.

3. funebris (Crotch)

Coelophora funebris Crotch, 1874: 154.-Korschefsky, 1932: 292 (cat.).

Distribution: India: KA.

4. perrotteti (Mulsant), comb. nov.

Coelophora perrotteti Mulsant, 1850: 409; 1866: 271(lectotype; UCCC).-Crotch, 1874: 54.-Korschefsky, 1932: 296 (cat.).-Gordon, 1987: 19 (lectotype design.).

Anegleis (Pseudanegleis) perrotteti: Iablokoff-Khnzorian, 1982: 296.

Distribution: India: PY; TN; KA; MP; OR; PB.

5. unicolor (Fabricius), comb. nov.

Coccinella unicolor Fabricius, 1792: 267.

Coelophora unicolor: Mulsant, 1850: 413; 1866: 275.-Crotch, 1874: 54.-Korschefsky, 1932: 297 (cat.).

Lemnia (Microlemnia) unicolor: Iablokoff-Khnzorian, 1982: 262.

Distribution: India: AN; OR; WB; MP.

6. vidua Mulsant[‡]

Coelophora vidua Mulsant, 1850: 393; 1866: 260 (?BMNH).-Crotch, 1874: 151.-Korschefsky, 1932: 298 (cat.).

Lemnia (Microlemnia) vidua: Iablokoff-Khnzorian, 1982: 264.

Phrynocaria vidua: Iablokoff-Khnzorian, 1984: 205.

Distribution: India. Indonesia. The Philippines. New Guinea. Taiwan.

[‡]Note: Seems to be a synonym of *Coelophora inaequalis* (R.G. Booth, *in litt.*)

***Propylea* Mulsant, 1846**

Propylea Mulsant, 1846: 147, 152. Type species: *Coccinella quatuordecimpunctata* Linnaeus, 1758, by monotypy.

Oenopia (Pania) Mulsant, 1850: 420. Type species: *Oenopia (Pania) luteopustulata* Mulsant, by subsequent designation of Iablokoff-Khnzorian, 1979. Synonymised by Vandenberg & Gordon, 1991: 32.

Pania: Iablokoff-Khnzorian, 1979: 58; 1982: 121.

1. dissecta (Mulsant)

Lemnia (Vola) dissecta Mulsant, 1850: 377 (Reiche/Westermann coll.).

Lemnia dissecta: Mulsant, 1866: 249.

Propylea japonica ab. *dissecta*: Korschefsky, 1932: 531 (cat.).

Propylea dissecta: Crotch, 1874: 158.-Miyatake, 1985: 15.-Canepari, 1997: 48 (dist.).

Lemnia mystacea Mulsant, 1853: 50-51.

Harmonia feliciae Mulsant, 1866: 57.

Propylaea fallax Yablokov-Khnzoryan, 1977: 61 (Holotype ♂; ?RAS).-Iablokoff-Khnzorian, 1982: 171.-Canepari, 1986: 28 (dist.).

Distribution: India: AS; TN; KA; UP. Bangladesh. Nepal.

2. *japonica* (Thunberg)

Coccinella japonica Thunberg, 1781: 12 (lectotype ♂; UU).-Pope, 1987: 58 (lectotype design.).

Coccinella tetraspilota Hope, 1843: 64 (not Hope, 1831) (Lectotype; BMNH).-Synonymised and lectotype designated by Booth & Pope, 1989: 366.

Propylea japonica: Lewis, 1896: 30.

Propylaea japonica: Mader, 1933: 262-263.-Kamiya, 1965a: 44-46.

Propylea quatuordecimpunctata japonica: Timberlake, 1943: 28.

Distribution: India. Japan. Korea. China. Taiwan.

3. *luteopustulata* (Mulsant)

Oenopia (Pania) luteopustulata Mulsant, 1850: 421 (Holotype; HEC, OU).

Pania luteopustulata: Iablokoff-Khnzorian, 1979: 58.-Sasaji, 1982: 4.-Iablokoff-Khnzorian, 1982: 132.

Coelophora luteopustulata: Crotch, 1874: 156.-Sicard, 1913: 500.

Oenopia luteopustulata: Korschefsky, 1932: 288 (cat.).

Propylea luteopustulata: Vandenberg & Gordon, 1991: 30.

Oenopia praeuae Weise, 1891: 286 (Berlin).-Korschefsky, 1932: 288 (cat.). Synonymised by Iablokoff-Khnzorian, 1979: 58; 1982: 132.

Coelophora birmanica Gorham, 1895: 685 (BMNH).-Iablokoff-Khnzorian, 1979: 58 (syn.).

Coelophora korschefskyi Mader, 1930: 164.-Iablokoff-Khnzorian, 1979: 58 (syn.).

Oenopia hauseri Mader, 1926 (1935): 342.-Iablokoff-Khnzorian, 1979: 58; 1982: 132 (syn.).

Coelophora victoriae Mulsant, 1866: 269.-Crotch, 1874: 157.-Mader, 1926(1935): 325. Synonymised by Vandenberg & Gordon, 1991: 32.

Pania victoriae: Iablokoff-Khnzorian, 1982: 134.

Coelophora insularis Sicard, 1912: 134 (Syntype; DEI).-Weise, 1923: 184.-Iablokoff-Khnzorian, 1982: 134. Synonymised by Vandenberg & Gordon, 1991: 32.

Pania insularis: Iablokoff-Khnzorian, 1979: 58.-Sasaji, 1982: 2.

Coelophora weisei Miwa, 1931: 86.-Iablokoff-Khnzorian, 1982: 134 (as synonym of *P. victoriae*). Synonymised by Vandenberg & Gordon, 1991: 32.

Coelophora insularis ab. *weisei*: Miwa & Yoshida, 1935: 45.

Coelophora octopunctata Iablokoff-Khnzorian, 1982: 221 (not Weise, 1910b: 229).

Anatis thibetina Mulsant, 1853a: 148.-Crotch, 1874: 157 (as synonym of *C. luteopustulata*).

Oenopia luteopustulata a. *thibetina*: Mader, 1926(1935): 340.

Oenopia luteopustulata var. *thibetina*: Kapur, 1958: 329.

Oenopia luteopustulata a. *praeui*: Mader, 1926(1935): 340.

Oenopia luteopustulata a. *praeuae*: Kapur, 1958: 329.

Coelophora pedicata Mulsant, 1853a: 180; 1853b: 52; 1866: 268 (lectotype; UCCC).-Crotch, 1874: 157 (as synonym of *C. luteopustulata*).-Gordon, 1987: 19 (lectotype design.).

Coelophora luteopustulata var. *pedicata*: Sicard, 1913: 500.
Oenopia luteopustulata ab. *pedicata*: Korschefsky, 1932: 288.
Oenopia luteopustulata var. *subpedicata* Kapur, 1958: 333.
Coelophora mariae Mulsant, 1853b: 56.-Crotch, 1874: 156 (as synonym of *C. luteopustulata*).
Caria thoracica Weise, 1891: 283 (Berlin). Synonymised by Vandenberg & Gordon, 1991: 32.
Calvia thoracica: Weise, 1895a: 152.-Mader, 1926(1933): 245.-Bielawski & Chujo, 1961: 334.-Iablokoff-Khnzorian, 1982: 134 (as synonym of *P. victoriae*). Synonymised by Vandenberg & Gordon, 1991: 32.
Pania thoracica: Iablokoff-Khnzorian, 1979: 58.
 Distribution: India: AS; WB; SK; ME; UP; HP; ?AN. Nepal. Bhutan. Himalayas. ?Sri Lanka. Myanmar. Vietnam. Thailand. Tibet. China.

4. *quatuordecimpunctata* (Linnaeus)

Coccinella 14-punctata Linnaeus, 1758: 366.
Propylea quatuordecimpunctata: Mulsant, 1846: 152.
Propylea quatuordecimpunctata: Mader, 1933: 253-262.-Sasaji, 1971: 264 (habitus figd., desc.).-Sasaji *et al.*, 1975: 13-34.
 Distribution: India. Pakistan. Bangladesh. Japan. China. Europe. North America.

Synona Pope, 1989

Synia Mulsant, 1850: 375 (preoccupied); 1866: 248.-Crotch, 1874: 177.-Korschefsky, 1932: 276 (cat.).-Timberlake, 1943: 56.-Bielawski, 1964c: 23.-Iablokoff-Khnzorian, 1979: 74. Type species *Synia melanaria* Mulsant, by subsequent designation of Crotch, 1874: 177.

Lemnia (*Synia*) Mulsant: Iablokoff-Khnzorian, 1982: 232.

Synona Pope, 1989: 660 (replacement name).

1. *martini* (Iablokoff-Khnzorian)

Lemnia (*Synia*) *martini* Iablokoff-Khnzorian, 1984: 205 (Holotype ♂; ZMC).
 Distribution: India: TN.

2. *melanaria* (Mulsant)

Synia melanaria Mulsant, 1850: 375; 1866: 248 (Syntype; DEI/PM).-Crotch, 1874: 178.-Korschefsky, 1932: 276 (cat.).-Bielawski, 1964c: 23 (♂ genitalia figd.).-Afroze & Shujaiddin, 1998a: 329-336 (bioecol.).
Synona melanaria: Pope, 1989: 660.

3. *melanopepla* (Mulsant)

Synia melanopepla Mulsant, 1850: 376; 1866: 248.
Synia melanaria ab. *melanopepla*: Crotch, 1874: 178.-Korschefsky, 1932: 276 (cat.).

4. *rougeti* (Mulsant)

Leis rougeti Mulsant, 1866: 175 (lectotype; UCCC).-Crotch, 1874: 177.-Gordon, 1987: 22 (lectotype design.).
Synia melanaria ab. *rougeti* Mulsant, 1866: 175.-Crotch, 1874: 178.-Weise, 1923: 184.
 Distribution: India: KA; KE; TN; WB; UP. Sri Lanka. Bhutan. China. Taiwan. Vietnam. The Philippines.

Note: My studies indicate that *Synona melanopepla* (Mulsant), *S. rougeti* (Mulsant), and *S. martini* (Iablokoff-Khnzorian) are distinct species and not synonyms of *S. melanaria*.

***Synonycha* Chevrolat, in Dejean, 1836** (Canepari, 1990; Pope, 1992)

Synonycha Chevrolat in Dejean, 1836: 460. Type species: *Coccinella grandis* Thunberg, 1781, by monotypy.

1. *grandis* (Thunberg)

Coccinella grandis Thunberg, 1781: 12 (lectotype ♂; UU).-Pope, 1987: 57 (lectotype design.).

Synonycha grandis: Mulsant, 1850: 230; 1866: 165.-Crotch, 1874: 171.-Korschefsky, 1932: 268 (cat.).-Mader, 1934: 293.

Distribution: India: AN; KA; TN; WB; SK; MA. Sri Lanka. Nepal. Japan. Indonesia. China. Widespread in the Orient.

Tribe Psylloborini***Halyzia* Mulsant, 1846**

Halyzia Mulsant, 1846: 141, 148. Type species: *Coccinella sedecimguttata* Linnaeus, 1758: 367, by subsequent designation of Crotch, 1874.

1. *feae* Gorham

Halyzia feae Gorham, 1895: 684.-Korschefsky, 1932: 571 (cat.).

Verania feae: Sicard, 1913: 500.

Distribution: Myanmar. Bengal.

2. *nepalensis* Canepari

Halyzia nepalensis Canepari, 2003: 261 (Holotype female; Naturkundemuseum Erfurt).

Distribution: Nepal Himalayas.

3. *sanscrita* Mulsant

Halyzia sanscrita Mulsant, 1853a: 152; 1853b: 24 (lectotype; UCCC).-Korschefsky, 1932: 571 (cat.).-Crotch, 1874: 132.-Gordon, 1987: 15 (lectotype design.).

Distribution: India: SK; UP. Nepal. China. Tibet.

4. *straminea* (Hope)

Coccinella straminea Hope, in Gray, 1831: 31 (lectotype ♀; BMNH).-Booth & Pope, 1989: 365 (lectotype design.).

Halyzia straminea: Mulsant, 1850: 165; 1866: 125.-Korschefsky, 1932: 573 (cat.).

Distribution: India: SK; WB; ME; HP; AN. Nepal. Bhutan. China.

5. *tschitscherini* Semenow

Halyzia tschitscherini Semenow, 1895: 142.-Korschefsky, 1932: 573 (cat.).-Bielawski, 1960: 455 (habitus, genitalia figd.).-Ghorpade, 1979: 113-114 (dist.).

Distribution: India: HP. Afghanistan. Tibet (Pamir). Turkestan.

***Macroilleis* Miyatake, 1965**

Macroilleis Miyatake, 1965: 71. Type species: *Halyzia hauseri* Mader, 1930, by original designation.

1. *hauseri* (Mader)[®]

Halyzia hauseri Mader, 1930: 162.

Macroilleis hauseri: Miyatake, 1965: 71 (habitus, ♂ & ♀ genitalia figd.).

Distribution: India: WB. Bhutan. China. Taiwan.

***Protothea* Weise, 1898**

Protothea Weise, 1898: 226. Type species: *Protothea firma* Weise, 1898, by ?subsequent designation of Korschefsky, 1932.

1. *quadripunctata* (Mulsant)

Thea quadripunctata Mulsant, 1853a: 155; 1853b: 27; 1866: 148.-Crotch, 1874: 134.-Korschefsky, 1932: 560 (cat.).

Protothea quadripunctata: Mader, 1937: 287.

Protothea indica Weise, 1910a: 44.-Korschefsky, 1932: 570 (cat.).-Mader, 1937: 287.

Distribution: India: SK.

***Psyllobora* Chevrolat, in Dejean, 1836 (Canepari, 1990; Pope, 1992)**

Psyllobora Chevrolat, in Dejean, 1836: 458. Type species: *Coccinella lineola* Fabricius, 1792, by subsequent designation of Timberlake, 1943.

Thea Mulsant, 1846: 159. Type species: *Coccinella vigintiduopunctata* Linnaeus, 1758, by subsequent designation of Crotch, 1874.

1. *bisoctonotata* (Mulsant)

Vibidia bisoctonotata Mulsant, 1850: 204; 1866: 147.

Thea bisoctonotata: Crotch, 1874: 134 (lectotype; UCCC).-Korschefsky, 1932: 559 (cat.).-Kapur, 1944: 167 (biol., adult & early stages desc., figs.).-Gordon, 1987: 16 (lectotype design.).

Psyllobora bisoctonotata: Iablokoff-Khnzorian, 1982.

Distribution: India: PB; UP; KA. Pakistan.

***Vibidia* Mulsant, 1846**

Vibidia Mulsant, 1846: 147. Type species: *Coccinella duodecimguttata* Poda, 1761, by monotypy.

1. *korschefskii* (Mader)

Halyzia korschefskii Mader, 1930: 161 (Type in der Sammlung des Herrn. F. Hanser in Erlangen)

Vibidia korschefskii: Kuznetsov, 1997: 214 (dist.).

Distribution: India. China.

Tribe Singhikaliini (Miyatake, 1972)***Singhikalia* Kapur, 1963a**

Singhikalia Kapur, 1963a: 16. Type species: *Singhikalia ornata* Kapur, 1963a: 17, by original designation.

Subepilachna Bielawski, 1963a: 445. Type species: *Subepilachna latemarginata* Bielawski, by original designation. Synonymised by Jadwyszczak, 1990a: 56.

1. *ornata* Kapur

Singhikalia ornata Kapur, 1963a: 17 (Holotype ♂; BMNH).

Singhikalia subfasciata Miyatake, 1972: 92 (Holotype ♂; USNM).-Synonymised by Jadwyszczak, 1990a: 56.

Distribution: India: SK. Vietnam. Taiwan.

Subfamily EPILACHNINAE**Tribe Epilachnini****Genus *Afidenta* Dieke**

Afidenta Dieke, 1947: 109. Type species: *Afidenta mimetica* Dieke, 1947 (= *Epilachna misera* Weise, 1901a), by original designation.

1. *misera* (Weise)

Epilachna misera Weise, 1901a: 420 (ZMUB, DEIC).

Afidenta mimetica Dieke, 1947: 110 (Holotype, USNM).-Synonymised by Bielawski, 1961.

Afidenta mimetica simplex Dieke, 1947: 111 (Holotype ♂?, MCZC).

Distribution: India. Sri Lanka. Nepal. China. Taiwan. Vietnam. Philippines. Indonesia.

Genus *Afidentula* Kapur

Afidentula Kapur, 1958: 324. Type species: *Epilachna manderstjernae* Mulsant, 1853, by original designation.

1. *bisquadripunctata* (Gyllenhal)

Coccinella bisquadripunctata Gyllenhal in Schoenherr, 1808: 186 (UZIU?).

Epilachna bis-4-punctata ab. *semisqualens* Sicard, 1913a: 496 (?BMNH).

Distribution: India: TN. Vietnam. China. Nepal. Sri Lanka.

2. *erberi* Fürsch

Afidentula erberi Fürsch, 1984: 336 (Holotype ♂, HFC).

3. *herbigrada* (Mulsant)

Epilachna herbigrada Mulsant, 1850b: 805 (Lectotype, CUMZ).

Distribution: India. Sri Lanka.

4. *himalayana* Kapur

Afidentula himalayana Kapur, 1963a: 12 (Holotype female, BMNH).

Afidentula himalayana var. *championi* Kapur, 1963a: 16 (BMNH, NZSI).

Afidentula himalaiana: Canepari, 1986: 30.

Distribution: India: SK; UP; WB.

5. *manderstjernae* (Mulsant)

Epilachna manderstjernae Mulsant, 1853: 256 (Holotype, ZMUM).

Epilachna mandjersternae: Crotch, 1874.

Epilachna manderstjernai: Mader, 1927b: 760.

Distribution: India. Nepal. Vietnam. China.

6. *minima* (Gorham)

Epilachna minima Gorham, 1894: 206 (BMNH).

Distribution: India: Karnataka.

7. *stephensi* (Mulsant)

Epilachna (Cleta) stephensi Mulsant, 1850b: 879 (Lectotype, OXUM).

Epilachna stephensis: Iablokoff-Khnzorian, 1972: 169.

Distribution: India. Nepal.

Genus *Afissula* Kapur

Afissula Kapur, 1958: 319. Type species: *Afissula rana* Kapur, 1958, by original designation.

Afilachna Bielawski, 1967b: 793. Type species: *Afilachna kambaitana* Bielawski, 1967b, by original designation. Synonymised by Pang & Mao, 1979.

1. *antennata* Bielawski

Afissula antennata Bielawski, 1967c: 151 (Holotype ♂, NHRS).

Distribution: Burma.

2. **burmana (Bielawski)**
Henosepilachna burmana Bielawski, 1967a: 789 (Holotype ♂, NHRS).
Afissula burmana: Jadwiszczak & Wegrzynowicz, 2003: 25.
 Distribution: Burma.
3. **hyla Bielawski**
Afissula hyla Bielawski, 1967c: 156 (Holotype female, NHRS).
 Distribution: Burma.
4. **kambaitana (Bielawski)**
Afilachna kambaitana Bielawski, 1967b: 793 (Holotype ♂, NHRS).
Afissula kambaitana: Jadwiszczak & Wegrzynowicz, 2003: 26.
 Distribution: Nepal. China. Myanmar.
5. **merkli Jadwiszczak**
Afissula merkli Jadwiszczak, 1989: 741 (Holotype ♂, HNHM).
 Distribution: India: WB.
6. **mysticoides (Sicard)**
Solanophila mysticoides Sicard, 1913b: 507.
Afissula mysticoides: Jadwiszczak & Wegrzynowicz, 2003: 26.
 Distribution: India. Nepal. China.
7. **parvula (Crotch)**
Epilachna parvula Crotch, 1874: 80 (Holotype, CUMZ).
Afissula parvula: Jadwiszczak & Wegrzynowicz, 2003: 27.
 Distribution: India. Nepal.
8. **puncta Bielawski**
Afissula puncta Bielawski, 1967c: 154 (Holotype ♂, NHRS).
Afissula puncta: Jadwiszczak & Wegrzynowicz, 2003: 27.
 Distribution: Burma.
9. **rana Kapur**
Afissula rana Kapur, 1958: 320 (Holotype ♂, BMNH).
Afissula rana: Jadwiszczak & Wegrzynowicz, 2003: 27.
 Distribution: Nepal. China.
10. **sadonensis (Bielawski)**
Henosepilachna sadonensis Bielawski, 1967a: 787 (Holotype ♂, NHRS).
Afissula sadonensis: Jadwiszczak & Wegrzynowicz, 2003: 27.
 Distribution: Myanmar.
11. **sanscrita (Crotch)**
Epilachna sanscrita Crotch, 1874: 82 (Lectotype, CUMZ).
Solanophila sanscrita: Mader, 1927: 45.
Epilachna (Solanophila) sanscrita: Korschefsky, 1931: 24.
Afissula sanscrita: Kapur, 1963a: 12.-Jadwiszczak & Wegrzynowicz, 2003: 27.
 Distribution: India: SK. China.

Genus *Epilachna* Chevrolat in Dejean

- Epilachna* Chevrolat in Dejean, 1837: 460. Type species: *Coccinella borealis* Fabricius, 1775, by subsequent designation by Hope, 1840.
- Epilachna (Cleta)* Mulsant, 1850b: 866. Type species: *Epilachna eckloni* Mulsant, 1850b, designated by Jadwiszczak & Wegrzynowicz, 2003: 31.
- Epilachna (Hypsa)* Mulsant, 1850b: 860. Type species; *Epilachna nigrolimbata* J. Thomson, 1875. Subsequent designation by Korschefsky 1931.

Solanophila Weise, 1898a: 191. Type species: *Epilachna gibbosa* Crotch, 1874, subsequent designation by Li & Cook, 1961. Synonymised by Korschefsky, 1931.

Afissa Dieke, 1947: 113. Type species: *Coccinella flavicollis* Thunberg, 1781, by original designation. Synonymised by Li & Cook, 1961.

Epilachna (Aparodentata) Wang & Cao, 1993: 126. Type species: *Epilachna yongshanensis* Cao & Xiao, 1984, by original designation.

Epilachna (Uniparodentata) Wang & Cao, 1993: 126. Type species: *Epilachna paramagna* Pang & Mao, 1979, by original designation.

1. andrewesi Gorham

Epilachna andrewesi Gorham, 1903: 345 (?BMNH).

Distribution: India: Nilgiri Hills.

2. atypica (Dieke)

Afissa atypica Dieke, 1947: 133 (Holotype ♂, USNM).

Epilachna atypica: Jadwiszczak & Wegrzynowicz, 2003: 37.

Distribution: India: WB. ?Indonesia.

3. bengalica (Dieke)

Afissa bengalica Dieke, 1947: 130 (Holotype ♂, PAS).

Afissa bengalica: Kapur, 1963a: 9.

Epilachna bengalica: Jadwiszczak & Wegrzynowicz, 2003: 39.

Distribution: India: SK; WB. Nepal. Bhutan.

4. besucheti Canepari

Epilachna besucheti Canepari, 1986: 29 (Holotype ♂, MHNG).

Epilachna besucheti: Jadwiszczak & Wegrzynowicz, 2003: 40.

Distribution: India: WB.

5. bhutanensis Bielawski

Epilachna bhutanensis Bielawski, 1979: 91 (Holotype ♂, NHMB).

Epilachna bhutanensis: Jadwiszczak & Wegrzynowicz, 2003: 40.

Distribution: Bhutan.

6. brivioi (Bielawski & Fürsch)

Afissa brivioi Bielawski & Fürsch, 1960: 70 (Holotype ♂, MEPM).

Distribution: Burma.

7. cherrapunjiensis Kapur

Afissa cherrapunjiensis Kapur, 1963b: 133 (Holotype ♂, NZSI).

Distribution: India.

8. congener Gorham

Epilachna congener Gorham, 1895a: 693 (MCSN).

Epilachna (Solanophila) congener: Korschefsky, 1931: 28.

Afissa congener: Kapur, 1963a: 9.

Epilachna congener: Jadwiszczak & Wegrzynowicz, 2003: 52.

Distribution: India: SK; WB. Burma.

9. convextata Singh & Singh

Epilachna convextata Singh & Singh, 1990: 28 (Holotype female, ?DZPU).

Epilachna convextata: Jadwiszczak & Wegrzynowicz, 2003: 53.

Distribution: India.

10. crecentomaculata Singh & Singh

Epilachna crecentomaculata Singh & Singh, 1990: 33 (Holotype ♂, ?DZPU).

Epilachna crecentomaculata: Jadwiszczak & Wegrzynowicz, 2003: 54.

Distribution: India.

11. *decemmaculata* Redtenbacher

Epilachna decemmaculata Redtenbacher, in Kollar & Redtenbacher, 1844: 564.

Epilachna decemmaculata: Jadwiszczak & Wegrzynowicz, 2003: 56.

Distribution: India: J&K. Sri Lanka. Burma. China.

12. *delessertii* (Guerin-Meneville)

Coccinella (Epilachna) delessertii Guerin-Meneville, 1840: 42 (Lectotype, CUMZ).

Epilachna delessertii: Jadwiszczak & Wegrzynowicz, 2003: 56.

Distribution: India. Sri Lanka.

13. *deyrollii* Crotch

Epilachna deyrollii Crotch, 1874: 78 (Lectotype, CUMZ).

Epilachna deyrollei: Korschefsky, 1931: 28.

Epilachna deyrollii: Jadwiszczak & Wegrzynowicz, 2003: 57.

Distribution: SK; WB. Burma.

14. *dorotae* Bielawski

Epilachna dorotae Bielawski, 1979: 86 (Holotype ♂, NHMB).

Epilachna dorotae: Jadwiszczak & Wegrzynowicz, 2003: 59.

Distribution: Bhutan.

15. *dumerili* Mulsant

Epilachna dumerili Mulsant, 1850b: 801 (Lectotype, CUMZ).

Solanophila dumerili a. *discordia* Mader, 1935: 362.

Epilachna dumerili: Jadwiszczak & Wegrzynowicz, 2003: 60.

Distribution: India. Sri Lanka. Nepal. Burma. China. Vietnam.

16. *elvina* Mulsant

Epilachna elvina Mulsant, 1853: 250 (Lectotype, CUMZ).

Epilachna elvina: Jadwiszczak & Wegrzynowicz, 2003: 61.

Distribution: India. Nepal.

17. *endomycina* Gorham

Epilachna endomycina Gorham, 1903: 346 (?BMNH).

Epilachna endomycina: Jadwiszczak & Wegrzynowicz, 2003: 62.

Distribution: India.

18. *erinacea* (Sicard)

Solanophila erinacea Sicard, 1925: 447 (?BMNH).

Epilachna erinacea: Jadwiszczak & Wegrzynowicz, 2003: 62.

Distribution: South India.

19. *fasciolata* Crotch

Epilachna fasciolata Crotch, 1874: 80 (Holotype, CUMZ).

Epilachna fasciolata: Jadwiszczak & Wegrzynowicz, 2003: 64.

Distribution: India.

20. *flavicollis* (Thunberg)

Epilachna flavicollis Thunberg, 1781: 18 (Lectotype, UZIU).

Epilachna flavicollis: Jadwiszczak & Wegrzynowicz, 2003: 65.

Distribution: India. Sri Lanka. Burma. Thailand. China. Vietnam. Philippines. Indonesia. Taiwan.

21. *gibbera* Crotch

Epilachna gibbera Crotch, 1874: 80.

Afissa gibbera: Kapur, 1963a: 10.

Epilachna gibbera: Jadwiszczak & Wegrzynowicz, 2003: 69.

Distribution: India: SK. Nepal.

22. gokteika (Kapur)

Afissa gokteika Kapur, 1963b: 139 (Holotype ♂, NZSI).

Epilachna gokteika: Jadwiszczak & Wegrzynowicz, 2003: 71.

Distribution: Burma. Vietnam.

23. gorkhana Miyatake

Epilachna gorkhana Miyatake, 1985: 26 (Holotype ♂, EIHU).

Epilachna gorkhana: Jadwiszczak & Wegrzynowicz, 2003: 71.

Distribution: Nepal.

24. grayi Mulsant

Epilachna grayi Mulsant, 1850b: 774 (Lectotype, OXUM).

Epilachna grayi: Jadwiszczak & Wegrzynowicz, 2003: 72.

Distribution: India: AS; UP; WB. Nepal. China. Indonesia.

25. hendecaspilota (Mader)

Solanophila hendecaspilota Mader, 1927b: 44.

Epilachna hendecaspilota: Jadwiszczak & Wegrzynowicz, 2003: 74.

Distribution: India. Sri Lanka. Burma. Nepal. Thailand. Vietnam. China. Taiwan. Philippines.

26. hingstoni (Kapur)

Afissa hingstoni Kapur, 1963a: 10 (Holotype female, BMNH).

Epilachna hingstoni: Jadwiszczak & Wegrzynowicz, 2003: 74.

Distribution: India. Nepal. China.

27. hopeiana Miyatake

Epilachna hopeiana Miyatake, 1985: 28 (Holotype ♂; EIHU).

Epilachna hopeiana: Jadwiszczak & Wegrzynowicz, 2003: 75.

Distribution: Nepal.

28. impicticollis Sicard

Epilachna impicticollis Sicard, 1910: 377 (BMNH).

Epilachna impicticollis: Jadwiszczak & Wegrzynowicz, 2003: 76.

Distribution: India.

29. incauta Mulsant

Epilachna incauta Mulsant, 1850b: 803 (Lectotype, CUMZ).

Epilachna incauta: Jadwiszczak & Wegrzynowicz, 2003: 76.

Distribution: Burma. Taiwan. Indonesia.

30. intermixta (Dieke)

Afissa intermixta Dieke, 1947: 156 (Holotype female, USNM).

Epilachna intermixta: Jadwiszczak & Wegrzynowicz, 2003: 78.

Distribution: India.

31. laesicollis Mulsant

Epilachna laesicollis Mulsant, 1850b: 735.

Epilachna laesicollis: Jadwiszczak & Wegrzynowicz, 2003: 81.

Distribution: India: SK; WB. Nepal.

32. laosana (Bielawski)

Afissa laosana Bielawski, 1960: 440 (Holotype female, MIZPAN).

Epilachna laosana: Jadwiszczak & Wegrzynowicz, 2003: 82.

Distribution: India. Laos. Vietnam.

33. loculosa Sicard

Epilachna loculosa Sicard, 1913a: 495 (?BMNH).

Epilachna loculosa: Jadwiszczak & Wegrzynowicz, 2003: 84.

Distribution: India: Nilgiris.

34. macularis Mulsant

Epilachna macularis Mulsant, 1850b: 797 (Lectotype, CUMZ).
Solanophila macularis ab. *donckieri* Weise, 1912a: 112 (ZMUB).
Epilachna macularis: Jadwiszczak & Wegrzynowicz, 2003: 86.
 Distribution: India. Nepal. China.

35. maculivestis Mulsant

Epilachna maculivestis Mulsant, 1853: 251 (Lectotype, CUMZ).
Epilachna maculivestis: Jadwiszczak & Wegrzynowicz, 2003: 87.
 Distribution: India. Nepal. China.

36. marginicollis (Hope)

Coccinella marginicollis Hope, 1831: 31 (Lectotype, BMNH).
Epilachna marginicollis: Jadwiszczak & Wegrzynowicz, 2003: 88.
Epilachna flavopustulata Reiche in Gemminger & Harold, 1876: 3812 (*nomen nudum*).
Epilachna montana Dejean in Gemminger & Harold, 1876: 3812 (*nomen nudum*).
 Distribution: India: SK; WB. Nepal. Bhutan. Burma.

37. mausmaiensis Jadwiszczak

Epilachna mausmaiensis Jadwiszczak, 1990b: 735 (Holotype ♂, HNHM).-
 Jadwiszczak & Wegrzynowicz, 2003: 89.
 Distribution: India: AS.

38. maxima (Weise)

Solanophila maxima Weise, 1898e: 236 (?ZMUB).
Epilachna maxima: Jadwiszczak & Wegrzynowicz, 2003: 89.
 Distribution: India: AS. China. Taiwan. Vietnam.

39. militaris (Dieke)

Afissa militaris Dieke, 1947: 168 (Holotype female, USNM).
Epilachna militaris: Jadwiszczak & Wegrzynowicz, 2003: 91.
 Distribution: India. Nepal.

40. monsuna Bielawski

Epilachna monsuna Bielawski, 1979: 100 (Holotype ♂, NHMB).
Epilachna monsuna: Jadwiszczak & Wegrzynowicz, 2003: 92.
 Distribution: Bhutan.

41. moorii Crotch

Epilachna moorii Crotch, 1874: 78 (MNHN).
Epilachna moorei: Korschefsky, 1931: 30.
 Distribution: India: WB.

42. mystica Mulsant

Epilachna mystica Mulsant, 1850b: 841 (Lectotype, OXUM).
Epilachna mystica: Jadwiszczak & Wegrzynowicz, 2003: 94.
 Distribution: India: Northern region. Nepal. Bhutan. Burma.

43. nepalensis (Kapur)

Afissa nepalensis Kapur, 1958: 317 (Holotype female, BMNH).
Epilachna nepalensis: Jadwiszczak & Wegrzynowicz, 2003: 94.
 Distribution: Nepal.

44. nevilli Dohrn

Epilachna nevilli Dohrn, 1880: 369 (Type probably lost).
Epilachna nevilli: Jadwiszczak & Wegrzynowicz, 2003: 94.
 Distribution: India: Andamans.

45. *nielamuensis* Pang & Mao

Epilachna nielamuensis Pang & Mao, 1977: 323, 327 (Holotype ♂, IZAS).

Epilachna nielamuensis: Jadwiszczak & Wegrzynowicz, 2003: 94.

Distribution: Nepal. China.

46. *nilgirica* (Weise)

Solanophila nilgirica Weise, 1908b: 219 (Lectotype ♂, ZMUB).

Epilachna nilgirica: Jadwiszczak & Wegrzynowicz, 2003: 96.

Distribution: South India.

47. *octomaculata* (Thunberg)

Coccinella octomaculata Thunberg, 1781: 13 (Lectotype female, UZIU).

Epilachna octomaculata: Jadwiszczak & Wegrzynowicz, 2003: 99.

Coccinella confluens Olivier, 1791: 61 (unnecessary replacement name for *C. octomaculata*).

Coccinella 8-notata Herbst, 1793: 276 (unnecessary replacement name for *C. octomaculata*).

Epilachna basalis Dejean, 1837: 461 (nomen nudum).

Distribution: Burma.

48. *pembertoni* Crotch

Epilachna pembertoni Crotch, 1874: 80 (NZSI).

Epilachna pembertoni: Jadwiszczak & Wegrzynowicz, 2003: 104.

Distribution: India. Bhutan.

49. *probsti* Jadwiszczak & Pütz

Epilachna probsti Jadwiszczak & Pütz, 1994: 14 (Holotype ♂, APC).-

Jadwiszczak & Wegrzynowicz, 2003: 107.

Distribution: India: Karnataka.

50. *ryszardi* Jadwiszczak & Wegrzynowicz

Epilachna sexsignata Bielawski, 1979: 99, not Mader, 1957b: 122 (Holotype female, NHMB).

Epilachna ryszardi: Jadwiszczak & Wegrzynowicz, 2003: 112 (replacement name).

Distribution: Bhutan.

51. *schawalleri* Canepari

Epilachna schawalleri Canepari, 1997: 57: (Holotype ♂, SMNS).-Jadwiszczak & Wegrzynowicz, 2003: 113.

Distribution: Nepal.

52. *septemnotata* Bielawski

Epilachna septemnotata Bielawski, 1979: 104 (Holotype ♂; NHMB).-

Jadwiszczak & Wegrzynowicz, 2003: 114.

Distribution: Bhutan.

53. *septemocellata* Singh & Singh

Epilachna septemocellata Singh & Singh, 1990: 30 (Holotype female; ?DZPU).-

Jadwiszczak & Wegrzynowicz, 2003: 114.

Distribution: India: HP.

54. *sexpunctata* Bielawski

Epilachna sexpunctata Bielawski, 1979: 98 (Holotype female, NHMB).-

Jadwiszczak & Wegrzynowicz, 2003: 115.

Distribution: Bhutan.

55. *sexpustulata* Bielawski

Epilachna sexpustulata Bielawski, 1979: 100 (Holotype female, NHMB).-
Jadwiszczak & Wegrzynowicz, 2003: 116.

Distribution: Bhutan.

56. *shilliensis* Singh & Singh

Epilachna shilliensis Singh & Singh, 1990: 27 (Holotype ♂; ?DZPU).-
Jadwiszczak & Wegrzynowicz, 2003: 116.

Distribution: India: HP.

57. *simia* (Sicard)

Solanophila simia Sicard, 1913a: 497 (?BMNH).

Epilachna simia: Jadwiszczak & Wegrzynowicz, 2003: 115.

Distribution: India: Anamalais.

58. *subclathrata* Sicard

Epilachna subclathrata Sicard, 1910: 378 (BMNH).-Jadwiszczak &
Wegrzynowicz, 2003: 119.

Distribution: India: Nilgiri Hills.

59. *sureilica* (Kapur)

Afissa sureilica Kapur, 1963b: 136 (Holotype ♂, NZSI).

Afissa sureilica var. *marginotata* Kapur, 1963b: 138 (BMNH, NZSI).

Epilachna sureilica: Jadwiszczak & Wegrzynowicz, 2003: 120.

Distribution: India. Burma.

60. *suspiciosa* Weise

Epilachna suspiciosa Weise, 1901b: 281 (?ZMUB).- Jadwiszczak &
Wegrzynowicz, 2003: 120.

Distribution: India: SK; WB.

61. *undecimspilota* (Hope)

Coccinella 11-spilota Hope, 1831: 31 (Lectotype; BMNH).

Epilachna undecimspilota: Jadwiszczak & Wegrzynowicz, 2003: 125.

Distribution: India. Nepal.

62. *wallichii* Hope

Epilachna wallichii Hope, in Sturm, 1843: 211.

Epilachna wallichii: Jadwiszczak & Wegrzynowicz, 2003: 210 (of uncertain
specific affiliation).

Distribution: Nepal.

63. *zeylanica* Crotch

Epilachna zeylanica Crotch, 1874: 83 (Holotype, CUMZ).-Jadwiszczak &
Wegrzynowicz, 2003: 131.

Distribution: Sri Lanka.

Genus *Henosepilachna* Li

Henosepilachna Li in Li & Cook, 1961: 35. Type species: *Coccinella sparsa* Herbst,
1786 (= *Coccinella vigintioctopunctata* Fabricius, 1775), by original designation.

Henosepilachna (*Elateria*) Fürsch, 1964: 182. Type species: *Coccinella elaterii* P. Rossi,
1794, by original designation.

1. *anita* (Kapur)

Epilachna anita Kapur, 1952: 24 (Holotype male, BMNH).

Henosepilachna anita: Jadwiszczak & Wegrzynowicz, 2003: 134.

Distribution: South India.

2. *balajuensis* (Jadwiszczak & Pütz)

Epilachna balajuensis Jadwiszczak & Pütz, 1994: 13 (Holotype male; APC).

Henosepilachna balajuensis: Jadwiszczak & Wegrzynowicz, 2003: 136.

Distribution: Nepal.

3. *bielawskii* (Fürsch)

Epilachna bielawskii Fürsch, 1959: 6 (Holotype male, ZSMC).

Henosepilachna bielawskii: Jadwiszczak & Wegrzynowicz, 2003: 137.

Distribution: South India.

4. *boisduvali* (Mulsant)

Epilachna boisduvali Mulsant, 1850b: 765 (?MNHN).

Epilachna montrouzieri Fauvel, 1862: 57 (Holotype; CMF).-Synonymised by Korschefsky, 1931.

Epilachna boisduvalii: Crotch, 1874: 86.

Epilachna montrouzieri var. *fijiensis* Crotch, 1874: 89 (Lectotype: CUMZ).

Epilachna boisduvali chabuana Dieke, 1947: 80 (Holotype; USNM).

Epilachna boisduvali samoana Dieke, 1947: 81 (Holotype female; BBM).

Epilachna boisduvali tokarana Nakane & Araki, 1959: A45 (Holotype male; MMNHO).

Henosepilachna boisduvali: Jadwiszczak & Wegrzynowicz, 2003: 139.

Distribution: India. China. Taiwan. Vietnam. Philippines. Indonesia. New Guinea. Samoa Islands. New Hebrides. Fiji Islands. Australia.

5. *circellaris* (Korschefsky)

Epilachna circellaris Korschefsky, 1934c: 3 (Type depository not known).

Henosepilachna circellaris: Jadwiszczak & Wegrzynowicz, 2003: 141.

Distribution: India: Karnataka.

6. *circularis* (Korschefsky)

Epilachna circularis Korschefsky, 1934c: 3 (Type depository not known).

Henosepilachna circularis: Jadwiszczak & Wegrzynowicz, 2003: 141.

Distribution: India: Karnataka.

7. *dodecastigma* (Wiedemann)

Coccinella dodecastigma Wiedemann, 1823: 73 (?ZMUC).

Henosepilachna dodecastigma: Jadwiszczak & Wegrzynowicz, 2003: 144.

Distribution: India. Bangladesh.

8. *dubiosa* (Dieke)

Epilachna dubiosa Dieke, 1947: 62 (Holotype male; USNM).

Epilachna dubiosa assamensis Dieke, 1947: 63 (Holotype; USNM).

Henosepilachna dubiosa: Jadwiszczak & Wegrzynowicz, 2003: 144.

Distribution: India. Indonesia (Borneo).

9. *elaterii* (P.Rossi)

Coccinella elaterii P.Rossi, 1794: 85 (?ZMUB).

Henosepilachna elaterii: Jadwiszczak & Wegrzynowicz, 2003: 145.

Distribution: Pakistan. Afghanistan. South Europe. Turkey. North Africa. Sudan.

Senegal. Tschad. Niger. Volta. Iran. Iraq.

10. *gangetica* (Weise)

Epilachna doryca var. *gangetica* Weise, 1908b: 2189 (?ZMUB).

Epilachna doryca ab. *gangetina*: Korschefsky, 1931: 28.

Epilachna gangetica var. *connecta* Dieke, 1947: 69 (Holotype; AMNH).

Henosepilachna gangetica: Jadwiszczak & Wegrzynowicz, 2003: 148.

Distribution: India: Pondicherry; Tamil Nadu. Vietnam.

11. *implicata* (Mulsant)

Epilachna implicata Mulsant, 1850b: 837 (Lectotype female; BMNH).

Henosepilachna implicata: Jadwiszczak & Wegrzynowicz, 2003: 154.

Distribution: India.

12. *indica* (Mulsant)

Epilachna indica Mulsant, 1850b: 776 (Lectotype; CUMZ).

Epilachna indica var. *ceylonica* Weise, 1901a: 418 (?ZMUB).

Epilachna indica: Kapur, 1961a: 133-140.

Epilachna tertia Dieke, 1947: 66 (Holotype; USNM).-Synonymised by Kapur, 1961a.

Henosepilachna indica: Jadwiszczak & Wegrzynowicz, 2003: 154.

Distribution: India: Northeastern region. Myanmar. China. Malaysia. Indonesia (Java).

13. *karenensis* (Kapur)

Epilachna karenensis Kapur, 1961a: 137 (Holotype male; BMNH).

Henosepilachna karenensis: Jadwiszczak & Wegrzynowicz, 2003: 156.

Distribution: Burma.

14. *kaszabi* (Bielawski & Fürsch)

Epilachna kaszabi Bielawski & Fürsch, 1960: 68 (Holotype male; MEPM).

Henosepilachna kaszabi: Jadwiszczak & Wegrzynowicz, 2003: 156.

Distribution: India: Andamans. Burma. Philippines. China. Vietnam.

15. *kathmanduensis* Miyatake

Henosepilachna kathmanduensis Miyatake, 1985: 23 (Holotype male; EIHU).-

Jadwiszczak & Wegrzynowicz, 2003: 156.

Distribution: Nepal.

16. *khasiensis* (Weise)

Epilachna khasiensis Weise, 1901a: 417 (?ZMUB).

Henosepilachna khasiensis: Jadwiszczak & Wegrzynowicz, 2003: 156.

Distribution: India: AS.

17. *manipurensis* (Kapur)

Epilachna manipurensis Kapur, 1952: 26 (Holotype male; BMNH).

Henosepilachna manipurensis: Jadwiszczak & Wegrzynowicz, 2003: 158.

Distribution: India: Manipur.

18. *nana* (Kapur)

Epilachna nana Kapur, 1952: 22 (Holotype male; NZSI).

Henosepilachna nana: Jadwiszczak & Wegrzynowicz, 2003: 161.

Distribution: South India.

19. *narayana* (Lal & Kanakavalli)

Epilachna narayana Lal & Kanakavalli, 1961: 105 (INPC).

Henosepilachna narayana: Jadwiszczak & Wegrzynowicz, 2003: 161.

Distribution: India: Karnataka; Maharashtra.

20. *ocellata* (Redtenbacher)

Epilachna ocellata Redtenbacher in Kollar & Redtenbacher, 1844: 563 (NHMW).

Epilachna ocellata Mulsant, 1850b: 791 (Lectotype; OXUM).-Synonymised by Crotch, 1874.

Epilachna ocellata var. *retexta* Mulsant, 1850b: 793 (Holotype; OXUM).

Henosepilachna ocellata: Jadwiszczak & Wegrzynowicz, 2003: 163.

Distribution: India: Northern region. Nepal. China.

21. ornata (Kapur)

Epilachna ornata Kapur, 1963b: 131 (Holotype male; NZSI).
Henosepilachna ornata: Jadwiszczak & Wegrzynowicz, 2003: 163.
 Distribution: India.

22. perplexa (Dieke)

Epilachna perplexa Dieke, 1947: 74 (Holotype female; USNM).
Henosepilachna perplexa: Jadwiszczak & Wegrzynowicz, 2003: 164.
 Distribution: India. Thailand.

23. pusillanima (Mulsant)

Epilachna pusillanima Mulsant, 1850b: 784 (Lectotype male; CUMZ).
Epilachna pusillanima var. *languens* Mulsant, 1850b: 786 (?ZMUC).
Epilachna dentulata Dieke, 1947: 46 (Holotype; USNM).-Synonymised by Li & Cook, 1961.
Epilachna dentulata parvinotata Dieke, 1947: 47 (Holotype; USNM).-
 Synonymized by Li & Cook, 1961.
Henosepilachna pusillanima: Jadwiszczak & Wegrzynowicz, 2003: 165.
 Distribution: India. Nepal. China. Taiwan. Thailand. Vietnam. Philippines.
 Indonesia.

24. pytho (Mulsant)

Epilachna pytho Mulsant, 1850b: 777 (Lectotype; CUMZ).
Henosepilachna pytho: Jadwiszczak & Wegrzynowicz, 2003: 165.
 Distribution: Burma. Indonesia. Philippines.

25. quarta (Dieke)

Epilachna quarta Dieke, 1947: 66 (Holotype male; USNM).
Henosepilachna quarta: Jadwiszczak & Wegrzynowicz, 2003: 166.
 Distribution: India.

26. quinta (Dieke)

Epilachna quinta Dieke, 1947: 64 (Holotype female; USNM).
Henosepilachna quinta: Jadwiszczak & Wegrzynowicz, 2003: 166.
 Distribution: Sri Lanka.

27. septima (Dieke)

Epilachna septima Dieke, 1947: 58 (Holotype; USNM).
Henosepilachna septima: Jadwiszczak & Wegrzynowicz, 2003: 170.
Epilachna keiseri Bielawski, 1957a: 73 (Holotype female; NHMB).-Synonymised
 by Kapur, 1967.
 Distribution: India. Sri Lanka. Vietnam.

28. sikkimica (Kapur)

Epilachna sikkimica Kapur, 1963a: 7 (Holotype female; BMNH).
Henosepilachna sikkimica: Jadwiszczak & Wegrzynowicz, 2003: 171.
 Distribution: India: SK.

29. vigintioctomaculata (Motschulsky)

Epilachna vigintioctomaculata Motschulsky, 1857: 40 (Lectotype female;
 ZMUM).
Epilachna 28-maculata a. *incompleta* Mader, 1930: 184 (MGFT).
Epilachna 28-maculata a. *coalescens* Mader, 1930: 184 (Type depository not
 known).
Epilachna vigintioctomaculata solanivora Chujo, 1968: 52 (*Nomen nudum*).
Henosepilachna vigintioctomaculata: Jadwiszczak & Wegrzynowicz, 2003: 178.

Distribution: India. Nepal. China. Taiwan. Vietnam. Korea. Japan. Russian Far East.

30. *vigintioctopunctata* (Fabricius)

Coccinella 28-punctata Fabricius, 1775: 84 (Lectotype female; ZMUC).

Coccinella chrysomelina Fabricius, 1775: 82 (?LSUK, ?MNHL).-Synonymized by Fürsch, 1964.

Coccinella sparsa Herbst, 1786: 160 (?ZMUB).-Synonymized by Herbst, 1793.

Henosepilachna vigintioctopunctata: Jadwiszczak & Wegrzynowicz, 2003: 178.

Distribution: India. Sri Lanka. Pakistan. Nepal. Bhutan. Burma. Thailand. Vietnam. Philippines. Indonesia. Japan. China. New Guinea. Fiji. Solomon Islands. Australia.

31. *zebra* (Sicard)

Epilachna grayi var. *zebra* Sicard, 1925: 448 (BMNH).

Henosepilachna zebra: Jadwiszczak & Wegrzynowicz, 2003: 182.

Distribution: South India.

Genus *Macrolasia* Weise

Macrolasia Weise, 1903b: 230. Type species: *Macrolasia arcula* Weise, 1903b, by monotypy.

1. *arcula* Weise

Macrolasia arcula Weise, 1903b: 231 (ZMUB).- Jadwiszczak & Wegrzynowicz, 2003: 183.

Distribution: India: Pondicherry.

Subfamily SCYMNINAE

Tribe Aspidimerini

***Aspidimerus* Mulsant, 1850**

Aspidimerus Mulsant, 1850: 944. Type species: *Aspidimerus spencei* Mulsant, 1850: 944, by subsequent designation of ?Korschefsky, 1931.

1. *birmanicus* (Gorham)

Cryptogonus birmanicus Gorham, 1895: 691.

Aspidimerus birmanicus: Kapur, 1948b: 84 (rev.).

Distribution: Myanmar. Thailand.

2. *nigrovittatus* Motschulsky[†]

Aspidimerus nigrovittatus Motschulsky, 1866: 424 (UM).-Crotch, 1874: 202.-Weise, 1900a: 428.-Korschefsky, 1931: 172 (cat.).

Distribution: Sri Lanka.

[†]Note: Listed by Korschefsky under *Aspidimerus*, but Kapur (1948b) did not study this in his revision of Aspidimerini and described *Cryptogonus downingi* Kapur, based on a specimen identified as *A. nigrovittatus* by Sicard.

3. *ruficrus* Gorham

Aspidimerus ruficrus Gorham, 1895: 690 (BMNH).-Korschefsky, 1931: 173 (cat.).-Kapur, 1948b: 83.

Distribution: Myanmar.

4. *spencei* Mulsant

Aspidimerus spencei Mulsant, 1850: 944 (lectotype ♀; HEC, OU).-Crotch, 1874: 202.-Weise, 1885a: 232.-Korschefsky, 1931: 173 (cat.).-Kapur, 1948b: 83 (redesc. & lectotype design.).-Booth & Pope, 1989: 364.

Distribution: India: AS; ME (Khasia Hills). Myanmar.

Cryptogonus Mulsant, 1850

Cryptogonus Mulsant, 1850: 944.-Kapur, 1948b: 86 (rev.). Type species: *Coccinella orbicula* Gyllenhal, in Schönherr, 1808, by subsequent designation?.

1. *ariasi* (Mulsant)

Aspidimerus ariasi Mulsant, 1853a: 265; 1853b: 137 (lectotype; UCCC).-Crotch, 1874: 202.-Weise, 1900a: 427.-Korschefsky, 1931: 172 (cat.).-Gordon, 1987: 25 (lectotype design.).

Cryptogonus ariasi: Kapur, 1948b: 102 (rev.).

Distribution: India: SK; UP. Myanmar. Nepal.

2. *bilineatus* Kapur

Cryptogonus bilineatus Kapur, 1948b: 115 (Holotype ♂; BMNH).

Distribution: India: TN.

3. *bimaculatus* Kapur

Cryptogonus bimaculatus Kapur, 1948b: 115 (Holotype ♂; BMNH).

Distribution: India: AS; TN. Bhutan. Myanmar. Nepal. Thailand.

4. *bryanti* Kapur

Cryptogonus bryanti Kapur, 1948b: 116 (Holotype ♂; BMNH).

Distribution: Sri Lanka.

5. *complexus* Kapur

Cryptogonus complexus Kapur, 1948b: 110 (Holotype ♂; BMNH).

Cryptogonus complexus var. *vittata* Kapur, 1948b: 110.

Cryptogonus complexus var. *posticus* Kapur, 1948b: 110.

Distribution: India: AS; SK. Bhutan. Myanmar. Nepal.

6. *downingi* Kapur

Aspidimerus nigrovittatus sensu Sicard (not Motschulsky, 1866), 1913: 501 (Holotype ♂; BMNH).

Cryptogonus downingi: Kapur, 1948b: 107 (replacement name, desc.).

Distribution: Myanmar.

7. *fulvoterminatus* Boheman

Cryptogonus fulvoterminatus Boheman, 1859: 206.-Weise, 1898: 238; 1900a: 427.-Korschefsky, 1931: 173 (cat.).-Kapur, 1948b: 105 (rev.).

Cryptogonus flavoterminatus: Crotch, 1874: 203.-Korschefsky, 1931: 173 (cat.).

Scymnus birmanicus Gorham, 1895: 693 (not *Cryptogonus birmanicus* Gorham, 1895: 691).-Kapur, 1948b: 105 (syn.).

Cryptogonus fulvoterminatus var. *birmanicus*: Sicard, 1913: 503.-Korschefsky, 1931: 173 (cat.).

Distribution: Myanmar. Thailand. Indonesia. Malaysia.

8. *himalayensis* Kapur

Cryptogonus himalayensis Kapur, 1948b: 108 (Holotype; BMNH).

Distribution: India: SK. Bhutan. Myanmar.

9. *hingstoni* Kapur

Cryptogonus hingstoni Kapur, 1948b: 103 (Holotype ♂; BMNH).

Distribution: India: SK.

10. *kapuri* Ghorpade

Cryptogonus kapuri Ghorpade, 1974: 55-60 (Holotype ♂; ?ZSI).

Distribution: India: KA.

11. laetus (Weise)

Aspidimerus laetus Weise, 1885a: 233.

Cryptogonus laetus: Weise, 1900a: 427.-Korschefsky, 1931: 173 (cat.).-Kapur, 1948b: 97 (rev.).

Distribution: Myanmar.

12. lepidus (Weise)

Aspidimerus lepidus Weise, 1885a: 233.

Cryptogonus lepidus: Weise, 1900a: 428.-Korschefsky, 1931: 173 (cat.).

Distribution: India: AS. Myanmar. Thailand.

13. loebli Canepari

Cryptogonus loebli Canepari, 1986: 27 (Holotype ♀; MSNG).

Distribution: India: UP (Garhwal and Kumaon).

14. nepalensis Bielawski

Cryptogonus nepalensis Bielawski, 1972: 294 (Holotype ♂; ZSBS).

Distribution: Nepal.

14a. nepalensis bhutanensis Bielawski

Cryptogonus nepalensis bhutanensis Bielawski, 1979: 109 (Holotype ♂; NMB/PAS).

Distribution: Bhutan.

15. nitidus Kapur

Cryptogonus nitidus Kapur, 1948b: 104 (Holotype ♀; BMNH).

Distribution: Myanmar. Nepal.

16. orbiculus (Gyllenhal)

Coccinella orbicula Gyllenhal, in Schönherr, 1808: 205 (?NREA).

Cryptogonus orbiculus: Mulsant, 1850: 945.-Kapur, 1948b: 86 (rev.).

Cryptogonus orbiculus var. *nigripennis* Weise, 1895b: 137.-Sasaji, 1971: 195.

Cryptogonus orbiculus var. *apicalis* Weise, 1900a: 425.-Sasaji, 1971: 195.

Cryptogonus orbiculus var. *sellatus* Weise, 1900a: 425.-Sasaji, 1971: 195.

Cryptogonus orbiculus var. *japonicus* Weise, 1900a: 425.-Sasaji, 1971: 195.

Cryptogonus orbiculus var. *lunatus* Kapur, 1948b: 93.-Sasaji, 1971: 195.

Coccinella lunigera Thunberg, in Schönherr, 1808: 207 (Lectotype; UU).-Korschefsky, 1932: 581 (as *species incerta sedis*).-Synonymised and lectotype designated by Pope, 1987: 59.

Aspidimerus fulvocinctus Mulsant, 1853a: 266; 1853b: 138.-Crotch, 1874: 202.-Weise, 1900a: 424.-Sasaji, 1971: 195.

Platynaspis oculata Motschulsky, 1858: 118 (Holotype; UM).-Crotch, 1874: 199.-Iablokoff-Khnzorian, 1972: 167.

Cryptogonus oculata: Weise, 1900a: 423.-Korschefsky, 1931: 173.

Cryptogonus centroguttatus Boheman, 1859: 206.-Sasaji, 1971: 195.

Coccinella antica Walker, 1859: 219.-Kapur, 1948b: 95.-Sasaji, 1971: 195.

Cryptogonus malasiae Crotch, 1874: 203 (Lectotype, UCCC).-Sasaji, 1971: 195 (syn.).-Gordon, 1987: 25 (lectotype design.).

Cryptogonus japonicus Crotch, 1874: 203 (?BMNH).

Scymnus (Pullus) mitsuhashii Takizawa, 1917: 333.-Sasaji, 1971: 195.

Diomus futahoshii Ohta, 1929: 9.-Sasaji, 1971: 195.

Diomus futahoshii ab. *koshunus* Ohta, 1929: 10.-Sasaji, 1971: 195.

Distribution: India: AS; ME. Bhutan. Nepal. Sri Lanka. China. Taiwan. Japan. Micronesia.

17. postmedialis Kapur

Cryptogonus postmedialis Kapur, 1948b: 95 (Holotype ♂; BMNH).

Cryptogonus postmedialis var. *sushila* Kapur, 1948b: 97 (Holotype ♂; BMNH).

Distribution: India: AS (Patkai); SK; UP; WB. Bhutan. Nepal. Myanmar.

18. quadriguttatus (Weise)

Aspidiphorus quadriguttatus Weise, 1895d: 326.

Cryptogonus quadriguttatus: Weise, 1900a: 428.-Korschefsky, 1931: 174 (cat.).-Kapur, 1948b: 97 (rev.).

Cryptogonus quadriguttatus var. *confluens* Kapur, 1948b: 99.

Cryptogonus quadriguttatus var. *nigriscens* Kapur, 1948b: 99.

Distribution: India: SK; AS; WB; UP; Goa. Bhutan.

19. trioblitus (Gorham)

Aspidimerus trioblitus Gorham, 1895: 690.-Korschefsky, 1931: 173 (cat.).

Cryptogonus trioblitus: Kapur, 1948b: 101 (rev.).

Distribution: India: AS; UP. Nepal. Myanmar. Thailand.

***Pseudaspidimerus* Kapur, 1948b**

Pseudaspidimerus Kapur, 1948b: 117. Type species: *Pseudaspidimerus trinotatus* (Thunberg) [= *Pseudaspidimerus circumflexa* (Motschulsky)], by original designation.

1. flaviceps (Walker)

Coccinella flaviceps Walker, 1859: 219 (Holotype; BMNH).

Scymnus flaviceps: Crotch, 1874: 257.-Gemminger & Harold, 1876: 3793 (cat.).-Korschefsky, 1931: 142 (cat.).

Pseudaspidimerus flaviceps: Kapur, 1948b: 123 (rev.).-Bielawski, 1957: 83.

Pseudaspidimerus flaviceps var. *limbatus* Kapur, 1948b: 124.

Aspidimerus horni Weise, 1900a: 424 (Syntype; DEI).-Korschefsky, 1931: 172. Synonymised by Kapur, 1948b: 123.

Distribution: India: TN. Sri Lanka.

2. infuscatus Poorani

Pseudaspidimerus infuscatus Poorani, 2001: 299-310 (Holotype ♂; PDBC).

Distribution: India: TN.

3. lambai Kapur

Pseudaspidimerus lambai Kapur, 1967: 166 (Holotype ♂; ZSI).

Distribution: India: AN.

4. mauliki Kapur

Pseudaspidimerus mauliki Kapur, 1948b: 124 (Holotype ♂; BMNH).-Chunram & Sasaji, 1980: 479.

Pseudaspidimerus mauliki var. *siamensis* Kapur, 1948b: 125 (Holotype ♂; BMNH).-Chunram & Sasaji, 1980: 479 (as *P. siamensis*).

Distribution: India: AS; ME. Bangladesh. Thailand.

5. trinotatus (Thunberg)

Coccinella trinotata Thunberg, 1781: 11 (lectotype ♂; UU).-Korschefsky, 1932: 582 (as *species incerta sedis*).-Pope, 1987: 64 (lectotype design.).

Pseudaspidimerus trinotatus: Pope, 1987: 64.

Platynaspis circumflexa Motschulsky, 1858: 118 (Lectotype; UM).-Korschefsky, 1931: 172 (cat.).-Iablokoff-Khnzorian, 1972: 167.

Pseudaspidimerus circumflexa: Kapur, 1948b: 117 (rev.).-Poddar & Ghosh, 1984: 67 (biol., larva figd.).-Synonymised by Pope, 1987: 64.

Pseudaspidimerus circumflexa var. *testaceus* Weise, 1900a: 423.-Korschefsky, 1931: 172 (cat.).-Kapur, 1948b: 117 (rev.).
Distribution: India: AS; KE; KA; AN; WB; Goa. Sri Lanka. Bangladesh. Myanmar.

6. *uttami* Kapur

Pseudaspidimerus uttami Kapur, 1948b: 122 (Holotype ♂; BMNH).
Distribution: India: TN. KA. Sri Lanka.

Tribe Hyperaspidini (emendation by Dozier, 1992)

Hyperaspis Chevrolat, in Dejean, 1836

Hyperaspis Chevrolat in Dejean, 1836.-Korschefsky, 1931: 177. Type species: *Coccinella reppensis* Herbst, 1783: 48, by subsequent designation of Crotch, 1874.

Oxynychus LeConte, 1850: 238.-LeConte, 1852: 130.-Mulsant, 1850: 649.-Korschefsky, 1931: 200. Type species *Oxynychus moerens* LeConte, by monotypy.

Hyperaspis (*Oxynychus*): Mulsant, 1850: 694.-Miyatake, 1961b: 154.-Kamiya, 1963: 79.

1. *maindroni* Sicard

Hyperaspis maindroni Sicard, 1929a: 179 (BMNH/PM).-Korschefsky, 1931: 183 (cat.).

Hyperaspis maindroni ab. *brumoides* Sicard, 1929a: 180.-Korschefsky, 1931: 183 (cat.).

Hyperaspis maindroni ab. *includens* Sicard, 1929a: 180.-Korschefsky, 1931: 183 (cat.).

Distribution: India: AS; KA; TN. Pakistan.

2. *marginaloides* Canepari

Hyperaspis marginaloides Canepari, 1997: 18 (Holotype ♂; MHNG).

Distribution: Nepal.

Tribe Ortaliini[#]

Amida Lewis, 1896

Amida Lewis, 1896: 34. Type species: *Scymnus (Nephus) tricolor* Harold, 1878, by original designation.

1. *vietnamica* Hoang[@]

Amida vietnamica Hoang, 1982: 189.-Yu, 2000: 24.

Ortalia pectoralis sensu Pang&Mao, 1979: 38 (not Weise, 1901b).-Yu, 2000: 24.

Distribution: India: Northeast. China. Vietnam.

[#]Note: Kovar (1996) has elevated this tribe to a separate subfamily Ortaliinae.

Ortalia Mulsant, 1850[‡]

Ortalia Mulsant, 1850: 893.-Crotch, 1874: 275. Type species: *Ortalia variata* Mulsant, 1850: 893, by subsequent designation of Crotch, 1874.

1. *andrewesi* Sicard

Ortalia andrewesi Sicard, 1913: 501 (BMNH/PM).-Korschefsky, 1931: 106 (cat.).

Distribution: Myanmar. Thailand.

2. *chlorops* Gorham

Ortalia chlorops Gorham, 1903: 347 (BMNH).-Korschefsky, 1931: 106 (cat.).

Distribution: India: TN (Anamalais).

3. *discoidea* Weise

Ortalia discoidea Weise, 1892: 27.-Korschefsky, 1931: 106 (cat.).

Ortalia dohrni Gorham, 1901: 210 (BMNH).-Mader, 1954: 123 (syn., only a form of *discoidea*).

Distribution: India: BI (Mandar).

4. *horni* Weise[®]

Ortalia horni Weise, 1900a: 433 (Syntype; DEI).-Korschefsky, 1931: 107 (cat.).

Ortalia yunnanensis Pang & Mao, 1979: 41 (desc., ♂ genitalia figd.). **Syn. nov.**

Distribution: India: TN; AS; ME; WB. Sri Lanka. Myanmar. Thailand. China.

5. *kandyana* Bielawski

Ortalia kandyana Bielawski, 1957: 79 (Holotype ♂; NMB)

Distribution: Sri Lanka.

6. *maeklini* Mulsant

Ortalia maeklini Mulsant, 1853a: 258; 1853b: 130 (ZIL).-Crotch, 1874: 276.-

Weise, 1892: 27.-Sicard, 1913: 501.-Korschefsky, 1931: 107 (cat.).-Pajni &

Verma, 1985: 196, 197 (♂ genitalia figd.).

Distribution: India: UP. Myanmar. Thailand. Indonesia.

7. *minuta* Weise

Ortalia minuta Weise, 1900a: 434.-Korschefsky, 1931: 107 (cat.).-Bielawski, 1957: 82 (♂ genitalia figd.).

Distribution: Sri Lanka.

8. *pectoralis* Weise

Ortalia pectoralis Weise, 1901b: 285.-Korschefsky, 1931: 107 (cat.).-Bielawski, 1961b: 394 (♂ genitalia figd.)

Distribution: India: ME.

9. *pusilla* Weise

Ortalia pusilla Weise, 1895b: 136.-Korschefsky, 1931: 108 (cat.).-Pajni & Verma, 1985: 196, 197 (♂ genitalia figd.).

Distribution: India: UP. Indonesia. The Philippines.

10. *quadripunctata* Gorham

Ortalia quadripunctata Gorham, 1894a: 205 (BMNH).-Korschefsky, 1931: 108 (cat.) Distribution: India: KA; TN.

‡*Note:* *Ortalia* is stated to be different from *Amida* only by its 10-segmented antennae (Sasaji, 1971; Yu, 2000) and smaller size (Yu, 2000). Yu (2000) proposed new combinations for all Chinese *Ortalia* spp. having 11-segmented antennae with *Amida*. Going by this, *Ortalia horni*, *O. quadripunctata* and two indeterminate species the author has examined from the Indian region will come under *Amida*. However, R.G. Booth (*in litt.*) opines that a generic distinction based purely on the number of antennal segments and size is not advisable and other supporting characters should be looked for.

Tribe Scymnini

***Axinoscymnus* H. Kamiya, 1963**

Axinoscymnus H. Kamiya, 1963: 127. Type species: *Axinoscymnus beneficus* H. Kamiya, 1963, by original designation.

1. *puttarudriahi* Kapur & Munshi

Axinoscymnus puttarudriahi Kapur & Munshi, 1965: 5 (Holotype ♂; ZSI).

Distribution: India: KA; TN; KE; LDI. Sri Lanka.

***Clitostethus* Weise, 1885b**

Clitostethus Weise, 1885b: 65. Type species: *Clitostethus arcuatus* (Rossi, 1792-94), by subsequent designation of ?Korschefsky, 1931: 114.

1. *fumatus* (Sicard)

Scymnus (Clitostethus) fumatus Sicard, 1929b: 520 (BMNH/PM).

Clitostethus fumatus: Korschefsky, 1931: 115 (cat.).

Distribution: Sri Lanka.

Note: Seems to belong in *Axinoscymnus* (R.G. Booth, *in litt.*).

2. *lividipes* Sicard

Clitostethus lividipes Sicard, 1913: 504 (BMNH/PM).-Korschefsky, 1931: 115 (cat.).

Distribution: Myanmar.

Note: Seems to belong in *Pseudoscymnus* Chapin (R.G. Booth, *in litt.*).

3. *luteoniger* (Canepari)[#], **comb. nov.**

Pseudoscymnus luteoniger Canepari, 1997: 8 (Holotype ♂; SMNS).

Distribution: Nepal.

[#]*Note*: Wrongly assigned to *Pseudoscymnus* (C. Canepari, *in litt.*)

***Cryptolaemus* Mulsant, 1853a**

Cryptolaemus Mulsant, 1853a: 268. Type species: *Cryptolaemus montrouzieri* Mulsant, 1853a, by monotypy.

1. *montrouzieri* Mulsant*

Cryptolaemus montrouzieri Mulsant, 1853a: 268 (lectotype; PM).

Cryptolaemus montrouzieri: Crotch, 1874: 204 (emend.).-Korschefsky, 1931: 169 (cat.).-Puttarudriah *et al.*, 1952: 377 (introduction into India).

Cryptolaemus montrouzieri montrouzieri: Booth & Pope, 1986: 706 (rev. and lectotype design.).

Distribution: Native of Indo-Australian region. Introduced into India, the USA, UK and many other countries.

***Diomus* Mulsant, 1850[‡]**

Scymnus (Diomus) Mulsant, 1850: 951.-Korschefsky, 1931: 116 (cat.).-Mader, 1955: 955.

Nephus (Diomus): Iablokoff-Khuzorian, 1976: 377.

Diomus: Weise, 1885b: 83.-Chapin, 1933: 95.-Gordon, 1976: 319. Type species: *Coccinella thoracicus* Fabricius, by subsequent designation of Korschefsky, 1931.

[‡]*Note*: *Diomus* has not been reported from the Indian region so far, though the author has seen specimens collected from south India. Revisional studies on Scymnini of the region may throw up some more species or new combinations with *Diomus*.

***Horniolus* Weise, 1900a**

Horniolus Weise, 1900a: 442. Type species: *Horniolus dispar* Weise, 1900a, by monotypy.

1. *dispar* Weise

Horniolus dispar Weise, 1900a: 443 (lectotype ♂; DEI).-Korschefsky, 1931: 110 (cat.).

Distribution: Sri Lanka.

2. *guimeti* (Mulsant)[‡]

Scymnus guimeti Mulsant, 1850: 979 (lectotype ♀; HEC, OU).-Weise, 1879: 145.-Korschefsky, 1931: 143 (cat.).-Booth & Pope, 1989: 354 (lectotype design.)

Horniolus guimeti: Booth & Pope, 1989: 354 (status rev., genitalia figd.).

Distribution: India: KA; TN. Bangladesh.

‡*Note*: Korschefsky (1931) includes India in its distribution range, but R.G. Booth (*in litt.*) doubts it and has only seen specimens from Malaysia and Borneo. An undescribed species near *H. vietnamicus* Miyatake (1976: 33) occurs in Karnataka, India. Indian records of *H. guimeti* are mostly misidentifications of *Scymnus (Pullus) latemaculatus* Motschulsky.

3. *hisamatsui* Miyatake

Horniolus hisamatsui Miyatake, 1976.

Horniolus hisamatsui: Canepari, 2003: 262 (dist.).

Distribution: Nepal. Hong Kong.

4. *nigripes* Miyatake

Horniolus nigripes Miyatake, 1976: 33 (Holotype ♂; BBM).

Distribution: India: TN.

Nephus Mulsant, 1846

Scymnus (Nephus) Mulsant, 1846: 237.

Nephus: Motschulsky, 1866: 425.-Mader, 1924: 8.-Capra, 1927: 155.-Chapin, 1965b: 200-201. Type species: *Coccinella quadrilunulatus* Illiger, 1798 (= *Sphaeridium quadrimaculatus* Herbst, 1783), by subsequent designation of Korschefsky, 1931.

Sidis Mulsant, 1850: 975 (as subgenus of *Scymnus*).-Gordon, 1976: 282 (as subgenus of *Nephus*). Type species: *Scymnus (Sidis) binaevatus* Mulsant, by subsequent designation of Korschefsky, 1931.

Nephus (Bipunctatus) Fürsch, 1987b: 66. Type species: *Scymnus bipunctatus* Kugelann, 1794.

Nephus (Geminosipho) Fürsch, 1987b: 68. Type species: *Nephus bielawskii* Fürsch, 1965.

Nephus (Parascymnus); Fürsch, 1987b: 66 (*Parascymnus* Chapin, 1965b downgraded). Type species: *Parascymnus palauensis* Chapin, by original designation.

Aponephus Booth‡, 1991: 147. Type species: *Aponephus lentiformis* Booth, 1991, by original designation. **Syn. nov.**

1. *bistillatus* (Mulsant)

Scymnus (Nephus) bistillatus Mulsant, 1853a: 273 (Holotype; UM); 1853b: 145.-Korschefsky, 1931: 142 (cat.).

Scymnus bistillatus: Crotch, 1874: 252.

Distribution: India.

2. *lentiformis* (Booth), **comb. nov.**

Aponephus lentiformis Booth, 1991: 147 (Holotype ♂; BMNH).

Distribution: India: TN.

3. *patruus* Weise

Nephus patruus Weise, 1900a: 441.

Scymnus (Nephus) patruus: Korschefsky, 1931: 144 (cat.).

Distribution: Sri Lanka.

4. *regularis* (Sicard)

Scymnus (Nephus) regularis Sicard, 1929a: 183 (lectotype ♂; BMNH).-Korschefsky, 1931: 144 (cat.)

Nephus regularis: Chelliah, 1965: 166 (♂ genitalia figd.).-Pang & Gordon, 1984: 133 (redesc. & lectotype design.).

Distribution: India: AP; AS; KA; TN. Pakistan. China.

5. *severini* (Weise)

Scymnus (Nephus) severini Weise, 1892: 27.

Nephus severini: Sicard, 1911: 383.

Scymnus (Nephus) severini: Korschefsky, 1931: 145 (cat.).

Distribution: India.

6. *similincludens* Canepari

Nephus similincludens Canepari, 2003: 262 (Holotype male; Naturkundemuseum Erfurt).

Distribution: Nepal.

7. *tagiapatus* (Kamiya)

Scymnus (Nephus) tagiapatus Kamiya, 1965b: 104.

Nephus tagiapatus: Sasaji, 1968b: 122; 1971: 130 (desc., ♂ gen. figd.).

Nephus roonwali Kapur, 1967: 163 (Holotype ♂; ZSI).-Synonymised by Sasaji, 1968b: 122.

Distribution: India: WB; AN. Thailand. Malaysia. Japan.

‡*Note*: *Aponephus* Booth was described for a genus with *Nephus*-like characters except for the 9-segmented antennae and broad elytral epipleura. Specimens of *A. lentiformis* from the same collection examined by the author have 10-segmented antennae and clearly belong to *Nephus*.

Pseudoscymnus Chapin, 1962[†]

Pseudoscymnus Chapin, 1962: 50. Type species: *Scymnus hareja* Weise, 1879, by primary designation.

1. *dwipakalpa* Ghorpade

Pseudoscymnus dwipakalpa Ghorpade, 1977: 465 (Holotype ♂; GC).

Distribution: India: AP; KA; TN.

2. *funerarius* Canepari

Pseudoscymnus funerarius Canepari, 1997: 7 (Holotype ♂; SMNS).

Distribution: Nepal.

3. *luteus* (Sicard)!!

Scymnus (Nephus) luteus Sicard, 1929b: 183 (BMNH).

Scymnus luteus: Korschefsky, 1931: 143 (cat.).-Padmalatha & Singh, 1998: 239-242 (dist.).

Distribution: India: KE. Celebes.

4. *murreensis* Ahmad

Pseudoscymnus murreensis Ahmad, 1968: 377 (Holotype ♂; BMNH).

Distribution: Pakistan.

5. *nepalicus* Miyatake

Pseudoscymnus nepalicus Miyatake, 1985: 7 (Holotype ♂; HU).-Canepari, 1997: 3.

Distribution: Nepal.

6. *ocelliferus* Canepari

Pseudoscymnus ocelliferus Canepari, 1997: 7 (Holotype ♂; SMNS).

Distribution: Nepal.

7. *pallidicollis* (Mulsant)[#]

Scymnus pallidicollis Mulsant, 1853a: 280 (lectotype; UM).

Scymnus (Pullus) pallidicollis: Mulsant, 1853b: 152.

Scymnus pallidicollis: Korschefsky, 1931: 144 (cat.).

Pseudoscymnus pallidicollis: Iablokoff-Khnzorian, 1972: 179.

Distribution: India.

[#]Note: *Pseudoscymnus pallidicollis* is congeneric with “*Scymnus*” *saciformis* Motschulsky and neither is well placed in *Scymnus* or *Pseudoscymnus* (R.G. Booth, *in litt.*).

8. *simmondsi* Chapin & Ahmad

Pseudoscymnus simmondsi Chapin & Ahmad, 1966: 213 (Holotype ♂; USNM).
Distribution: Pakistan. India.

[†]Note: *Pseudoscymnus* Chapin is preoccupied in Pisces (R.G. Booth, *in litt.*). The monotypic genus *Propiptus* Weise (1901) with *P. subopacus* as type, also might be congeneric with this, going by Bielawski's (1961: 397-399) redescription of *P. subopacus*, which however was not based on type material.

Scymnus Kugelann, 1794

Scymnus Kugelann, 1794: 545.-Mulsant, 1846: 219; 1850: 965.-Crotch, 1874: 239.-Korschefsky, 1931: 115. Type species: *Scymnus nigrinus* Kugelann, 1794: 548, by subsequent designation of Westwood (1838-40).

Subgenus *Scymnus* (*Neopullus*) Sasaji, 1971

Scymnus (*Neopullus*) Sasaji, 1971: 177. Type species: *Scymnus hoffmanni* Weise, 1879, by original designation.

Scymnus (*Caledonus*) Bielawski, 1973: 397. Type species *Scymnus angusticollis* Fauvel, 1903, by original designation. Synonymised by Yu & Pang, 1992: 39.

1. *fuscatus* Boheman[#]

Scymnus fuscatus Boheman, 1859: 208 (Lectotype; NREA).

Scymnus (*Scymnus*) *fuscatus*: Korschefsky, 1931: 143 (cat.).

Scymnus (*Pullus*) *fuscatus*: Bielawski & Chujo, 1961: 331; 1968: 120.-Sasaji, 1968b: 123.

Scymnus (*Neopullus*) *fuscatus*: Sasaji, 1971: 180 (desc.).-Yu & Pang, 1992: 46.

Scymnus fuscatus: Iablokoff-Khnzorian, 1976: 377-379 (good species, redesc., & lectotype design.).

Scymnus brunnescens Motschulsky, 1866: 425 (Holotype; UM).-Korschefsky, 1931: 122 (cat.).

Pullus brunnescens ab. *fuscatus* Weise, 1900a: 437.-Korschefsky, 1931: 122 (cat.).

Scymnus fuscatus ab. *brunnescens*: Mader, 1955: 908.

Scymnus picescens Gorham, 1894a: 207 (BMNH).-Korschefsky, 1931: 144 (cat.).

Syn. nov.

Distribution: India: AS; KA; AN; WB. Sri Lanka. Pakistan. Nepal. China. Taiwan. The Philippines. Japan. Sunda Islands. Thailand.

2. *hoffmanni* Weise!!

Scymnus hoffmanni Weise, 1879: 152.

Pullus hoffmanni: Ohta, 1929: 9.

Scymnus (*Nephus*) *hoffmanni*: Kurisaki, 1923: 16.

Scymnus (*Pullus*) *hoffmanni*: Korschefsky, 1931: 127 (cat.).

Scymnus (*Neopullus*) *hoffmanni*: Sasaji, 1971: 178 (desc., habitus fig.).

Distribution: ?India. China. Japan.

3. *loebli* Canepari

Scymnus (*Neopullus*) *loebli* Canepari, 1986: 26 (Holotype ♂; MSNG).

Distribution: India: UP.

#Note: *Scymnus brunnescens* is a pale form of *S. fuscatus* and treated as a synonym of the latter by Sasaji (1971), but erroneously considered as distinct by Iablokoff-Khnzorian (1972; 1976) and Yu & Pang (1992: 46).

Subgenus *Scymnus (Pullus)* Mulsant, 1846

Scymnus (Pullus) Mulsant, 1846: 241.

Pullus: Motschulsky, 1866: 426. Type species: *Coccinella subvillosa* Goeze, 1777: 247, by subsequent designation of Korschefsky, 1931.

1. *assamensis* Canepari

Scymnus (Pullus) assamensis Canepari, 1986: 23 (Holotype ♂; MSNG).

Distribution: India: AS (Manas).

2. *bengalicus* Canepari

Scymnus (Pullus) bengalicus Canepari, 1986: 25 (Holotype ♂; MSNG).

Distribution: India: WB.

3. *besucheti* Canepari

Scymnus (Pullus) Besucheti Canepari, 1986: 23 (Holotype ♂; MSNG).

Distribution: India: WB. Nepal.

4. *bourdilloni* (Kapur)

Pullus bourdilloni Kapur, 1958: 335; 1963: 20 (Holotype ♂; BMNH).

Scymnus (Pullus) bourdilloni: Bielawski, 1971: 3.-Canepari, 1997: 11 (dist.).

Distribution: India: SK. Nepal.

5. *castaneus* Sicard

Scymnus (Pullus) castaneus Sicard, 1929a: 180 (PM).

Scymnus (Pullus) castaneus: Korschefsky, 1931: 142 (cat.).

Distribution: India: TN; AP; KA; KE. Bangladesh.

6. *ceylonicus* Motschulsky

Scymnus ceylonicus Motschulsky, 1858: 121 (lectotype; UM).-Weise, 1908: 229

Scymnus (Pullus) ceylonicus: Korschefsky, 1931: 142 (cat.).

Scymnus ceylonicus: Iablokoff-Khnzorian, 1972: 166, 175-176 (redesc.).

Scymnus nitidulus Motschulsky, 1866: 425 (Holotype; UM).-Crotch, 1874: 257.-Weise, 1900a: 437.-Iablokoff-Khnzorian, 1972: 166.

Scymnus uniformis Motschulsky, 1866: 425 (lectotype; UM).-Crotch, 1874: 257.-Weise, 1900a: 437.-Iablokoff-Khnzorian, 1972: 166.

Distribution: India: KA. Sri Lanka.

7. *coccivora* Ayyar

Scymnus coccivora Ayyar, 1925: 491 (?TNAU).

Scymnus (Pullus) coccivora: Korschefsky, 1931: 142.

Pullus coccidivora: Chelliah, 1965: 165 (♂ genitalia figd.).

Scymnus (Pullus) elegans Sicard, 1929a: 182.-Korschefsky, 1931: 142 (cat.).

Scymnus (Pullus) elegans var. *clathratus* Sicard, 1929a: 182.

Distribution: India: AP; KA; TN; Goa; UP. Pakistan. Bangladesh. Sri Lanka. Malaysia.

8. *exilis* Canepari

Scymnus (Pullus) exilis Canepari, 1997: 14 (Holotype ♂; SMNS).

Distribution: Nepal.

9. *facetus* Canepari

Scymnus (Pullus) facetus Canepari, 1986: 24 (Holotype ♂; MSNG).

Distribution: India: UP (Garhwal); J&K.

10. fruticis Canepari

Scymnus (Pullus) fruticis Canepari, 1997: 14 (Holotype ♂; SMNS).

Distribution: Nepal.

11. giganteus Kamiya!!

Scymnus (Pullus) giganteus Kamiya, 1961: 321-322.-Sasaji, 1971: 165 (desc., ♂genitalia figd., key).-Singh & Singh, 1991: 131-134.

Distribution: India: MI. Japan.

12. godavariensis Miyatake

Scymnus (Pullus) godavariensis Miyatake, 1985: 10 (Holotype ♂; HU).-Canepari, 1997: 3, 13.

Distribution: Nepal.

13. gracilis Motschulsky[‡]

Scymnus gracilis Motschulsky, 1866: 426 (lectotype; UM).-Korschefsky, 1931: 143.

[‡]Note: Original description involves a small black species and Iablokoff-Khnzorian (1972: 166) erroneously synonymised it with *S. nubilus* (R.G. Booth, *in litt.*).

14. gratiosus (Weise)

Pullus gratiosus Weise, 1900a: 439 (Syntype; DEI).-Sicard, 1929a: 182.

Scymnus (Pullus) gratiosus: Korschefsky, 1931: 143 (cat.).

Distribution: Sri Lanka.

15. harejoides (Sicard)

Pullus harejoides Sicard, 1911: 381 (?PM).

Scymnus harejoides: Korschefsky, 1931: 143 (cat.).

Distribution: India.

16. hepaticus Canepari

Scymnus (Pullus) hepaticus Canepari, 1997: 12 (Holotype ♂; MHNG).

Distribution: Nepal.

17. hilaris Motschulsky

Scymnus hilaris Motschulsky, 1858: 119 (Holotype; UM).-Weise, 1879: 151.-Korschefsky, 1931: 127.-Iablokoff-Khnzorian, 1972: 166, 172 (redesc.).

Scymnus (Nephus) hilaris: Kurisaki, 1923: 16.

Scymnus (Pullus) hilaris: Sasaji, 1974: 202 (not Sasaji, 1971: 175).

Distribution: India: SK. Myanmar. Sri Lanka.

18. hingstoni (Kapur)

Pullus hingstoni Kapur, 1963a: 22 (Holotype ♂; BMNH).

Distribution: India: SK; ME (Khasi Hills).

19. impexus (Mulsant)!!

Pullus impexus Mulsant, 1850: 979.

Scymnus (Pullus) impexus: Korschefsky, 1931: 127.-Afroze & Shafee, 1991: 57-61.

Distribution: India: UP. Europe. North Africa.

20. janetscheki Bielawski

Scymnus (Pullus) janetscheki Bielawski, 1971: 5 (Holotype ♂; IZUI).

Distribution: Nepal.

21. kawamurai (Ohta)

Pullus kawamurai Ohta, 1929: 8.

Scymnus (Pullus) kawamurai: Korschefsky, 1931: 129.-Kamiya, 1961: 325-327; Sasaji, 1971: 171 (desc.).-Canepari, 1986: 25 (dist.).

Scymnus (Pullus) kamiyai Araki, 1964: 40.-Synonymised by Sasaji, 1971: 171.
Distribution: India: UP (Garhwal); J&K. Japan.

22. *kosianus* Canepari

Scymnus (Pullus) kosianus Canepari, 1997: 15 (Holotype ♂; MHNG).
Distribution: Nepal.

23. *latemaculatus* Motschulsky

Scymnus latemaculatus Motschulsky, 1858: 121(Lectotype; UM).-Korschefsky, 1931: 144 (cat., as synonym of *S. quadrillum*).-Iablokoff-Khnzorian, 1972: 167.

Scymnus quadrillum auctt.: Kapur, 1942: 61 (biol., early stages desc.).-Chelliah, 1965: 166 (♂ genitalia figd.).-Iablokoff-Khnzorian, 1972: 167.-Yang, 1978: 107 (redesc.).

Nephus quadrillum: Iablokoff-Khnzorian, 1972: 167 (synonymised).

Scymnus transversoplagiatus Motschulsky, 1858: 120 (Holotype; UM).-Crotch, 1874: 253.- Korschefsky, 1931: 144 (cat.).-Iablokoff-Khnzorian, 1972: 167.

Pullus taiwanus Ohta, 1929: 6 (Holotype ♂; HU).-Korschefsky, 1931: 145 (cat.).-Yang, 1978: 107 (syn.).

Scymnus (Pullus) taiwanus: Kamiya, 1965c: 75.-Pang & Gordon, 1986: 173 (rev., ♂ genit. figd.).

Distribution: India: KA; TN; LDI; Goa. Bangladesh. Sri Lanka. Thailand. Taiwan.

24. *lucicolus* Canepari

Scymnus (Pullus) lucicolus Canepari, 1997: 15 (Holotype ♂; SMNS).
Distribution: Nepal.

25. *martensi* Canepari

Scymnus (Pullus) martensi Canepari, 1997: 14 (Holotype ♂; SMNS).
Distribution: Nepal.

26. *meghalayae* Canepari

Scymnus (Pullus) meghalayae Canepari, 1986: 24 (Holotype ♂; MSNG).
Distribution: India: ME (Khasi Hills).

27. *mellinus* Canepari

Scymnus (Pullus) mellinus Canepari, 1997: 11 (Holotype ♂; MHNG).
Distribution: Nepal.

28. *musculus* (Weise)

Pullus musculus Weise, 1900a: 438 (Syntype; DEI).

Scymnus (Pullus) musculus: Korschefsky, 1931: 143 (cat.).

Distribution: Sri Lanka.

29. *nepalensis* Bielawski

Scymnus (Pullus) nepalensis Bielawski, 1971: 3 (Holotype ♂; IZUI).-Canepari, 1986: 25 (dist.).

Distribution: India: WB. Nepal.

30. *nymphaeus* (Kapur & Munshi)

Pullus nymphaeus Kapur & Munshi, 1970: 2 (Holotype ♂; ZSI).

Distribution: India: WB.

31. *o-nigrum* Mulsant

Scymnus (Pullus) o-nigrum Mulsant, 1853a: 276; 1853b: 148 (?Deyrolle coll.).-Korschefsky, 1931: 144 (cat.).

Scymnus o-nigrum: Crotch, 1874: 255.

Distribution: India.

32. *posticalis* Sicard

Scymnus posticalis Sicard, 1913: 503 (lectotype ♂; BMNH).

Scymnus (Pullus) posticalis: Korschefsky, 1931: 144 (cat.).-Pong, 1984: 253 (redesc.).-Pang & Gordon, 1984: 131 (redesc. and lectotype design.).

Scymnus hilaris: Weise, 1879: 151 (not *hilaris* Motschulsky, 1858).-Lewis, 1896: 37.

Pullus hilaris: Ohta, 1929: 8.

Pullus hilaris ab. *awanus* Ohta, 1929: 8.-Sasaji, 1971: 175; 1974: 203.

Scymnus (Pullus) hilaris: Sasaji, 1971: 175.-Synonymised by Pang & Gordon, 1984: 131.

Scymnus (Scymnus) ishidai Araki, 1963: 252.-Sasaji, 1971: 175; 1974: 203.-Synonymised by Pong, 1984: 253 and Pang & Gordon, 1984: 131.

Scymnus (Nephus) inops Smirnof, 1973: 55 (not *inops* Casey, 1899: 156).

Distribution: India: HP; AS; Nepal. China. Japan. Myanmar.

33. *pyrocheilus* Mulsant

Scymnus pyrocheilus Mulsant, 1853a: 281 (Perroud coll.).

Scymnus (Pullus) pyrocheilus: Mulsant, 1853b: 153.-Korschefsky, 1931: 144 (cat.).

Scymnus pyrocheilus: Crotch, 1874: 256.-Kapur, 1963a: 22.

Distribution: India: AN; WB; Nepal. Bangladesh.

34. *quadrillum* Motschulsky[‡]

Scymnus quadrillum Motschulsky, 1858: 120 (not auctt) (lectotype; UM).-

Crotch, 1874: 252.-Weise, 1900a: 436.-Korschefsky, 1931: 144.

[‡]Note: This is a distinct species and *S. quadrillum* auctt. refers to *S. latemaculatus* (Booth, in prep.).

35. *rufoniger* Canepari

Scymnus (Pullus) rufoniger Canepari, 1997: 13 (Holotype ♂; SMNS).

Distribution: Nepal.

36. *saciformis* Motschulsky[‡]

Scymnus saciformis Motschulsky, 1858: 121 (lectotype; UM).-Crotch, 1874: 255.-Weise, 1900a: 438.

Scymnus (Pullus) saciformis: Korschefsky, 1931: 144 (cat.).

Distribution: India. Sri Lanka.

[‡]Note: Congeneric with “*Pseudoscymnus pallidicollis*”, neither of which is well placed in *Scymnus/Pseudoscymnus* (R.G. Booth, in litt.).

37. *sapporensis* (Ohta)!!

Pullus sapporensis Ohta, 1929: 7 (Holotype; HU).

Scymnus (Pullus) sapporensis: Korschefsky, 1931: 136 (cat.).-Sasaji, 1971: 145 (habitus fig., desc.).

Distribution: India: Northeastern region (Shantibala & Singh, 1991). Japan. China.

38. *schawalleri* Canepari

Scymnus (Pullus) schawalleri Canepari, 1997: 13 (Holotype ♂; SMNS).

Distribution: Nepal.

39. *sodalis* (Weise)

Pullus sodalis Weise, 1923: 186 (Syntype; DEI).

Scymnus (Pullus) sodalis: Korschefsky, 1931: 145 (cat.).-Kamiya, 1961: 134.-Sasaji, 1971: 173 (habitus fig., desc.).-Canepari, 1986: 25 (dist.).

Distribution: India: UP (Garhwal). Japan. Taiwan.

40. suturaloides Canepari

Scymnus (Pullus) suturaloides Canepari, 1997: 16 (Holotype ♂; MHNG).

Distribution: Nepal.

41. testacecollis (Kapur)

Pullus testacecollis Kapur, 1963a: 21 (Holotype ♂; BMNH).

Distribution: India: SK.

42. victoris Crotch

Scymnus limbatus Motschulsky, 1858: 118 (not Stephens, 1834).-Iablokoff-Khnzorian, 1972: 166.

Scymnus victoris: Crotch, 1874: 253 (replacement name).-Korschefsky, 1931: 145 (cat.).

Pullus victoris var. *obsignatus* Weise, 1900a: 435.

Scymnus (Pullus) victoris: Canepari, 1997: 11 (dist.).

Distribution: India: Nicobar Islands. Himalayas. Sri Lanka. The Philippines. Nepal.

42a. victoris unimaculata Korschefsky

Scymnus victoris unimaculata Korschefsky, 1934: 5 (?USNM).

Distribution: India.

43. uninotata (Gorham)

Clanis? uninotata Gorham, 1894a: 205 (BMNH).-Weise, 1900a: 432.

Jauravia uninotata: Korschefsky, 1931: 222 (cat.).

Scymnus uninotata: Kapur, 1946: 78.

Distribution: India: KA.

44. weigeli Canepari

Scymnus (Pullus) weigeli Canepari, 2003: 263 (Holotype male, Naturkundemuseum Erfurt).

Distribution: Nepal.

45. xerampelinus Mulsant

Scymnus xerampelinus Mulsant, 1853a: 277; 1853b: 149 (lectotype; UCCC).-Crotch, 1874: 256.-Gorham, 1894a: 208.-Korschefsky, 1931: 145 (cat.).-Gordon, 1987: 31 (lectotype design.).

Scymnus (Pullus) xerampelinus: Sicard, 1929a: 184.

Distribution: India: KA; TN. Bangladesh.

46. zonatus (Sicard)

Pullus zonatus Sicard, 1911: 382 (?PM).

Scymnus (Pullus) zonatus: Korschefsky, 1931: 145 (cat.).

Distribution: India.

Scymnus (Orthoscymnus) Canepari, 1997

Scymnus (Orthoscymnus) Canepari, 1997: 16. Type species: *Scymnus (Orthoscymnus) smetanai* Canepari, 1997: 17, by original designation.

1. rhododendri Canepari

Scymnus (Orthoscymnus) rhododendri Canepari, 1997: 17 (Holotype ♂; MHNG).

Distribution: Nepal.

2. smetanai Canepari

Scymnus (Orthoscymnus) rhododendri Canepari, 1997: 17 (Holotype ♂; SMNS).

Distribution: Nepal.

Subgenus *Scymnus* (*Scymnus*) s. str.

1. *albopilis* Motschulsky

Scymnus albopilis Motschulsky, 1858: 119 (lectotype; UM).-Crotch, 1874: 254.-Korschefsky, 1931: 144 (as syn. of *Scymnus pallidicollis* Mulsant).

Scymnus (Scymnus) albopilis: Iablokoff-Khnzorian, 1972: 166, 176 (good species, redesc.).

Distribution: Sri Lanka.

2. *andrewesi* Sicard

Scymnus andrewesi Sicard, 1911: 383 (PM).

Scymnus (Scymnus) andrewesi: Korschefsky, 1931: 141 (cat.).

Distribution: India: KA; TN.

3. *apiciflavus* (Motschulsky)

Diomus apiciflavus Motschulsky, 1858: 119 (lectotype; UM).

Scymnus apiciflavus: Motschulsky, 1868: 85.-Crotch, 1874: 254; Weise, 1885a: 235; Sicard, 1929b: 520.-Iablokoff-Khnzorian, 1972: 166.-Hoang, 1977: 1886 (redesc.).

Scymnus (Pullus) apiciflavus: Korschefsky, 1931: 141 (cat.).-Bielawski & Chujo, 1961: 332.-Chunram & Sasaji, 1980: 477 (dist.).

Scymnus (Scymnus) andamanensis Kapur, 1967: 161 (Holotype ♂; ZSI).-Synonymised by Yu & Pang, 1992: 41.

Distribution: India. Sri Lanka. Thailand. China.

4. *indicus* Weise

Scymnus indicus Weise, 1908: 228.

Scymnus (Scymnus) indicus: Korschefsky, 1931: 143 (cat.).

Distribution: India: Eastern India; KA.

5. *lepidulus* Motschulsky

Scymnus lepidulus Motschulsky, 1858: 120 (Holotype; UM).-Weise, 1879: 152; 1892: 28.-Iablokoff-Khnzorian, 1972: 166.

Scymnus (Scymnus) lepidulus: Korschefsky, 1931: 143 (cat.).

Distribution: India: BI. Sri Lanka.

6. *levaillanti* (Mulsant)

Nephus levaillanti Mulsant, 1850: 964.

Scymnus (Scymnus) levaillanti: Canepari, 1986: 26 (dist.).

Distribution: India: UP (Garhwal). Europe. Africa.

7. *nubilus* Mulsant

Scymnus nubilus Mulsant, 1850: 972 (lectotype; HEC, OU).-Bielawski, 1972: 293 (♂ genit. figd.).-Booth & Pope, 1989: 359 (lectotype design.).

Scymnus (Scymnus) nubilus: Korschefsky, 1931: 143 (cat.).

Scymnus curtisii Mulsant, 1850: 973 (original syntype lost).-Synonymised by Booth & Pope, 1989: 351.

Scymnus suturalis Motschulsky, 1858: 120.-Crotch, 1874: 253.-Korschefsky, 1931: 144.-Iablokoff-Khnzorian, 1972: 166.

Scymnus stabilis Motschulsky, 1866: 426 (Holotype; UM).-Crotch, 1874: 257.-Weise, 1900a: 439.-Korschefsky, 1931: 144 (cat.).

Scymnus lateralis Sicard, 1913: 502 (Holotype ♀; BMNH).-Korschefsky, 1931: 143 (cat.).-Pang and Gordon, 1984: 133 (redesc.).-Synonymised by Booth & Pope, 1989: 360.

Distribution: India: AS; KA; LDI; MH; OR; TN; WB; Goa. Pakistan. Bangladesh. Sri Lanka. Nepal. Myanmar. China. Asia Minor.

8. *sufflavus* Canepari

Scymnus (Scymnus) sufflavus Canepari, 1997: 9 (Holotype ♂; SMNS).
Distribution: Nepal.

9. *tristigmaticus* Gorham

Scymnus tristigmaticus Gorham, 1895: 692 (BMNH).
Scymnus (Scymnus) tristigmaticus: Canepari, 1986: 26 (dist.).
Distribution: India: ME (Khasi Hills). Nepal. Myanmar.

10. *trisulicus* Canepari

Scymnus (Scymnus) trisulicus Canepari, 1997: 9 (Holotype ♂; SMNS).
Distribution: Nepal.

11. *venalis* Mulsant

Scymnus venalis Mulsant, 1853a: 274; 1853b: 146 (Deyrolle coll.).-Crotch, 1874: 256.-Weise, 1908: 256.
Scymnus (Scymnus) venalis: Korschefsky, 1931: 145.
Distribution: India.

Subgenus not known**1. *asciuianus* Gorham**

Scymnus asciuianus Gorham, 1895: 692 (BMNH).-Korschefsky, 1931: 142 (cat.).
Distribution: Myanmar.

2. *seriatus* Weise

Scymnus seriatus Weise, 1895a: 156.-Korschefsky, 1931: 145 (cat.).
Distribution: E. India ("Bengal").

Tribe Stethorini***Stethorus* Weise, 1885b**

Scymnus (Stethorus) Weise, 1885b: 65.

Stethorus Weise, 1899: 64.-Kapur, 1948c: 297 (rev.). Type species: *Coccinella minimus* Rossi, 1794 (= *Stethorus punctillum* (Weise, 1891)) by subsequent designation of Korschefsky, 1931.

Nephopullus Brethes, 1925: 167.-Kapur, 1948c: 300. Type species: *Nephopullus darwini* Brethes, by subsequent designation of Korschefsky, 1931.

Stethorus (Allostethorus) Iablokoff-Khnzorian, 1972: 120. Type species: *Stethorus (Allostethorus) amurensis* Iablokoff-Khnzorian, 1972, by original designation.

Stethorus (Parastethorus) Pang & Mao, 1975: 294-304. Type species: *Stethorus (Parastethorus) yunnanensis* Pang & Mao, 1975, by original designation.

1. *gilvifrons* (Mulsant)

Scymnus gilvifrons Mulsant, 1850: 995 (Holotype; UM).-Crotch, 1874: 251.
Scymnus (Stethorus) gilvifrons: Weise, 1885b: 74.
Stethorus gilvifrons: Korschefsky, 1931: 112 (cat.).-Kapur, 1948c: 303 (rev.).-Mathur & Srivastava, 1966: 311 (immature stages desc.).
Distribution: India: AN; KA; KE; HP. Pakistan. Italy. Cyprus.

2. *guangxiensis* Pang & Mao[®]

Stethorus (Parastethorus) guangxiensis Pang&Mao, 1975: 421; 1979: 39.-Yu, 1996, 33.
Distribution: India: KA. China.

3. *indira* Kapur

Stethorus indira Kapur, 1950: 148 (Holotype ♂; ZSI).
Stethorus (Parastethorus) indira: Yu, 1996: 33 (dist.).
Distribution: India: WB; ME. China. Thailand.

4. keralicus Kapur

Stethorus keralicus Kapur, 1961b: 35 (Holotype ♂; ZSI).

Distribution: India: KE; TN; KA.

5. parcepunctatus Kapur

Stethorus parcepunctatus Kapur, 1948c: 312 (Holotype ♂; BMNH).

Distribution: India: KA.

6. pauperculus (Weise)

Scymnus (Stethorus) pauperculus Weise, 1895a: 155.

Stethorus pauperculus: Weise, 1900a: 440.-Kapur, 1948c: 309 (rev.).

Distribution: India: KA; TN; BI; Delhi; MH. Pakistan. Thailand. Malaysia.

7. rani Kapur

Stethorus rani Kapur, 1948c: 313 (Holotype ♂; BMNH).

Distribution: India: UP. Thailand. China.

8. tetranychii Kapur

Stethorus tetranychii Kapur, 1948c: 311 (Holotype ♂; BMNH).

Distribution: Bangladesh. Thailand.

Subfamily STICHOLOTIDINAE

(=Sticholotinae)

Tribe Plotinini (Miyatake, 1994)***Buprestodera* Sicard, 1911**

Buprestodera Sicard, 1911: 379. Type species: *Buprestodera mimetica* Sicard, 1911: 380, by monotypy (monobasic).-Miyatake, 1969: 197-216; 1994: 284 (rev.).

1. inornata Miyatake

Buprestodera inornata Miyatake, 1969: 212 (Holotype ♂; EU).

Distribution: India: TN.

2. mimetica Sicard

Buprestodera mimetica Sicard, 1911: 380 (BMNH/PM).-Korschefsky, 1932: 384 (cat.).-Miyatake, 1969: 210 (redesc., ♂ genitalia figd.).

Distribution: India: KA; TN.

***Paraplotina* Miyatake, 1969**

Paraplotina Miyatake, 1969: 209. Type species: *Paraplotina flavomaculata* Miyatake, 1969: 209, by original designation.

1. flavomaculata Miyatake

Paraplotina flavomaculata Miyatake, 1969: 209 (Holotype ♂; CAS).

Distribution: India: TN.

***Protoplotina* Miyatake, 1994**

Protoplotina Miyatake, 1994: 284. Type species: *Protoplotina vietnamica* Miyatake, by original designation.

1. nigrosuturalis Poorani

Protoplotina nigrosuturalis Poorani, 2003b: 4 (Holotype ♀; PDBC).

Distribution: India: UP.

2. nr. vietnamica Miyatake

Protoplotina near *vietnamica* Miyatake: Poorani, 2003b: 1.

Distribution: India: ME.

Tribe Serangiini

Catana Chapin, 1940

Catana Chapin, 1940: 264, 266. Type species: *Catana clauseni* Chapin, by original designation.

1. *chapini* Kapur

Catana chapini Kapur, 1956b: 189 (Holotype ♂; ZSI).

Distribution: India: UP.

Microserangium Miyatake, 1961c

Microserangium Miyatake, 1961c: 37. Type species: *Microserangium shikokense* Miyatake, by original designation.

1. *brunneonigrum* Poorani

Microserangium brunneonigrum Poorani, 2000: 45-47 (Holotype ♂; PDBC).

Distribution: India: TN.

2. *laterale* (Motschulsky)

Oeneis laterale Motschulsky, 1866: 423 (Holotype ♂; UM).

Oeneis lateralis: Iablokoff-Khnzorian, 1972: 168.

Crytographa laterale: Crotch, 1874: 208.

Serangium laterale: Sicard, 1929: 184.

Microserangium laterale: Hoang, 1977: 1882-1883 (redesc., male genitalia figd.).

Distribution: Sri Lanka.

Serangiella Chapin, 1940[#]

Serangiella Chapin, 1940: 271. Type species: *Oeneis flavescens* Motschulsky, 1866, by original designation.

[#]*Note*: Chapin (1940) erected *Serangiella*, with *Oeneis flavescens* Motschulsky (1866) from Sri Lanka as type. His illustrations of *O. flavescens* undoubtedly are those of a coccinellid, but ostensibly he did not study Motschulsky's type. Hansen (1998) examined the type material of *O. flavescens* and *Oeneis nigrigula* Motschulsky (1866) and found them to be Omicrine hydrophilids belonging to *Psalitrus* Orchymont (Coleoptera: Hydrophilidae). He also regarded *O. flavescens* to be a junior synonym of *O. nigrigula* and designated lectotypes for both. *Oeneis laterale* Motschulsky (1866) only is a coccinellid, belonging to *Microserangium* (Hoang, 1977). The genus *Serangiella* is hence based on a misidentified type. All these three species are listed by Korschefsky (1931) in his catalogue.

Serangium Blackburn, 1889

Serangium Blackburn, 1889: 187, 209. Type species: *Serangium mysticum* Blackburn, 1889, by monotypy.

1. *montazerii* Fürsch

Serangium montazerii Fürsch, 1995: 20 (Holotype ♂; UTAF).

Serangium parcesetosum: Timofeeva & Hoang, 1978: 302 (misidentification).

Serangium montazerii: Booth & Polaszek, 1996: 72 (male gen. figd.).

Distribution: India: UP. Pakistan. Iran. Syria. Introduced into Israel and Europe.

2. *parcesetosum* Sicard

Serangium parcesetosum Sicard, 1929a: 184 (lectotype ♀; BMNH).-Korschefsky, 1931: 218 (cat.).-Booth & Polaszek, 1996: 72 (♂ genitalia figd., lectotype design.).

Catana parcesetosum: Chapin, 1940: 268.-Kapur, 1956b: 189,193.

Distribution: India: MH; TN; MP; UP; LDI. Pakistan. Thailand. Introduced into Turkey and the USA.

3. *serratum* Poorani

Serangium serratum Poorani, 1999: 55 (Holotype ♂; PDBC).

Distribution: India: KA; TN.

Tribe Shirozuellini (=Ghaniini Ahmad, 1973)

Ghanius Ahmad, 1973

Ghanius Ahmad, 1973: 449. Type species: *Ghanius karachiensis* Ahmad, by monotypy and original designation.

1. *karachiensis* Ahmad

Ghanius karachiensis Ahmad, 1973: 449 (Holotype ♂; USNM).

Distribution: Pakistan.

2. *schawalleri* Canepari

Ghanius schawalleri Canepari, 1997: 6 (Holotype ♂; SMNS).

Distribution: Nepal. India (a new species found to occur in south India).

Promecopharus Sicard, 1911[#]

Promecopharus Sicard, 1911: 388.-Korschefsky, 1931: 214.-Miyatake, 1994: 274 (rev.).

Type species: *Promecopharus andrewesi* Sicard, 1911, by monotypy.

1. *andrewesi* Sicard

Promecopharus andrewesi Sicard, 1911: 389 (?PM).-Korschefsky, 1931: 214.

Promecopharus andrewesi var. *ancoralis* Sicard, 1911: 389.-Korschefsky, 1931: 214 (cat.).

Distribution: India.

[#]*Note*: Listed under Sticholotidini by Chazeau *et al.* (1989; 1990) in their list of world genera. Miyatake (1994) reviewed the genus and correctly assigned it to Shirozuellini.

Tribe Sticholotidini (=Pharini)

Jauravia Motschulsky, 1858

Jauravia Motschulsky, 1858: 117. Type species: *Jauravia pallidula* Motschulsky, by subsequent designation of Crotch, 1874.

Clanis Mulsant, 1850: 949, 999.-Crotch, 1874: 273.-Weise, 1892: 24; 1900: 431.-Synonymised by Korschefsky, 1931: 222. Type species: *Coccinella pubescens* Fabricius, monobasic (preoccupied by Hübner, 1819, in Lepidoptera).

Paraclitostethus Ohta, 1929: 1-2.-Miyatake, 1965: 56. Type species: *Paraclitostethus ovatus* Ohta, by original designation. Synonymised by Sasaji, 1967: 19.

1. *albidula* Motschulsky

Jauravia albidula Motschulsky, 1866: 424 (as *Yauravia*) (lectotype; UM).-Crotch, 1874: 274.-Weise, 1900a: 433.-Korschefsky, 1931: 222 (cat.).

Clanis pubescens Weise (not Fabricius), 1892: 25; 1900a: 432.-Korschefsky, 1931: 222 (cat.).

Distribution: Sri Lanka.

2. *assamensis* Kapur

Jauravia assamensis Kapur, 1963d: 71 (Holotype ♂; ZSI).

Distribution: India: AS.

3. *dorsalis* (Weise)

Clanis dorsalis Weise, 1908: 227.-Sicard, 1913: 505.

Jauravia dorsalis: Korschefsky, 1931: 222 (cat.).-Kapur, 1946: 90 (rev.).

Distribution: India: TN; PY; KA. Myanmar.

4. hanifi Afroze & Shujauddin

Jauravia hanifi Afroze & Shujauddin, 1998b: 131 (Holotype ♂; AMU).

Distribution: India: UP.

5. indica Kapur

Jauravia indica Kapur, 1946: 83 (Holotype ♂; BMNH).

Distribution: India: TN.

6. kanarensis Kapur

Jauravia kanarensis Kapur, 1946: 84 (Holotype ♀; BMNH).

Distribution: India: KA.

7. kapuri Iablokoff-Khnzorian

Jauravia albidula sensu Kapur, 1946: 87 (not Motschulsky, 1858) (preoccupied) (BMNH).

Jauravia kapuri Iablokoff-Khnzorian, 1972: 176 (replacement name).

Distribution: Sri Lanka.

8. limbata Motschulsky

Jauravia limbata Motschulsky, 1858: 118; 1866: 424 (as *Yauravia*) (lectotype; UM).-Crotch, 1874: 274.

Clanis limbata: Weise, 1900a: 432, 433.

Sticholotis limbata: Weise, 1908: 227.-Korschefsky, 1931: 212 (cat.).

Jauravia limbata: Kapur, 1946: 82 (rev.).-Canepari, 1997: 5 (dist.).

Paraclitostethus ovatus Ohta, 1929: 2.-Miyatake, 1965: 56-60 (male genitalia figd.)-Synonymised by Sasaji, 1967: 19.

Paraclitostethus ovatus ab. *kokuronis* Ohta, 1929: 2.-Miyatake, 1965: 56-60.

Distribution: India: AS; KA; KE. Goa. Sri Lanka. Nepal. Taiwan. Thailand.

9. opaca (Weise)[#]

Clanis opaca Weise, 1900a: 430 (Syntype; DEI).

Jauravia opaca: Korschefsky, 1931: 222 (cat.).

Coccinella pusilla Thunberg, 1781: 16 (Lectotype; UU).-Korschefsky, 1932: 569 (cat., as *Psyllobora*).-Synonymised and lectotype designated by Pope, 1987: 61.

Distribution: India: KA; MH. Sri Lanka.

[#]Note: Erroneously synonymised with *simplex* (Walker) by Kapur (1946: 86) (Pope, 1987: 61.)

10. pallidula Motschulsky

Jauravia pallidula Motschulsky, 1858: 117 (lectotype; UM).-Crotch, 1874: 274.-Korschefsky, 1931: 222 (cat.).

Clanis pallidula: Weise, 1892: 25; 1900: 431, 433.-Gorham, 1894a: 206.-Sicard, 1911: 385.

Distribution: India: TN; KA; WB. Sri Lanka.

11. pilosula (Weise)

Clanis pilosula Weise, 1900a: 429, 433 (Syntype; DEI).

Jauravia pilosula: Korschefsky, 1931: 222 (cat.).-Kapur, 1946: 89.

Distribution: India: TN. Sri Lanka.

12. pubescens (Fabricius)

Coccinella pubescens Fabricius, 1798: 77 (?ZMC).-Schönherr, 1808: 15.

Clanis pubescens: Mulsant, 1850: 999.-Crotch, 1874: 274.-Gorham, 1894a: 204; 1903: 347; Weise, 1893: 25; 1900: 431, 433.

Jauravia pubescens: Korschefsky, 1931: 222 (cat.).-Kapur, 1946: 79 (rev.).

Distribution: India: TN; OR; KA. Sri Lanka.

13. *quadrinotata* Kapur

Jauravia quadrinotata Kapur, 1946: 85 (Holotype ♂; BMNH).-Bielawski, 1972: 297; 1979: 110.-Miyatake, 1985: 3 (male genitalia figd.).-Canepari, 1997: 4 (dist.).

Distribution: India: AS; WB; ME. Bhutan. Nepal.

14. *simplex* (Walker)

Coccinella simplex Walker, 1859: 219 (BMNH).

Scymnus simplex: Crotch, 1874: 257.-Gemminger & Harold, 1876: 3797 (cat.).

Clanis simplex: Sicard, 1913: 505.

Jauravia simplex: Korschefsky, 1932: 588 (cat.).-Kapur, 1946: 86 (rev.).

Distribution: India: KA; MH. Sri Lanka.

15. *soror* (Weise)

Clanis soror Weise, 1892: 25; 1895a: 155; 1900: 433.-Gorham, 1894a: 204.-

Lefroy, 1909: 308 (larva & adult figs.).

Jauravia soror: Korschefsky, 1931: 222 (cat.).

Jauravia pubescens Gorham (not Fabricius), 1894a: 204.-Korschefsky, 1931: 222 (syn.).

Distribution: India: TN; KA; KE. Sri Lanka.

***Parajauravia Iablokoff-Khnzorian, 1972*[#]**

Parajauravia Iablokoff-Khnzorian, 1972: 180. Type species: *Pentilia ?testivestis* Mulsant, 1853a, by original designation.

1. *testivestis* (Mulsant)

Pentilia ? testivestis Mulsant, 1853a: 290 (Holotype ♀; UM).

Pentilia testivestis: Motschulsky, 1866: 424.

Parajauravia testivestis: Iablokoff-Khnzorian, 1972: 171, 180-182 (redesc.).

Distribution: India.

[#]*Note*: Postcoxal lines of the first abdominal sternites of the type species as illustrated by Iablokoff-Khnzorian (1972) are complete and hence it may belong to the tribe Plotinini.

Pharoscygnus Bedel, 1906

Pharus Mulsant, 1850: 942, 948 (preoccupied). Type species: *Coccinella 6-guttata* Gyllenhal in Schönherr, 1808: 206, by subsequent designation of ?Korschefsky, 1931.

Pharoscygnus Bedel, 1906: 93 (replacement name)-Smirnov, 1956: 1.

Pharoscygnus (Gymnopharus) Sicard, 1909: 157.-Korschefsky, 1931: 214. Type species:

Pharoscygnus (Gymnopharus) eburifer Sicard, by original designation.

1. *flexibilis* (Mulsant)

Scymnus (Diomus) flexibilis Mulsant, 1853a: 271; 1853b: 143 (Lectotype; UCCC).

Scymnus flexibilis: Crotch, 1874: 252.-Gordon, 1987: 31 (lectotype design.).

Pharus flexibilis: Weise, 1900a: 435.

Pharoscygnus flexibilis: Korschefsky, 1931: 215 (cat.).-Smirnov, 1956: 27 (rev.).-Kapur, 1956a: 264-267 (desc., habitus & ♂ genitalia figd.).

Distribution: India: BI; J&K; KA; AP. Pakistan.

1a. *flexibilis kashmirensis* Kapur

Pharoscygnus flexibilis kashmirensis Kapur, 1956a: 267 (Holotype ♀; ZSI).

Distribution: India: J&K; UP. Pakistan.

2. *horni* (Weise)

Pharus horni Weise, 1900a: 434 (Syntype; DEI).

Pharoscymnus horni: Korschefsky, 1931: 215 (cat.).-Smirnoff, 1956: 25 (rev.).-Chelliah, 1965: 166 (♂ genitalia figd.).

Distribution: India: KA; TN; WB; KE; AP; OR; LDI.

3. *simmondsi* Ahmad

Pharoscymnus simmondsi Ahmad, 1970: 233 (Holotype ♂; BMNH).-Chunram & Sasaji, 1980: 474 (dist.).

Distribution: Pakistan. Thailand.

4. *suturalis* (Sicard)

Clanis suturalis Sicard, 1913: 505 (BMNH/PM).

Jauravia suturalis: Korschefsky, 1931: 222 (cat.).

Pharoscymnus suturalis: Kapur, 1946: 79.

Distribution: Sri Lanka. Myanmar.

***Sticholotis* Crotch, 1874**

Sticholotis Crotch, 1874: 200. Type species: *Sticholotis substriatus* Crotch, 1874, by original designation.

Gymnoscyrnus Blackburn, 1892: 241.-Weise, 1908: 13. Type species: *Gymnoscyrnus quadrimaculatus* Blackburn, monobasic.

1. *amator* Kapur

Sticholotis amator Kapur, 1958: 334.-Canepari, 1997: 3 (Holotype ♂; BMNH).

Distribution: Nepal.

2. *besucheti* Canepari

Sticholotis besucheti Canepari, 1986: 22 (Holotype ♂; MSNG).

Distribution: India: AS (Manas); ME (Garo Hills).

3. *bilineata* Weise

Sticholotis bilineata Weise, 1910a: 50.-Korschefsky, 1931: 211 (cat.).

Distribution: India: SK.

4. *binotata* (Gorham)

Clanis binotata Gorham, 1894a: 204 (BMNH).-Weise, 1900a: 432, 435.

Jauravia binotata: Korschefsky, 1931: 222 (cat.).

Sticholotis binotata: Kapur, 1946: 79.

Distribution: India: KA.

5. *cribellata* Sicard

Sticholotis cribellatus Sicard, 1911: 159 (PM).-Korschefsky, 1931: 211 (cat.).

Distribution: India: KA.

6. *decempunctata* Sicard

Sticholotis 10-punctata Sicard, 1911: 387 (PM).

Sticholotis decempunctatus: Korschefsky, 1931: 211 (cat.).-Canepari, 1997: 5 (dist.).

Distribution: India. Nepal.

7. *decora* Weise

Sticholotis decora Weise, 1908: 223.-Korschefsky, 1931: 211 (cat.).

Distribution: India: TN (Nilgiri Hills).

8. *discoidea* (Gorham)

Orcus discoideus Gorham, 1895: 688 (BMNH).-Weise, 1902: 512.

Sticholotis discoideus: Weise, 1902: 512.-Korschefsky, 1931: 211 (cat.).

Distribution: Myanmar.

9. dohrni Weise

Sticholotis dohrni Weise, 1885a: 240.

Distribution: Myanmar.

10. duodecimakulata Canepari

Sticholotis duodecimakulata Canepari, 1997: 6 (Holotype ♂; SMNS).

Distribution: Nepal.

11. duodecimpunctata Weise

Sticholotis duodecimpunctatus Weise, 1910a: 50.-Korschefsky, 1931: 212 (cat.).-Canepari, 1986: 23; 1997: 5 (dist.).

Distribution: India: SK; WB. Himalayas. Nepal.

12. exsanguis Sicard

Sticholotis exsanguis Sicard, 1911: 386 (PM).-Korschefsky, 1931: 212 (cat.).

Distribution: India.

13. ferruginea (Gorham)

Orcus? ferrugineus Gorham, 1894a: 203 (BMNH).

Sticholotis ferruginea: Weise, 1895a: 157.-Sicard, 1911: 387.-Korschefsky, 1931: 212 (cat.).

Distribution: India: KA.

14. honesta Weise

Sticholotis honesta Weise, 1908: 13.-Chunram & Sasaji, 1980: 474 (dist.).

Sticholotis quadrimaculata Weise, 1895b: 139; 1902: 510.-Korschefsky, 1931: 212 (cat.).

Distribution: India. Thailand.

15. horni Weise

Sticholotis horni Weise, 1900a: 429 (Syntype; DEI).-Korschefsky, 1931: 212 (cat.).

Distribution: Sri Lanka.

16. kumatai Miyatake

Sticholotis kumatai Miyatake, 1985: 6 (Holotype ♀; HU).

Sticholotis loebli Canepari, 1986: 22 (Holotype ♂; MSNG).-Synonymised by Canepari, 1997: 5.

Distribution: Nepal.

17. marginalis Kapur

Sticholotis marginalis Kapur, 1956a: 270 (Holotype ♂; ZSI).

Distribution: India: J&K; HP. Pakistan. Nepal.

18. minuta (Thunberg)

Coccinella minuta Thunberg, 1781: 11 (Lectotype; UU).-Korschefsky, 1932: 581 (as *species incerta sedis*).-Synonymised & lectotype designated by Pope, 1987: 59.

Distribution: "India Orientali".

19. nepalensis Miyatake

Sticholotis nepalensis Miyatake, 1985: 4 (Holotype ♀; HU).-Canepari, 1997: 5 (dist.).

Distribution: Nepal.

20. nilgiriensis Weise

Sticholotis nilgiriensis Weise, 1908: 224.-Korschefsky, 1931: 212 (cat.).

Distribution: India: TN (Nilgiris).

21. obscurella Weise

Sticholotis obscurella Weise, 1908: 222.-Korschefsky, 1931: 212 (cat.).

Distribution: India: TN (Nilgiris).

22. *obscurocincta* Sicard

Sticholotis obscurocincta Sicard, 1911: 385 (?PM).-Korschefsky, 1931: 212 (cat.).

Distribution: India.

23. *quadrisignata* Weise[#]

Sticholotis quadrisignata Weise, 1895b: 139.-Korschefsky, 1931: 212 (cat.).

Distribution: India. Vietnam.

[#]Note: To be synonymised with *S. transversa* (Motschulsky) (Booth, in prep.)

23a. *quadrisignata rugicollis* Korschefsky

Sticholotis quadrisignata rugicollis Korschefsky, 1934: 6 (?USNM).

Distribution: India: KA.

Note: It looks like a distinct species (R.G. Booth, *in litt.*).

24. *rufoplagiata* (Motschulsky)

Chilocorus rufoplagiatus Motschulsky, 1866: 39 (UM).-Korschefsky, 1932: 243 (cat.).

Sticholotis rufoplagiatus: Bielawski, 1960: 447.

Distribution: Sri Lanka.

25. *sanguinolenta* (Motschulsky)

Chilocorus sanguinolentus Motschulsky, 1866: 422 (Holotype ♂; UM).-Crotch, 1874: 188.

Sticholotis sanguinolentus: Weise, 1902: 513.-Korschefsky, 1931: 213 (cat.).-Bielawski, 1960: 445 (habitus figd.).-Iablokoff-Khnzorian, 1972: 168.-Hoang, 1977: 1884, 1886 (male genitalia figd.).

Distribution: India. Sri Lanka.

26. *sanguinosa* (Motschulsky)

Chilocorus sanguinosus Motschulsky, 1866: 39, 423 (Holotype ♂; UM).-Crotch, 1874: 188.-Korschefsky, 1932: 243.

Sticholotis sanguinosus: Bielawski, 1960: 443 (habitus figd.).-Iablokoff-Khnzorian, 1972: 168.-Hoang, 1977: 1884, 1886 (male genitalia figd.).

Distribution: India.

27. *sexpunctata* Sicard

Sticholotis 6-punctata Sicard, 1911: 387 (PM).

Sticholotis sexpunctata: Korschefsky, 1931: 213 (cat.).

Distribution: India.

28. *substriata* Crotch!!

Sticholotis substriatus Crotch, 1874: 200 (?BMNH).-Lewis, 1896: 32.-Korschefsky, 1931: 213 (cat.).-Parasuraman, 1989: 30 (dist.).

Distribution: India: TN. Japan. China.

29. *transversa* (Motschulsky)

Chilocorus transversus Motschulsky, 1866: 423 (Holotype ♀; UM).-Crotch, 1874: 188.-Korschefsky, 1932: 243 (cat.).

Sticholotis transversus: Bielawski, 1960: 448 (habitus figd.).-Iablokoff-Khnzorian, 1972: 168.-Hoang, 1977: 1885, 1886 (female genitalia figd.).

Distribution: India.

30. *tredecimmaculata* Weise

Sticholotis 13-maculata Weise, 1908: 224.

Sticholotis tredecimmaculata: Korschefsky, 1931: 213 (cat.).

Distribution: India: TN (Nilgiri Hills).

Note: Sticholotis madagassa Weise (1909: 124) introduced into India for trials against *Melanaspis glomerata* (Green) on sugarcane did not establish, though initial recoveries were made (Singh, 1994). It is probably another synonym of *S. transversa* (R.G. Booth, *in litt.*).

***Stictobura* Crotch, 1874**

Stictobura Crotch, 1874: 201; Sicard, 1911: 385. Type species: *Calvia? pallideguttata* Mulsant, 1853b, by original designation.

Apterolotis Weise, 1908: 225.-Sicard, 1911: 387.-Korschefsky, 1931: 211. Type species: *Sticholotis (Apterolotis) andrewesi* Weise, 1908 = *Stictobura pallideguttata* Crotch (not Mulsant) by subsequent designation.

1. *gibbula* (Weise)

Sticholotis (Apterolotis) gibbula Weise, 1908: 226.

Stictobura gibbula: Sicard, 1911: 385.-Korschefsky, 1931: 211 (cat.).

Distribution: India: TN.

2. *melanaria* (Weise)

Sticholotis melanaria Weise, 1903: 232.

Stictobura melanaria: Korschefsky, 1931: 211 (cat.).

Distribution: India: PY.

3. *pallideguttata* (Mulsant)

Calvia? pallideguttata Mulsant, 1853b: 161 (lectotype; UCCC).

Stictobura pallideguttata: Crotch, 1874: 201.-Korschefsky, 1931: 211.-Gordon, 1987: 25 (lectotype design.).

Sticholotis (Apterolotis) andrewesi Weise, 1908: 225.-Sicard, 1911: 385 (syn.).-Korschefsky, 1931: 211 (cat.).

Distribution: India: TN; KE.

4. *rubroguttata* Sicard

Stictobura rubroguttata Sicard, 1925: 449 (BMNH/PM).-Korschefsky, 1931: 211 (cat.).

Distribution: India: TN (Nilgiris).

5. *semipolita* Sicard

Stictobura semipolita Sicard, 1911: 384 (BMNH/PM).-Korschefsky, 1931: 211 (cat.)

Stictobura semipolita ab. *fuscipes* Sicard, 1911: 385.-Korschefsky, 1931: 211.

Stictobura semipolita ab. *testaceicollis* Sicard, 1911: 385.-Korschefsky, 1931: 211.

Distribution: India: TN; KA; KE.

***Synonymchimorpha* Miyatake, 1994[‡]**

Synonymchimorpha Miyatake, 1994: 246. Type species: *Synonymchimorpha sexpunctata* Miyatake, by original designation.

1. *chittagongi* (Vazirani)

Sticholotis chittagongi Vazirani, 1983: 301 (Holotype ♂; BMNH).

Synonymchimorpha chittagongi: Poorani, 2003c: 4.

Sticholotis rufolimbata Canepari, 1997: 6 (Holotype ♂; SMNS).-Synonymised by Poorani, 2003c: 4.

Distribution: India: KA; TN. Nepal.

2. *immaculata* Poorani

Synonymchimorpha immaculata Poorani, 2003c: 2 (Holotype ♀; PDBC).

Distribution: India: KA; KE.

‡*Note:* Miyatake (1994) mentions a South Indian species, though it is not described.

Tribe Sukunahikonini

Scotoscymnus Weise, 1900b

Scotoscymnus Weise, 1900b: 458. Type species: *Scymnomorphus rotundatus* Weise, 1897, by subsequent designation of Pope, 1961: 628.

Scymnomorphus Weise (not Blackburn, 1892), 1897: 303.-Weise, 1900b: 458.

Pharellus Sicard, 1928: 300. Type species: *Pharellus minutissimus* Sicard, by monotypy.-Chapin, 1965b: 228.-Gordon, 1970: 217. Synonymised by Gordon, 1977: 189.-Chazeau, 1977: 216 (removal from synonymy).

Sukunahikona Kamiya, 1960: 22. Type species: *Sukunahikona japonica* Kamiya, 1960, by original designation.-Synonymised by Fürsch, 1985: 283.

1. *popei* (Vazirani), comb. nov.

Sukunahikona popei Vazirani, 1982: 29 (Holotype ♂; BMNH).

Distribution: India: GU.

Coccinellid introductions into the Indian region

Introductions of coccinellids into India have been few and far between, with a majority of them imported for controlling a single pest, namely, *Melanaspis glomerata* (Green) on sugarcane, during the late sixties and early seventies. Of the 19 species introduced into India, only three, namely, *Cryptolaemus montrouzieri*, *Curinus coeruleus* and *Rodolia cardinalis*, have established well, the last two mainly in the southern region, and are providing substantial natural control. Jenkins (1948), Rao *et al.* (1971), Sankaran (1974), Gordon (1985), Booth & Polaszek (1996) and Samways *et al.* (1999) give accounts of coccinellid imports into and exports from this region. Species introduced into the Indian region (most of them by the erstwhile Indian Station of Commonwealth Institute of Biological Control, Bangalore, and CIBC, Pakistan Station), but not released or not established after field releases, are listed below. The countries of origin of the imports are indicated in parentheses after the name:

Chilocorus cacti (Linnaeus) (Trinidad), *C. kuwanae* Silvestri (Japan), *C. bipustulatus* (Linnaeus) (Pakistan), *C. distigma* (Klug) (Uganda), *C. schioedtei* Mulsant (Ghana) [as *C. discoideus* Mulsant from Uganda], *Pseudoscymnus anomalus* Chapin (Guam), *Hyperaspis trilineata* Mulsant (Barbados), *Scymnus (Pullus) impexus* Mulsant (Europe), *Microweisea suturalis* (Schwarz) (California, via Bermuda), *Coccidophilus citricola* Brethes (Brazil), *Cryptognatha nodiceps* Marshall (Trinidad), *Rhyzobius lophanthae* (Blaisdell) (Australia-directly and via Bermuda, East Africa, Reunion and West Indies), *Rhyzobius pulchellus* (Montrouzier) (Neocaledonia, via Trinidad), *Rhyzobius ventralis* (Erichson) (Australia), *Pseudoazyza trinitatis* (Marshall) (West Indies), *Sticholotis madagassa* Weise (Mauritius and Reunion, via East Africa), *Pentilia insidiosa* Mulsant (from Trinidad to Pakistan), *Stethorus vagans* Blackburn, *Orcus australasiae* Boisduval (Australia) (Sources: Puttarudriah *et al.*, 1952; Rao *et al.*, 1971; Sankaran, 1974).

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References

- ABDULLAH, M., 1969. Observations on *Anatis mali* (Say) stat. n., and *A. quindecimpunctata* (Olivier) (Coleoptera: Coccinellidae). Deutsche Entomologische Zeitschrift, 16: 319-322.
- AFROZE, S., 1999. Some Indian predaceous Coccinellidae (Coleoptera). Indian Journal of Systematic Entomology, 11: 27-34.
- AFROZE, S. & SHAFEE, S.A., 1991. Notes on some Indian predaceous Coccinellidae (Coleoptera: Coccinellidae). Indian Journal of Systematic Entomology, 8: 57-61.
- AFROZE, S. & SHUJAUDDIN, 1998a. Bioecology of *Synia melanaria* (Coccinellidae: Coleoptera) predated on *Coptosoma ostensum* Distant. Journal of Entomological Research, 22: 329-336.
- AFROZE, S. & SHUJAUDDIN, 1998b. A new species of *Jauravia* Motschulsky (Coleoptera: Coccinellidae) from India. Shashpa, 5: 131-132.
- AHMAD, R., 1968. A new species of *Pseudoscymnus* Chapin (Col., Coccinellidae) predaceous on scale insects in West Pakistan. Entomophaga, 13 (4): 377-379.
- AHMAD, R., 1970. A new species of *Pharoscyms* Bedel (Coleoptera: Coccinellidae) predacious on scale insects in Pakistan. Entomophaga, 15 (3): 233-235.
- AHMAD, R., 1973. A new tribe of the family Coccinellidae (Coleoptera). Bulletin of Entomological Research, 62 (3): 449-452.
- AHMAD, R. & GHANI, M.A., 1966. A new genus and species of Chilocorini (Coleoptera: Coccinellidae) from Pakistan. Proceedings of the Royal Entomological Society of London (B), 35 (1-2): 9-10.
- ANAND, R.K., GUPTA, A.K. & GHAI, S., 1988. A check-list of Indian Epilachninae (Coccinellidae: Coleoptera) with recorded host plants. Bulletin of Entomology, 29 (1): 121-137.
- ANAND, R.K., GUPTA, A.K. & GHAI, S., 1990. A new species of *Illeis* Muls. from North India (Insecta, Coleoptera: Coccinellidae). Reichenbachia, 27 (2): 131-134.
- ARAKI, M., 1963. Descriptions of four new species of the genus *Scymnus* from Japan (Coleoptera: Coccinellidae). Scientific Reports of the Kyoto Prefectural University, Agriculture, 3: 251-255.
- ARAKI, M., 1964. Three new species of the lady beetles of the tribe Scymnini from Japan (Insecta, Coleoptera). Scientific Reports of the Kyoto Prefectural University, Agriculture, 15A: 39-42.
- AYYAR, T.V.R., 1925. An undescribed coccinellid beetle of economic importance. Journal of the Bombay Natural History Society, 30: 491-492.
- BAROVSKY, V., 1922. Revisio specierum palaearticarum Coccinellidarum generis *Exochomus* Redtb. Annuaire du Musée Zoologique de l'Académie des Sciences de Russie, 23: 289-303.
- BAROVSKY, V., 1927. Revisio specierum palaearticarum Coccinellidarum generis *Brumus* Muls. (Coleoptera). Annuaire du Musée Zoologique de l'Académie des Sciences de Russie, 28: 194-200.
- BAROVSKY, V., 1928. De genere *Ithone* Sols. (Coleoptera: Coccinellidae). Revue Russe d'Entomologie, Leningrad, 22: 231-232.
- BHAGAT, K.C., MASOODI, M.A. & KOUL, V.K., 1988. Some observations on the incidence of arthropod natural enemies of *Aphis pomi* De Geer (Homoptera: Aphididae) occurring in the apple orchard ecosystem. Journal of Aphidology, 2 (1-2): 80-89.
- BEDDEL, L., 1906. Synonymes de Coleopteres palaeartiques. Bulletin de la Societe Entomologique de France, 1906: 91-93.
- BELICEK, J., 1976. Coccinellidae of Western Canada and Alaska with analyses of the transmontane zoogeographic relationships between the fauna of British Columbia and Alberta (Insecta: Coleoptera: Coccinellidae). Quaestiones Entomologicae, 12 (4): 283-409.
- BIELAWSKI, R., 1957. Coccinellidae (Coleoptera) von Ceylon. Verhandlungen der Naturforschenden Gesellschaft in Basel, 68: 72-96.
- BIELAWSKI, R., 1959. Coccinellidae (Coleopt.) von Sumba, Sumbawa, Flores, Timor und Bali. Wissenschaftliche Ergebnisse der Sumba Expedition des Museums für Völkerkunde und des Naturhistorischen Museums in Basel, 1949: 144-166.
- BIELAWSKI, R., 1960. Materialien zur Kenntnis der Coccinellidae (Coleoptera). Annales Zoologici, 18: 435-458.
- BIELAWSKI, R., 1961a. Bemerkung über die männlichen Genitalien von Arten der Gattung *Illeis* Muls., nebst Beschreibung einer neuen Art und einer Unterart (Coleoptera, Coccinellidae). Annales Zoologici, 19: 353-368.
- BIELAWSKI, R., 1961b. Materialien zur Kenntnis der Coccinellidae (Coleoptera). II. Annales Zoologici, 19: 385-415.
- BIELAWSKI, R., 1963a. Monographie der Epilachninae (Coleoptera, Coccinellidae) der australischen Region. Annales Zoologici, 21: 295-461.

- BIELAWSKI, R., 1963b. Beiträge zur Kenntnis der Coccinelliden von Afghanistan. III. Lunds Universitets Årsskrift (N.F.2), 59 (4): 1-21.
- BIELAWSKI, R., 1964a. A review of the New Guinean species of the genus *Harmonia* Muls. (Coleoptera: Coccinellidae). Pacific Insects, 6: 5-13.
- BIELAWSKI, R., 1964b. Die Arten der Gattung *Gyrocaria* Timberlake (Coleoptera: Coccinellidae). Bulletin de l'Académie Polonaise des Sciences, Cl.II, Serie des Sciences Biologiques, 12 (2): 83-90.
- BIELAWSKI, R., 1964c. Die Arten der Gattung *Synia* Mulsant (Coleoptera: Coccinellidae). Bulletin de l'Académie Polonaise des Sciences, Cl.II, Serie des Sciences Biologiques, 12: 23-27.
- BIELAWSKI, R., 1967a. Zwei neue Arten der Gattung *Henosepilachna* Li aus Burma (Coleoptera, Coccinellidae). Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Biologiques, Warszawa, 14 (11-12): 787-791.
- BIELAWSKI, R., 1967b. Eine neue Gattung und Art der Epilachninae aus Burma (Coleoptera, Coccinellidae). Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Biologiques, Warszawa, 14 (11-12): 793-795.
- BIELAWSKI, R., 1967c. Drei neue Arten der Gattung *Afissula* Kapur aus Burma (Coleoptera, Coccinellidae). Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Biologiques, Warszawa, 15 (3): 151-157.
- BIELAWSKI, R., 1971. Über Coccinellidae (Coleoptera) aus Nepal. Khumbu Himal, Innsbruck-München. Ergebnisse Forsch Unternehemens Nepal Himalaya, 4: 1-9.
- BIELAWSKI, R., 1972. Die Marienkäfer (Coleoptera: Coccinellidae) aus Nepal. Fragmenta Faunistica, 18: 283-312.
- BIELAWSKI, R., 1973. Rhyzobiini, Stethorini, Scymmini et Pharini (Col., Cocc.) de Nouvelle Calédonie. Annales Zoologici, 30 (4): 387-409.
- BIELAWSKI, R., 1979. Ergebnisse der Bhutan-Expedition 1972 des Naturhistorischen Museums in Basel. Coleoptera: Fam. Coccinellidae. Entomologica Basiliensia, 4: 83-125.
- BIELAWSKI, R. & CHUJO, M., 1961. Coleoptera from Southeast Asia. 16. Family Coccinellidae. Nature and Life in Southeast Asia, 1: 331-334.
- BIELAWSKI, R. & CHUJO, M., 1964. Coleoptera from Southeast Asia (III). 21. Family Coccinellidae. Nature and Life in South east Asia, 3: 226-228.
- BIELAWSKI, R. & FÜRSCHE, H. 1960. Zwei neue Coccinelliden aus Burma. Mitteilungen der Münchener Entomologische Gesellschaft E.V., München, 50: 58-71.
- BLACKBURN, T., 1889. Further notes on Australian Coleoptera with descriptions of new species. Transactions of the Royal Society of South Australia, 11: 175-214.
- BLACKBURN, T., 1892. Further notes on Australian Coleoptera, with descriptions of new genera and species. Transactions of the Royal Society of South Australia, 15: 207-261.
- BLACKBURN, T., 1894. Further notes on Australian Coleoptera, with descriptions of new genera and species. Transactions of the Royal Society of South Australia, 18: 139-240.
- BLACKBURN, T., 1900. Transactions of the Royal Society of South Australia, 24: 68.
- BOHEMAN, C.H., 1859. Coleoptera. Species nova descripsit. In Kongliga Svenska Fregatten Eugénies Resa Omkring Jorden under Befall of C. A. Virgin, 1851-1853, Zoologi, I. Insecta, pp. 113-218.
- BOOTH, R.G., 1991. A new genus and species of coccinellid (Coleoptera: Coccinellidae) predator on *Rastrococcus* spp. (Homoptera: Pseudococcidae) from India. Bulletin of Entomological Research, 81: 147-150.
- BOOTH, R.G., 1997. A review of the species of *Calvia* (Coleoptera: Coccinellidae) from the Indian subcontinent, with descriptions of two new species. Journal of Natural History, 31: 917-934.
- BOOTH, R.G., 1998. A review of the species resembling *Chilocorus nigrita* (Coleoptera: Coccinellidae): potential agents for biological control. Bulletin of Entomological Research, 88: 361-367.
- BOOTH, R.G. & POLASZEK, A., 1996. The identities of ladybird beetle predators used for whitefly control, with notes on some whitefly parasitoids, in Europe. In Proceedings of the Brighton Crop Protection Conference-Pests & Diseases, 1996, pp. 69-74.
- BOOTH, R.G. & POPE, R.D., 1986. A review of the genus *Cryptolaemus* (Coleoptera : Coccinellidae) with particular reference to the species resembling *C. montrouzieri* Mulsant. Bulletin of Entomological Research, 76: 701-717.
- BOOTH, R.G. & POPE, R.D., 1989. A review of the type material of Coccinellidae (Coleoptera) described by F.W. Pope and by E. Mulsant in the Hope Entomological Collections, Oxford. Entomologica Scandinavica, 20 (3): 343-370.

- BRETHES, J., 1923. Note sur un genre et une espèce de Coccinellides australiens passés inaperçus. Bulletin de la Société Entomologique de France, 1923: 227-229.
- BRETHES, J., 1925. Sur une collection de Coccinellides (et un Phalacridae) du British Museum. Anales del Museo Nacional de Historia Natural de Buenos Aires, 33: 145-175.
- CANEPARI, C., 1986. Su alcuni Coccinellidi dell'India e Nepal settentrionale del Museo di Storia Naturale di Ginevra (Coleoptera: Coccinellidae). Revue Suisse de Zoologie, 93 (1): 21-36.
- CANEPARI, C., 1990. Who is the author of several genera of Coccinellidae: Chevrolat or Dejean?. Coccinella, 2 (1): 38-39.
- CANEPARI, C., 1997. Coccinellidae (Coleoptera) from the Nepal Himalayas. Stuttgarter Beiträge zur Naturkunde, Serie A (Biologie), 565 (65): 1-65.
- CANEPARI, C., 2003. Coccinellidae (Insecta: Coleoptera) of Nepal from the collection of the Naturkundemuseum Erfurt, pp. 261-265. In: *Biodiversity and natural heritage of the Himalaya* (Hartmann, M. & Baumbach, H., Eds.). Verein der Freunde & Förderer des Naturkundemuseums Erfurt e.V.
- CAO, C. & PU, T., 1985. A new species and new record of Coccinellidae from Guangxi Zhuangzu autonomous region. Entomotaxonomia, 7: 273-275.
- CAPRA, F., 1927. Aggiunte e correzioni al Catalogus Coleopterorum regionis palaearticae, Endomychidae e Coccinellidae. Bollettino della Società Entomologica Italiana, 59: 152-160.
- CASEY, T.L., 1899. Revision of the American Coccinellidae. Journal of the New York Entomological Society, 7: 71-169.
- CHAPIN, E.A., 1926. On some Coccinellidae of the tribe Telsimiini with descriptions of new species. Proceedings of the Biological Society of Washington, 39: 129-134.
- CHAPIN, E.A., 1933. A new genus of West Indian Coccinellidae (Coleoptera). Proceedings of the Biological Society of Washington, 46: 95-99.
- CHAPIN, E.A., 1940. New genera and species of lady beetles related to *Serangium* Blackburn (Coleoptera: Coccinellidae). Journal of the Washington Academy of Sciences, 30: 263-272.
- CHAPIN, E.A., 1962. *Pseudoscymnus*, a new genus of Asiatic Scymnini (Coleoptera: Coccinellidae). Psyche, 69: 50-51.
- CHAPIN, E.A., 1965a. The genera of the Chilocorini (Coleoptera, Coccinellidae). Bulletin of the Museum of Comparative Zoology, Harvard University, 133: 227-271.
- CHAPIN, E.A., 1965b. Coleoptera, Coccinellidae. Insects of Micronesia, 16: 189-254.
- CHAPIN, E.A. & AHMAD, R., 1966. A new species of Coccinellid feeding on scale insects in West Pakistan. Entomophaga, 11 (2): 213-215.
- CHAPUIS, F., 1876. In Lacordaire and Chapuis: "Histoire Naturelle des Insectes, Genera des Coléoptères". Vol. 12. Roret, Paris.
- CHAZEAU, J., 1977. Contribution à la connaissance de genre *Pharellus* Sicard. Bulletin de la Société Entomologique de France, 82: 216-220.
- CHAZEAU, J., FÜRSCHE, H. & SASAJI, H., 1989. Taxonomy of Coccinellidae. Coccinella, 1: 6-8.
- CHAZEAU, J., FÜRSCHE, H. & SASAJI, H., 1990. Taxonomy of Coccinellidae (corrected version). Coccinella, 2 (2): 4-6.
- CHELLIAH, S., 1965. The male genitalia of a few predaceous coccinellids (Coleoptera: Coccinellidae) of South India. Indian Journal of Entomology, 27: 165-167.
- CHUNRAM, S. & SASAJI, H., 1980. A contribution to the Coccinellidae (Coleoptera) of Thailand. Oriental Insects, 14 (4): 473-491.
- CROTCH, G.R., 1871. List of Coccinellidae. Cambridge.
- CROTCH, G.R., 1874. A Revision of the Coleopterous Family Coccinellidae, E. W. Janson, London. 311p.
- DAUGUET, P., 1949. Les Coccinellini de France. Paris, 46 pp.
- DE GEER, C., 1775. Mémoires pour Servir à l'Histoire des Insectes. Vol. 5, Stockholm, 448 pp.
- DEJEAN, P.F.M.A., 1833-36. Catalogue des Coléoptères de la collection de M. le Comte Dejean. 2nd edition, pp. 1-443 (Fascicle 5, pp. 361-443, end 1836)
- DEJEAN, P.F.M.A., 1836-37. Catalogues des Coléoptères de la collection de M. le Comte Dejean. Troisième Edition, Revue, Corrigée et Augmentée. pp. xiv+1-503 (Fascicle 5, pp. xiv+385-503, May 1837).
- DIEKE, G.H. 1947. Lady beetles of the genus *Epilachna* (sens.lat.) in Asia, Europe, and Australia. Smithsonian Miscellaneous Collections, Washington, 106 (15): 1-183.
- DOBZHANSKY, T., 1926. Die Paläarktischen Arten der Gattung *Coccinella* L. Revue Russe d'Entomologie, 20: 16-32.

- DOBZHANSKY, T., 1927. Neue und wenig bekannte Coccinelliden. Revue Russe d'Entomologie, 21: 212-217.
- DOHRN, C.A., 1880. Exotisches. Entomologische Zeitung, Stettin, 41 (10-12): 367-382.
- DOHRN, C.A., 1882. Stettiner Entomologische Zeitung, 43: 374.
- DOZIER, H.L. Jr., 1992. Subfamily name Hyperaspidae and tribal names Hyperaspidini, Platynaspidini and Tytthaspidini (Coleoptera: Coccinellidae): emendations. Coccinella, 4 (1-2): 19.
- ERICHSON, W.F., 1843. Archiv für Naturgeschichte 9: 267.
- FABRICIUS, J.C., 1775. Systema Entomologiae. Lipsiae, 832 pp.
- FABRICIUS, J.C., 1777. Genera Insectorum. Chilonii, 310 pp.
- FABRICIUS, J.C., 1781. Species Insectorum, Vol. 1. Kilonii, 522 pp..
- FABRICIUS, J.C., 1787. Mantissa Insectorum. Hafniae, Vol. 1, 348 pp., Vol. 2, 382 pp.
- FABRICIUS, J.C., 1792. Entomologia Systematica. Hafniae, Vol. I, part 1, 330 pp., part 2, 538 pp.
- FABRICIUS, J.C., 1798. Supplementum entomologiae systematicae. Hafniae.
- FABRICIUS, J.C., 1801. Systema Eleutheratorum. Kiliae, Vol. I, 506 pp., Vol. 2, 687 pp.
- FALDERMANN, F., 1835. Coleopterorum ab ill. Bungio in China boreali, Mongolia et montibus Altaicis collectorum, nee non ab ill. Turczaninoffio et Stschukino e provincia Irkutsk missorum illustrationes. Memoires de l'Academie Imperiale des Sciences des Saint Petersburg, 2: 337-464.
- FAUVEL, A., 1903. Faune analytique des Coléoptères de la Nouvelle Calédonie. Revue d' Entomologie, 22: 203-378.
- FOTIDAR, M.R., 1941. Indian Farming, 2 (5): 236.
- FROLICH, J.A., 1799. Naturforscher, 28: 11-13.
- FÜRSCH, H., 1959. Die palaearktischen und indomalayischen Epilachnini der Zoologischen Sammlung des Bayerischen Staates München (Col., Cocc.). Opuscula Zoologica, München, 26: 1-9.
- FÜRSCH, H., 1960. Zwei neue *Tetrabrachys*-Arten (Col., Cocc.). Mitteilungen Muenchener Entomologischen Gesellschaft, 50: 64-67.
- FÜRSCH, H., 1961. Revision der afrikanischen Arten um *Exochomus flavipes* Thunb. (Col., Cocc.). Entomologische Arbeiten aus dem Museum G. Frey Tutzing bei Muenchen, 12: 68-92.
- FÜRSCH, H., 1964. Neue Gesichtspunkte zur Beurteilung des Gattungsnamens *Micraspis* Dejean (Col., Coccinellidae). Nachrichtenblatt der Bayerischen Entomologen, 13: 70-72.
- FÜRSCH, H., 1965. Die paläarktischen Arten der *Scymnus bipunctatus*-Gruppe und die europäischen Vertreter der Untergattung *Sidis*. Mitteilungen Muenchener Entomologischen Gesellschaft, 55: 195-199, f. 32-40.
- FÜRSCH, H., 1981. *Coccinella marussii* Kapur, eine neue Art in der Türkei (Coleoptera: Coccinellidae). Nachrichtenblatt der Bayerischen Entomologen, 30 (5): 81-84.
- FÜRSCH, H., 1985. Die afrikanischen Sukunahikonini und Microweiseini mit Diskussion über alle Gattungen (Col., Cocc.). Deutsche Entomologische Zeitschrift, 32 (4-5): 279-295.
- FÜRSCH, H., 1987a. Die Afrikanischen Vertreter der Gattungen *Micraspis*, *Declivitata* und *Xanthadalia* (Coleoptera: Coccinellidae). Mitteilungen Muenchener Entomologischen Gesellschaft, 77: 5-31.
- FÜRSCH, H., 1987b. Übersicht über die Genera und subgenera der Scymnini mit besonderer Berücksichtigung der Westpalaerktis (Insecta: Coleoptera: Coccinellidae). Entomologische Abhandlungen, Staatliches Museum für Tierkunde, 51 (4): 57-74.
- FÜRSCH, H., 1989. Discussion about Iablokoff-Khonzorian's paper of 1986 about Old World Coccinellidae. Coccinella, 2: 28-33.
- FÜRSCH, H., 1995. A new *Serangium* species from Iran (Col., Coccinellidae). Nachrichtenblatt der Bayerischen Entomologen, 44 (1-2): 20-22.
- GANGLBAUER, L., 1899. Die Käfer von Mitteleuropa. 3. Familienreihe Staphylinoidea, 2. Theil: Familienreihe Clavicornia. 33. Familie Coccinellidae. Wien, 1046pp.
- GEBLER, F., 1832. Notice sur les Coléoptères qui se trouvent dans le district des mines de Nertchinsk, dans la Sibérie orientale, avec la description de quelques espèces nouvelles. Nouveaux Mémoires de la Société Impériale des Naturalistes de Moscou, 2: 23-78.
- GEMMINGER, M. & VON HAROLD, E., 1876. Catalogus Coleopterorum hucusque descriptorum synonymicus et systematicus, 12: 3479-3822.
- GHANI, M.A., 1962. A note on the identity of some species of the genus *Ballia* (Coleoptera: Coccinellidae). Proceedings of the Royal Entomological Society of London (B), 31: 92-93.
- GHORPADE, K.D., 1974. Description of a new *Cryptogonus* Mulsant from Bangalore, Southern India (Coleoptera: Coccinellidae). Oriental Insects, 8: 55-60.
- GHORPADE, K.D., 1976. An undescribed species of *Illeis* (Coleoptera: Coccinellidae) from South India. Oriental Insects, 10: 579-585.

- GHORPADE, K.D., 1977. A new species of *Pseudoscymnus* (Coleoptera: Coccinellidae) predacious on coconut scale in peninsular India. *Journal of Natural History*, 11: 465-469.
- GHORPADE, K.D., 1979. On some Coccinellidae (Coleoptera) attracted to light in India. *Current Research*, 8: 113-114.
- GHOSH, A.K., BISWAS, S. & LAHIRI, A.R., 1977. A preliminary study of the insect fauna of Meghalaya. 7. Coleoptera: Coccinellidae. *Bulletin of the Meghalaya Science Society*, 2: 11-15.
- GOEZE, J.A.E., 1777. *Entomologische Beyträge I*. Leipzig. xiv+736 pp.
- GORDON, R.D., 1970. Tribal and generic reassignments in the Coccinellidae (Coleoptera). *Proceedings of the Entomological Society of Washington*, 72: 217.
- GORDON, R.D., 1976. The Scymnini of the United States and Canada: Key to genera and revision of *Scymnus*, *Nephus* and *Diomus*. *Bulletin of the Buffalo Society of Natural Sciences*, 28: 1-362.
- GORDON, R.D., 1977. Classification and phylogeny of the New World Sticholotidinae (Coccinellidae). *The Coleopterists Bulletin*, 31 (3): 185-228.
- GORDON, R.D., 1985. The Coccinellidae (Coleoptera) of America north of Mexico. *Journal of the New York Entomological Society*, 93: 1-912.
- GORDON, R.D., 1987. A catalogue of the Crotch collection of Coccinellidae (Coleoptera). *Occasional Papers on Systematic Entomology*, 3: 1-46.
- GORHAM, H.S., 1894a. On the Coccinellidae from India in the collection of Mr. H.E. Andrewes of the Indian Forestry Service. *Annales de la Société Entomologique de Belgique*, 38: 200-208.
- GORHAM, H.S., 1894b. Insectes du Bengale. Observations on some species of the family Coccinellidae, collected near Konbir and Mandar, India, Bengal, by P. Cardon. *Annales de la Société Entomologique de Belgique*, 38: 209-211.
- GORHAM, H.S., 1895. On the Coccinellidae collected by Mr. L. Fea in Burma. *Annali del Museo Civico di Storia Naturale, Genova*, (2) 34: 683-695.
- GORHAM, H.S., 1901. Erotylidae, Endomychidae and Coccinellidae of Sumatra. *Stettiner Entomologische Zeitschrift*, LXII: 169-214.
- GORHAM, H.S., 1903. On Coleoptera collected in India by MM. H.E. and H. L. Andrewes, Families Malacodermata, Erotylidae, Endomychidae and Coccinellidae. *Annales de la Société Entomologique de Belgique*, 47: 323-347.
- GUERIN-MENEVILLE, F.E., 1829-1844. *Iconographie du Regne Animale de Cuvier*. Vol. 2, Insectes. (Plates 1829-37, text 1844). J. B. Baillière, Paris.
- HANSEN, M. VON, 1998. "*Oeneis nigritula* and *flavescens* Motschulsky, 1866: the first described omicrine hydrophilids (Coleoptera, Hydrophilidae, Coccinellidae). *Entomologische Blätter für Biologie und Systematik der Käfer*, 94 (3): 119-125.
- HAROLD, E.V., 1878. *Deutsche Entomologische Zeitschrift*, 22: 87.
- HERBST, J.F.W., 1783. *Kritisches Verzeichniss meiner Insecten-Sammlung*. Volume 3. In J. C. Fuessly: *Archiv der Insectengeschichte*, pp. 1-68. H. Steiner, Zurich und Winterthur.
- HOANG, D.N., 1977. On some types of Sticholotinae and Scymninae in the collection of Motschulsky. *Zoologicheskii Zhurnal*, 56 (12): 1882-1889.
- HOANG, D.N., 1980. Some new species of lady-beetles to the subfamily Coccidulinae (Coccinellidae, Coleoptera) in Vietnam. *Tap chi Sinh Vat Hoc*, 2: 8-13.
- HOANG, D.N., 1982. A new genus and some new species of subfamily Coccinellinae, (Coleoptera: Coccinellidae) from Vietnam. *Tap chi Sinh Vat Hoc*, 4 (3): 10-15.
- HOANG, D.N., 1983. Coccinellidae of Vietnam. Part. 2. *Nha zuat ban khoa hoc va ky thuat, Hanoi*: 1-159 (In Vietnamese with English summary).
- HOPE, F.W., 1831. Synopsis of the new species of Nepaul insects in the collection of Major General Hardwicke. In J.E. Gray: *The Zoological Miscellany*, pp. 21-32. London.
- HOPE, F.W., 1840. *The Coleopterist's Manual, Part the Third, Containing Various Families, Genera, and species of Beetles Recorded by Linnaeus and Fabricius. Also Descriptions of Newly Discovered and Unpublished Insects*. London, 191 pp.
- HOPE, F.W., 1843. On the Entomology of China, with descriptions of the new species sent to England by Dr. Cantor from Chusan and Canton. *Transactions of the Entomological Society of London*, 4: 5-17.
- HOUSTON, K.J., 1979. Mosaic dominance in the inheritance of the colour patterns of *Coelophora inaequalis* (F.) (Coleoptera: Coccinellidae). *Journal of the Australian Entomological Society*, 18 (1): 45-51.
- HUMMEL, A.D., 1827. *Essais Entomologiques*. VI.

- IABLOKOFF-KHNZORIAN, S.M., 1972. Les types de Coccinellidae de la collection Motschulsky (Coléoptères Coccinellidae). Nouvelle Revue d'Entomologie, 2 (2): 163-184.
- IABLOKOFF-KHNZORIAN, S.M., 1976. Die paläarktischen Genera der Marienkäfer-Tribus Scymnini nebst Bemerkungen über *Scymnus fuscatus* (Coleoptera: Coccinellidae). Entomologica Germanica, 2: 374-380.
- IABLOKOFF-KHNZORIAN, S.M., 1979. Genera der Paläarktischen Coccinellini (Coleoptera: Coccinellidae). Entomologische Blätter für Biologie und Systematik der Käfer, 75 (1-2): 37-75.
- IABLOKOFF-KHNZORIAN, S.M., 1982. Les Coccinelles Coléoptères-Coccinellidae Tribu Coccinellini des régions Palearctique et Orientale. Boubée, Paris. 568 pp.
- IABLOKOFF-KHNZORIAN, S.M., 1983. Survey of the family of the Coccinellidae beetles of the USSR fauna (Coleoptera: Coccinellidae). Zoologicheskyy sbornik. Erevan, 19: 94-161.
- IABLOKOFF-KHNZORIAN, S.M., 1984. Notes sur la tribu des Coccinellini (Coleoptera: Coccinellidae). Nouvelle Revue d'Entomologie (N.S.), 1 (2): 203-220.
- IABLOKOFF-KHNZORIAN, S.M., 1986. *Adalia puetzi* n. sp., nouvelle espece du Pakistan (Col. Coccinellidae). Nouvelle Revue d'Entomologie (N.S.), 3 (1): 80.
- ILLIGER, J.C.W., 1798. In Kugelann: Verzeichniss der Käfer Preussens, Ausgearbeitet von Illiger, mit einer Vorrede von Hellwig und dem Angehängten Versuch einer Natürlichen Ordnung und Gattungs Folge der Insecten. Halle, 510 pp.
- JABLOKOV-KHNZORIAN, S.M., 1986. Bemerkungen über einige Coccinellini der Alten Welt (Coleoptera: Coccinellidae). Entomologische Abhandlungen, Staatliches Museum für Tierkunde, 50 (1): 59-80.
- JACOBSON, G.G., 1916. Die Käfer Russlands und Westeuropas. Ein Handbuch zum Bestimmen der Käfer. Petrograd, pp. 865-1024.
- JADWISZCZAK, A., 1989. Studies on the Oriental Epilachninae (Coleoptera: Coccinellidae). Polskie Pismo Entomologiczne, Wrocław, 58: 733-744.
- JADWISZCZAK, A., 1990a. On the systematic position of the genus *Subepilachna* Bielawski (Coleoptera: Coccinellidae). Coccinella, 2 (2): 56-57.
- JADWISZCZAK, A., 1990b. New and little known Oriental *Epilachna* Chevrolat species (Coleoptera: Coccinellidae). Polskie Pismo Entomologiczne, Wrocław, 59: 731-742.
- JADWISZCZAK, A. & POKOJOWCZYK, A., 1990. *Paramulsantina* Hoang (Coleoptera: Coccinellidae), a new synonym of the genus *Oenopia* Mulsant. Coccinella, 2 (2): 54-55.
- JADWISZCZAK, A. & PUTZ, A. 1994. Description of two new species of the genus *Epilachna* Dejean, 1837 from Nepal and India (Coleoptera: Coccinellidae). Coccinella, Dresden, 5: 13-17.
- JADWISZCZAK, A. & WĘGRZYNOWICZ, P., 2003. World Catalogue of Coccinellidae. Part I- Epilachninae. Mantis / Olsztyn, Poland. 264 pp.
- JENKINS, C.F.H., 1948. Biological control in Western Australia. Journal of the Royal Society of Western Australia, 32 (1945-1946): 1-17.
- JIANG, Y.-C. & SU, Z.-M., 1985. A discussion on the systematic status of *Verania discolor* (Fabricius) with reference to its food habit. Acta Entomologica Sinica, 28 (1): 115-117.
- JING, X., 1987. A new species and two new records of *Oenopia* Mulsant from China (Coleoptera: Coccinellidae). Acta Zootaxonomica Sinica, 12: 413-414.
- JING, X., 1992. Coleoptera: Coccinellidae, pp. 541-574. In Chen (ed.): Insects of the Hengduan Mountains region. Science Press, Beijing (in Chinese with English summary).
- KAMIYA, H., 1960. A new tribe of Coccinellidae (Coleoptera). Kontyû, 28: 22-26.
- KAMIYA, H., 1961. A revision of the tribe Scymnini from Japan and Loochoos (Col., Cocc.). Journal of the Faculty of Agriculture, Kyushu University, II: 275-332.
- KAMIYA, H., 1963. On a new genus and species of Coccinellidae (Coleoptera) feeding on whiteflies. Mushi, 37: 127-130.
- KAMIYA, H., 1964. On the coccinellida fauna of the Yaeyama group, the Ryukyus (Insecta: Coleoptera) (2nd report). Report, Comm. Foreign Scientific Research, Kyushu University, 2: 145-148.
- KAMIYA, H., 1965a. A revision of the tribe Coccinellini of Japan and the Ryukyus (Coleoptera: Coccinellidae). Memoirs of the Faculty of Liberal Arts, Fukui University, Series II. Natural Sciences, 15: 27-71.
- KAMIYA, H., 1965b. Coccinellid fauna of the Ryukyu Islands, south of the Amami Group (Coleoptera). Kontyû, 33: 97-122.
- KAMIYA, H., 1965c. Tribe Scymnini (Coleoptera: Coccinellidae) from Formosa collected by Prof. T. Shirozu. Special Bulletin of the Lepidopterists' Society of Japan, 1: 75-82.

- KAPUR, A.P., 1942. Bionomics of some Coccinellidae predaceous on aphids and coccids in north India. *Indian Journal of Entomology*, 4: 49-66.
- KAPUR, A.P., 1946. A revision of the genus *Jauravia* Mots. *Annals and Magazine of Natural History*, (11) 13: 73-93.
- KAPUR, A.P., 1948a. The genus *Tetrabrachys* (*Lithophilus*) with notes on its biology and a key to the species (Coleoptera: Coccinellidae). *Transactions of the Royal Entomological Society of London*, 99: 319-339.
- KAPUR, A.P., 1948b. A revision of the tribe Aspidimerini Weise (Coleoptera: Coccinellidae). *Transactions of the Royal Entomological Society of London*, 99: 77-128.
- KAPUR, A.P., 1948c. On the Old World species of the genus *Stethorus* Weise. *Bulletin of Entomological Research*, 39: 297-320.
- KAPUR, A.P., 1949. On the Indian species of *Rodolia* Mulsant (Coleoptera: Coccinellidae). *Bulletin of Entomological Research*, 39: 531-538.
- KAPUR, A.P., 1950. A new species of *Stethorus* Weise from India (Coleoptera: Coccinellidae). *Proceedings of the Royal Entomological Society of London (B)*, 19: 148-149.
- KAPUR, A.P., 1951a. Expedition to South-West Arabia 1937-8. 18. Coleoptera: Coccinellidae. *Bulletin of the British Museum (Natural History), Entomology*, 1: 275-297.
- KAPUR, A.P., 1951b. Further notes on the Indian species of *Rodolia* Mulsant (Coleoptera: Coccinellidae). *Records of the Indian Museum*, 48: 1-7.
- KAPUR, A.P., 1952. A note on *Epilachna ocellata* Redt. (Coleoptera: Coccinellidae), with descriptions of three species hitherto confused with it. *Records of the Indian Museum*, 48(3-4): 17-29.
- KAPUR, A.P., 1956a. Systematic and biological notes on the ladybird beetles predacious on the San Jose scale in Kashmir with description of a new species (Coleoptera: Coccinellidae). *Records of the Indian Museum*, 52 (1954): 257-274.
- KAPUR, A.P., 1956b. A new species of Coccinellidae (Coleoptera) predacious on the citrus whitefly in India. *Records of the Indian Museum*, 52 (1954): 189-193.
- KAPUR, A.P., 1957. Variation in the colour pattern of certain ladybird beetles from high altitudes in the Himalayas. *Bulletin of the National Institute of Sciences of India*, 9: 269-273.
- KAPUR, A.P., 1958. Coccinellidae of Nepal. *Records of the Indian Museum*, 53: 309-338.
- KAPUR, A.P., 1961a. Taxonomic notes on *Epilachna indica* Mulsant and description of a new species related to it (Coleoptera: Coccinellidae). *Proceedings of the Royal Entomological Society of London (Series B, Taxonomy)*, 30(9-10): 133-140.
- KAPUR, A.P., 1961b. A new species of *Stethorus* Weise (Coleoptera: Coccinellidae) feeding on arecanut palm mites in Kerala, southern India. *Entomophaga*, 6: 35-38.
- KAPUR, A.P., 1963a. The Coccinellidae of the third Mount Everest expedition, 1924 (Coleoptera). *Bulletin of the British Museum (Natural History), Entomology*, 14: 1-48.
- KAPUR, A.P., 1963b. Confirmation of the occurrence of the lady beetle, *Coelophora pupillata* (Swartz) (Coccinellidae, Coleoptera), in India and its biological importance. *Science and Culture*, 29: 264.
- KAPUR, A.P., 1963c. The taxonomic status and further description of *Harmonia expallida* Weise (Col., Coccinellidae), feeding on *Adelges* species (Hem., Adelgidae) in North-western India. *Entomophaga*, 3: 199-203.
- KAPUR, A.P., 1963d. A new species of the genus *Jauravia* Mots. from India (Insecta: Coleoptera: Coccinellidae). *Records of the Indian Museum*, 59 [1961]: 71-73.
- KAPUR, A.P., 1964. Zoological results of the Indian Cho-Oyu Expedition in Nepal. Part 9. Insecta. *Records of the Indian Museum*, 59(3): 269-303.
- KAPUR, A.P., 1967. The Coccinellidae (Coleoptera) of the Andamans. *Proceedings of the National Institute of Sciences of India*, 32(B) [1966]: 148-189.
- KAPUR, A.P., 1969. On some Coccinellidae of the tribe Telsimiini with descriptions of new species from India. *Bulletin of Systematic Zoology*, 1(2): 45-56.
- KAPUR, A.P., 1970. Phylogeny of ladybeetles. *Proceedings, 57th Indian Science Congress*, II: 1-14.
- KAPUR, A.P., 1972. The Coccinellidae (Coleoptera) of Goa. *Records of the Zoological Survey of India*, 66: 309-320.
- KAPUR, A.P., 1973. The Coccinellidae (Coleoptera) of the Italian expedition to Karakoram and Hindu Kush. *Records of the Zoological Survey of India*, 67: 373-378.
- KAPUR, A.P. & BHAUMIK, A.R., 1966. A note on the lady-bird beetles (Coleoptera: Coccinellidae) from Rajasthan with first record of *Bulaea lichatschovi* (Hummel) from India. *Records of the Indian Museum*, 59(4): 445-448.

- KAPUR, A.P. & MUNSHI, S., 1965. A new species of the genus *Axinoscymnus* Kamiya (Coleoptera: Coccinellidae) feeding on the whiteflies (Homoptera: Aleurodidae) in India. *Bulletin of Systematic Zoology*, 1: 5-8.
- KAPUR, A.P. & MUNSHI, S., 1970. A new species of *Pullus* Mulsant (Coleoptera: Coccinellidae) predaceous on the aphid, *Rhopalosiphum nymphaeae* (Linn.) in Calcutta. *Records of the Zoological Survey of India*, 62: 1-3.
- KAPUR, A.P. & SUDHA RAO, V., 1962. A new species of ladybird beetle (Col., Coccinellidae) feeding on *Adelges* spp. (Hemiptera: Adelgidae) in North western India. *Entomophaga*, 7: 47-51.
- KHOANG, D.N., 1982. A new tribe of Coccidulinae (Coleoptera: Coccinellidae). In: Medvedev (ed.): *Animal World of Vietnam*, pp. 137-140, Nauka, Moscow (In Russian).
- KORSCHESKY, R., 1931. *Coleopterorum Catalogus. Pars 118. Coccinellidae I.* Berlin, 224pp.
- KORSCHESKY, R., 1932. *Coleopterorum Catalogus. Pars 120. Coccinellidae II.* Berlin, 435pp.
- KORSCHESKY, R., 1934. Entomological investigations on the spike disease of sandal (16). *Coccinellidae*(Col.). *Indian Forest Records*, 19(6), 9 pp.
- KORSCHESKY, R., 1940. Vier neue Coccinelliden der Alten Welt. *Entomologische Blätter*, 36: 1-3.
- KOTWAL, D.R., BHALLA, O.P. & VERMA, A.K., 1984. Natural enemies of cabbage aphid, *Brevicoryne brassicae* (Linn.) in mid-hill regions of Himachal Pradesh. *Indian Journal of Agricultural Sciences*, 54: 1011-1012.
- KOVAR, I., 1996. Phylogeny. In Hodek & Honek (eds.): *Ecology of Coccinellidae*, pp. 19-31. *Series Entomologica*, Vol. 54, Kluwer Academic, Dordrecht.
- KOVAR, I., 1997. Revision of the genera *Brumus* Muls. and *Exochomus* Redtb. (Coleoptera: Coccinellidae) of the Palaearctic region. Part I. *Acta Entomologica Musei Nationalis Pragae*, 44 (1995): 5-124.
- KUGELANN, J.G., 1792-1794. Verzeichniss. der in einigen Gegenden Preussens bis jetztentdeckten Kafer-Arten nebst kurzen Nachriten von denselben. *Neues Mag. Liegh. Entomol.*, 1: 545-546.
- KURISAKI, M., 1923. General review of the Japanese *Scymnus*. *Insect World*, 27: 14-17.
- KÜSTER, H., 1848. *Die Käfer Europas. Heft XIII.*
- KUZNETSOV, V.N., 1997. Lady Beetles of the Russian Far East. *Memoir No. 1, Center for Systematic Entomology*, 248 pp.
- LAL, R. & KANAKAVALLI, S., 1961. The genitalia of some Indian Coccinellidae. *Annals of Zoology*, 3: 69-109.
- LATREILLE, P.A., 1810. *Considérations Générales sur l'Ordre naturel des Animaux composant les classes des Crustacés, des Arachnides et des Insectes.* F. Schoell, Paris.
- LEACH, W.E., 1815. In Brewster: *Articles on Entomology.* *Edinburgh Encyclopaedia*, 9: 57-172.
- LECONTE, J.L., 1850. General remarks upon the Coleoptera of Lake Superior. In Agassiz: *Lake Superior: Its physical character, Vegetation and Animals, Compared with Those of Other and Similar Regions*, pp. 201-242. Boston.
- LECONTE, J.L., 1852. Remarks upon the Coccinellidae of the United States. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 6: 129-145.
- LEFROY, H.M., 1909. *Indian Insect Life.* Agricultural Research Institute, Pusa, India.
- LEWIS, G., 1873. Notes on Japanese Coccinellidae. *Entomologists' Monthly Magazine*, 10: 54-56.
- LEWIS, G., 1896. On the Coccinellidae of Japan. *Annals and Magazine of Natural History*, (6)17: 22-41.
- LI, C.S. & COOK, E.F. 1961. The Epilachninae of Taiwan (Col.: Coccinellidae). *Pacific Insects* 3 (1): 31-91.
- LINNAEUS, C., 1758. *Systema Naturae*, 10th edition. Stockholm, 826 pp.
- LINNAEUS, C., 1767. *Systema Naturae*, 12th edition. Stockholm, 830 pp.
- MADER, L., 1924. Bestimmungs-Tabellender europäischen Coleopteren. 94. Heft. Coccinellidae, Tribus Scymnini. Troppau. 48 pp.
- MADER, L., 1930. Neue Coccinelliden aus Yün-nan und Sze-tschwan (China). *Entomologischer Anzeiger*, 10: 161-166.
- MADER, L., 1931. Zur kenntnis einiger Coccinelliden. *Entomologischer Anzeiger*, 11: 476.
- MADER, L., 1926-1934. Evidenz der paläarktischen Coccinelliden und ihrer aberrationen in Wort und Bild, I-Teil. Epilachnini, Coccinellini, Halyziini und Synonychini. *Zeitschrift des Vereins der Naturbeobachter und Sammler*, Wien, 1926(1): 1-24, 1927(2): 25-48, 1928(3): 49-76, 1929(4): 77-124, 1930(5): 124-168; 1931(6): 169-204; 1932(7): 205-244; 1933(8): 245-288; 1934(9): 289-336.

- MADER, L., 1935-1936. Evidenz der paläarktischen Coccinelliden und ihrer aberrationen in Wort und Bild, I-Teil. Epilachnini, Coccinellini, Halyziini und Synonychini. Entomologischer Anzeiger, 1935(15): 329-372; 1936(16): 373-412.
- MADER, L., 1937. Evidenz der paläarktischen Coccinelliden und ihrer aberrationen in Wort und Bild. Entomologische Nachrichten, Troppau 11: 41-66.
- MADER, L., 1954. Weiteres über Coccinelliden aus der Sammlung des Naturhistorischen Museums in Wien. Koleopterologische Rundschau, 32 (1951-1954): 123-131.
- MADER, L., 1955. Evidenz der paläarktischen Coccinelliden und ihrer Aberrationen in Wort und Bild. 2. Entomologische Arbeiten aus dem Museum G. Frey Tutzing bei Muenchen, 6: 765-1035.
- MATHUR, L.M.L. & SRIVASTAVA, B.K., 1966. On the immature stages of *Stethorus gilvifrons* Mulsant (Coleoptera: Coccinellidae). Beiträge zur Entomologie, 16: 311-316.
- MIWA, Y., 1931. A systematic catalogue of Formosan Coleoptera. Report of the Department of Agriculture, Government Research Institute, Taihoku, 55: 1-359.
- MIWA, Y. & YOSHIDA, T., 1935. Catalogue of Japanese Insects, fasc. 9, Coccinellidae. The Entomological World 3: 32-53.
- MIYATAKE, M., 1961a. The East-Asian Coccinellid beetles preserved in the California Academy of Science, tribe Platynaspini. Memoirs of the Ehime University, (6) 6: 67-86.
- MIYATAKE, M., 1961b. The East-Asian coccinellid beetles preserved in the California Academy of Sciences, tribe Hyperaspini. Memoirs of the Ehime University (6) 6: 147-155.
- MIYATAKE, M., 1961c. A new genus of the Coccinellidae from Japan and the Ryukyu Islands (Coleoptera). Memoirs of the Ehime University (6) 6: 127-133.
- MIYATAKE, M., 1965. Some Coccinellidae (excluding Scymnini) of Formosa (Coleoptera). Special Bulletin of the Lepidopterists' Society of Japan, 1: 50-74.
- MIYATAKE, M., 1967. Notes on some Coccinellidae from Nepal and Darjeeling district of India (Coleoptera). Transactions of the Shikoku Entomological Society, 9: 69-78.
- MIYATAKE, M., 1969. The genus *Plotina* and related genera (Coleoptera: Coccinellidae). Pacific Insects, 11(2): 197-216.
- MIYATAKE, M., 1970a. The East-Asian coccinellid beetles preserved in the California Academy of Sciences. Tribe Chilocorini. Memoirs of the College of Agriculture, Ehime University, 14 (3): 19-56.
- MIYATAKE, M., 1970b. Two new species of the genus *Phaenochilus* Weise from South India (Coleoptera: Coccinellidae). Transactions of the Shikoku Entomological Society, 10: 111-115.
- MIYATAKE, M., 1972. A new formosan species belonging to the genus *Singhikalia* Kapur, with proposal of a new tribe (Coleoptera: Coccinellidae). Transactions of the Shikoku Entomological Society, 11(3): 92-98.
- MIYATAKE, M., 1976. Descriptions of five new species of the genus *Horniolus* Weise of south east Asia (Coleoptera: Coccinellidae). Transactions of the Shikoku Entomological Society, 13 (1-2): 29-37.
- MIYATAKE, M., 1985. Coccinellidae collected by the Hokkaido University Expedition to Nepal Himalaya, 1968 (Coleoptera). Insecta Matsumurana (New Series), 30: 1-33.
- MIYATAKE, M., 1994. Revisional studies of Asian genera of the subfamily Sticholotidinae (Coleoptera: Coccinellidae). Memoirs of the College of Agriculture-Ehime University, 38 (2): 223-293.
- MOTSCHULSKY, V., 1858. Insectes des Indes Orientales. Etudes Entomologiques, 7: 117-122.
- MOTSCHULSKY, V., 1859. Entomologie appliquée. Insectes utiles et nuisibles. Etudes Entomologiques, 8: 170-174.
- MOTSCHULSKY, V., 1860. Insectes du Japon. Etudes Entomologiques, 9: 4-41.
- MOTSCHULSKY, V., 1866. Essai d'un Catalogue des Insectes de l'île de Ceylan. Supplement. Bulletin de la Societe Imperiale des Naturalistes de Moscou, 39(1): 393-446.
- MOTSCHULSKY, V., 1868. Genres et especes d'insectes publies dans differents ouvrages. Horae Societatis Entomologicae Rossicae, 6: 84-86 (supplement).
- MULSANT, E., 1846. Securipalpes. Histoire Naturelle des Coleopteres de France. Vol. 4. 380 pp., 1 pl., Paris.
- MULSANT, E., 1850. Species des Coléoptères trimères securipalpes. Annales des Sciences Physiques et Naturelles, d'Agriculture et d'Industrie, Lyon, (2) 2: 1-1104.
- MULSANT, E., 1853a. Supplément à la monographie des coléoptères trimères securipalpes. Annales de la Société Linnéenne de Lyon (N.S.), 1: 129-333.
- MULSANT, E., 1853b. Supplement a la monographie des Coléoptères trimères securipalpes. Opuscules Entomologiques, 3: 1-178.
- MULSANT, E., 1866. Monographie des Coccinellides. 1^{re} partie Coccinelliens. Paris, 294 pp.

- NAGARAJA, H. & HUSSAINY, S.U., 1967. A study of six species of *Chilocorus* (Coleoptera: Coccinellidae) predaceous on San Jose and other scale insects. *Oriental Insects*, 1: 249-256.
- NAGARKATTI, S. & GHANI, M.A., 1972. Coleoptera: Coccinellidae, pp. 58-89. In Rao & Ghani (eds.): Studies on the predators of *Adelges* spp. in the Himalayas. Miscellaneous Publication No. 3, Commonwealth Institute of Biological Control, Trinidad. 116 pp.
- NAKANE, T. & ARAKI, M., 1959. Entomological results from the scientific survey of the Tokara Islands. VI. Coleoptera: Coccinellidae. *Scientific Reports of Kyoto Prefectural University (Natural and Living Science)* 3A: 45-52.
- OHTA, Y., 1929. Scymninen Japans. *Insecta Matsumurana*, 4: 1-16.
- OLIVIER, A.G., 1808. Entomologie, ou Histoire Naturelle des Insectes, avec leurs caractères génériques et spécifiques, leur description, leur synonymie, et leur figure enluminée. Coléoptères. VI Nr. 89: 613-1104.
- OLLIFF, S., 1895. Entomological notes-A friendly new ladybird. *Agricultural Gazette of New South Wales*, 6: 30-31.
- PADMALATHA, C. & SINGH, A.J.A.R., 1998. Aphidophagous coccinellids on *Pentalonia nigronervosa*, a vector of bunchy top virus in the banana plants of southwest India. *Tropical Ecology*, 39: 239-242.
- PAJNI, H.R. & SINGH, J., 1982. A report on the family Coccinellidae of Chandigarh and its surrounding areas (Coleoptera). *Research Bulletin (Science) of the Panjab University*, 33: 79-86.
- PAJNI, H.R. & VERMA, S., 1985. Studies on the structure of the male genitalia in some Indian Coccinellidae (Coleoptera). *Research Bulletin (Science) of the Panjab University*, 36: 195-201.
- PALLAS, P.S., 1773. Appendix ad iter. T. III. 4°.
- PANG, X. & GORDON, R. D., 1984. Lectotype designations and new synonymy in Oriental Scymnini (Col., Cocc.). *The Coleopterists' Bulletin*, 38: 131-135.
- PANG, X. & GORDON, R. D., 1986. The Scymnini (Coleoptera: Coccinellidae) of China. *The Coleopterists Bulletin*, 40: 157-199.
- PANG, X.F. & MAO, J.L., 1975. Important natural enemies of tetranychid mites-*Stethorus* Weise. *Acta Entomologica Sinica*, 18 (4): 294-304.
- PANG, X.F. & MAO, J.L., 1979. Coleoptera: Coccinellidae, II. *Khongguo Jingi Kunchang Zhi*, 14: 1-170.
- PANG, X. & YU, G., 1991. Emendations of "The Scymnini (Col. Cocc.) of China". *Coccinella*, 3 (1): 5.
- PANG, X. & YU, G., 1993. Validity of *Scymnus* (*Parapullus*) Yang with description of a new species (Coleoptera: Coccinellidae) from Taiwan. *The Coleopterists' Bulletin*, 47 (3): 228-231.
- PARASURAMAN, S., 1989. Predatory coccinellids in rice fields at Agricultural College and Research Institute, Madurai. *International Rice Research Newsletter* 14: 6, 30.
- PODA, N.J., 1761. *Insecta Musei Graecensis*. 8°.
- PODDAR, S.C. & GHOSH, A.K., 1984. Bionomics of an aphidophagous coccinellid predator, *Pseudaspidimerus circumflexa* (Motschulsky) (Coccinellidae: Aspidimerini). *Records of the Zoological Survey of India*, 81 (3-4): 67-76.
- PONG, X., 1984. Redescription of *Scymnus* (*Pullus*) *posticalis* Sicard (Coleoptera: Coccinellidae). *Kunchong Tiandi*, 6 (4): 253-254.
- PONTOPPIDAN, E., 1763. *Det Danske Atlas*. 4°. Kjöb.
- POORANI, J., 1999. A new species of *Serangium* Blackburn (Coleoptera: Coccinellidae), with a key to species from India. *Journal of Biological Control*, 12 (1998): 55-61.
- POORANI, J., 2000. First record of the genus *Microserangium* Miyatake (Coleoptera: Coccinellidae) from India, with description of a new species. *Journal of Biological Control*, 14: 45-47.
- POORANI, J., 2001. A review of the genus *Pseudaspidimerus* Kapur (Coleoptera: Coccinellidae) of the Indian region, with description of a new species. *Oriental Insects*, 35: 299-310.
- POORANI, J. 2002a. An annotated checklist of the Coccinellidae (Coleoptera) (excluding Epilachninae) of the Indian subregion. *Oriental Insects* 36: 307-383.
- POORANI, J. 2002b. A review of the genus *Oenopia* Mulsant (Coleoptera: Coccinellidae) from the Indian subcontinent, with description of a new species. *Oriental Insects* 36: 97-116.
- POORANI, J., 2003a. A new species of *Telsimia* Casey (Coleoptera: Coccinellidae) from Karnataka, India. *Entomon* 28 (1): 51-53.
- POORANI, J., 2003b. A new species of *Protoplotina* Miyatake (Coleoptera: Coccinellidae) from India. *Zootaxa* 325: 1-5.
- POORANI, J., 2003c. A new species of the genus *Synonymorphia* Miyatake (Coleoptera: Coccinellidae) from South India. *Zootaxa* 212: 1-6.

- POPE, R.D., 1962. A review of the Phariini (Coleoptera: Coccinellidae). *Annals and Magazine of Natural History*, 13 (4): 627-640.
- POPE, R.D., 1987. The Coccinellidae (Coleoptera) described by C. P. Thunberg. *Entomologica Scandinavica*, 18 (1): 51-66.
- POPE, R.D., 1989. A revision of the Australian Coccinellidae (Coleoptera). Part 1. Subfamily Coccinellinae. *Invertebrate Taxonomy*, 2 [1988]: 633-735.
- POPE, R.D., 1992. The authorship of certain genera first defined in the catalogues of Dejean. *Coccinella*, 4 (1-2): 17-18.
- PUTTARUDRIAH, M., CHANNABASAVANNA, G.P. & KRISHNAMURTI, B., 1952. Discovery of *Cryptolaemus montrouzieri* Mulsant (Coccinellidae, Coleoptera, Insecta) in Bangalore, South India. *Nature*, 169: 377.
- RAO, V.P, GHANI, M.A., SANKARAN, T. & MATHUR, K.C., 1971. A review of the biological control of insects and other pests in south-east Asia and the Pacific region. Technical Communication No. 6, Commonwealth Institute of Biological Control, Trinidad.
- RAO, Y.R. & CHERIAN, M.C., 1944. The fluted scale, *Icerya purchasi* Mask., as a pest of wattle in South India and its control by the biological method. *Indian Journal of Entomology*, 10 (2): 205-207.
- RHAMHALINGHAN, M., 1989. Studies on *Coelophora bissellata* Muls. (Coleoptera: Coccinellidae). 1. Field recognition of different larval instars and the traits of pupae and adults. *Journal of the Bombay Natural History Society* 86 (1): 114-117.
- REDTENBACHER, L., 1844. *Tentamen Dispositionis Generum et Specierum Coleopterorum Pseudotrimerorum Archiducatus Austriae. Vindobanae*, 32 pp.
- RICHARDS, A.M., 1983. The *Epilachna vigintioctopunctata* complex (Coleoptera: Coccinellidae). *International Journal of Entomology*, 25 (1): 11-41.
- RICHERSON, J.V., 1970. A world list of parasites of Coccinellidae. *Journal of the Entomological Society of British Columbia*, 67: 33-48.
- ROSSI, P., 1792-1794. *Mantissa Insectorum. Exhibens species nuper in Etruria collectas a Petro Rossio. Posa, Polloni*, 154 pp.
- RYBAKOW, G., 1889. *Insecta in itinere cl. N. Przewalski in Asia Centrali Novissimehecta. XIV. Chrysomelidae et Coccinellidae. Horae Societatis Entomologicae Rossicae*, 23: 286-290.
- RYE, E.C., 1873. *Insecta*. In: *Zoological Record*, 1873, Vol. 8. John van Voorst, London.
- SAMWAYS, M.J., 1989. Climate diagrams and biological control: an example from the areography of the ladybird *Chilocorus nigritus* (Fabricius, 1798) (Insecta, Coleoptera, Coccinellidae). *Journal of Biogeography*, 16: 345-351.
- SAMWAYS, M.J., OSBORN, R., HASTINGS, H. & HATTINGH, V., 1999. Global climate change and accuracy of prediction of species' geographical ranges: establishment success of introduced ladybirds (Coccinellidae, *Chilocorus* spp.) worldwide. *Journal of Biogeography*, 26: 795-812.
- SANKARAN, T., 1974. Natural enemies introduced in recent years for biological control of agricultural pests in India. *Indian Journal of Agricultural Sciences*, 44 (7): 425-433.
- SASAJI, H., 1967. A revision of the Formosan Coccinellidae. 1. The subfamily Sticholotinae, with establishment of a new tribe (Coleoptera). *Etizenia*, 25: 1-28.
- SASAJI, H., 1968a. Phylogeny of the family Coccinellidae (Coleoptera). *Etizenia*, 35: 1-37.
- SASAJI, H., 1968b. Coccinellidae collected in the paddy fields of the Orient, with descriptions of new species (Coleoptera). *Mushi*, 42: 119-132.
- SASAJI, H., 1971. *Fauna Japonica. Coccinellidae* (Insecta: Coleoptera). Academic Press of Japan. 340 pp.
- SASAJI, H., 1974. Identity of *Scymnus hilaris* auct. (Coleoptera: Coccinellidae) in Japan. *Kontyû*, 42: 202-203.
- SASAJI, H., 1977. Larval characters of Asian species of the genus *Harmonia* Mulsant. *Memoirs of the Faculty of Education, Fukui University Series II*, 27 (1): 1-17.
- SASAJI, H., 1981. Biosystematics of *Harmonia axyridis* complex (Coleoptera: Coccinellidae). *Memoirs of the Faculty of Education, Fukui University Series II*, 30: 59-79.
- SASAJI, H., 1982. A revision of the Formosan Coccinellidae (III), subfamily Coccinellinae (Coleoptera). *Memoirs of the Faculty of Education, Fukui University, Series II (N.S.)* 31 (1): 1-49.
- SASAJI, H. & AKAMATSU, M., 1979. Reproductive continuity and genetic relationships in the forms of the genus *Menochilus* (Coleoptera: Coccinellidae). *Memoirs of the Faculty of Education, Fukui University Series II*, 29 (2): 1-18.
- SASAJI, K. & TSUBOKAWA, K., 1983. Supplementary descriptions of the coccinellid larvae of Japan (Coleoptera). *Memoirs of the Faculty of Education, Fukui University Series II*, 32 (2): 33-66.

- SASAJI, H., TAHARA, R. & SAITO, M., 1975. Reproductive isolation and species specificity in two lady birds of the genus *Propylea* (Coleoptera). Memoirs of the Faculty of Education, Fukui University, Series II (N.S.), 25 (3): 13-34.
- SAVOJSKAJA, G.I., 1963. The larvae of the Coccinellidae genera *Semiadalia* Crotch, *Hippodamia* Muls., *Adonia* Muls., *Anisosticta* Dup. (Coleoptera, Coccinellidae). Trudy Instituta Zoologii Akademii Nauk Kazakhskoi SSR 21: 74-95.
- SCHAEFER, P.W. & SEMYANOV, V.P., 1992. Arthropod parasites of *Coccinella septempunctata* (Coleoptera: Coccinellidae); world parasite list and bibliography. Entomological News, 103 (4): 125-134.
- SCHNEIDER, D. H., 1792. Neustes Magazin für die Liebhaber der Entomologie. Volume 2. Stralsund und Leipzig, Struck, pp. 128-256.
- SCHÖNHERR, C.J., 1808. Synonymia Insectorum. Vol. 1 (2). Stockholm.
- SCRIBA, L.G., 1790. Journal für die Liebhaber der Entomologie. Part II. Frankfurt: 97-192.
- SEMENOW, A., 1895. Coleoptera Asiatica nova. III. Horae Societatis Entomologicae Rossicae, 29: 125-144.
- SEMENOW, A., 1900. Coleoptera Asiatica nova. Horae Societatis Entomologicae Rossicae, 34: 577-605.
- SHANTIBALA, K. & SINGH, T.K., 1991. Studies on the vertical distribution of aphidophagous coccinellids (Coleoptera: Coccinellidae) of Manipur and Nagaland. Journal of Aphidology, 5: 39-43.
- SICARD, A., 1907a. Coleopteres Coccinellides du Japon, recueillis par MM. Harmand et Gallois. Liste et description d'especes nouvelles. Bulletin du Museum National d'Histoire Naturelle, Paris, 1907: 211.
- SICARD, A., 1907b. Descriptions d'une nouvelle espece de Coccinellide palearctique (Col.). Bulletin de la Société Entomologique de France, 5: 67-68.
- SICARD, A., 1907c. Notes sur quelques Coccinellides palearctiques (Col.). Bulletin de la Société Entomologique de France, 5: 132-136.
- SICARD, A., 1909. Revision des Coccinellides de la faune Malgache. Annales de la Société Entomologique de France, 78: 63-165.
- SICARD, A., 1911. Espèces et variétés nouvelles des Coccinellides de l'Inde (Coleoptera) appartenant a la collection de M. Andrewes (de Londres). Annales de la Société Entomologique de France, 79 [1910]: 377-389.
- SICARD, A., 1912. Description d'especes et variétés nouvelles de Coccinellides de la collection de Deutsche Entomologisches Museum de Berlin-Dahlem. Archiv für Naturgeschichte 78 (A6): 129-138.
- SICARD, A., 1913. Notes sur quelques Coccinellides de l'Inde et de Birmanie appartenant à la collection de M. Andrewes, de Londres et description d'espèces et de variétés nouvelles. Annales de la Société Entomologique de France, 81 [1912]: 495-506.
- SICARD, A., 1925. Descriptions de Coccinellides appartenant a la Collection de M. Andrewes, de Londres. Annals and Magazine of Natural History, (9) 15: 447-449.
- SICARD, A., 1928. Description de quelques espèces nouvelles de Coccinellides. Annals and Magazine of Natural History, (10) 1: 299-301.
- SICARD, A., 1929a. Descriptions de quelques especes nouvelles de Coccinellides de la faune Indo-Malaise. Annals and Magazine of Natural History, (10) 3: 179-184.
- SICARD, A., 1929b. Descriptions d'especes nouvelles de Coccinellidae. Annals and Magazine of Natural History, (10) 4: 515-524.
- SINGH, S.P., 1994. Biological suppression of sugarcane pests. In Fifteen Years of AICRP on Biological Control, pp. 15-48. Technical Bulletin No. 8, Project Directorate of Biological Control, Bangalore, India.
- SINGH, T. & PHALOURA, S.P.S., 1990. A field key to the larvae of four spp. of genus *Harmonia* Mulsant (Coleoptera: Coccinellidae). Journal of Entomological Research, 14: 89-90.
- SINGH, K.C. & SINGH, T.K., 1991. Aphidophagous coccinellids of northeastern India: Mizoram II. Journal of Advanced Zoology, 12: 131-134.
- SINGH, T. & SINGH, V.K. 1990. Four new species of genus *Epilachna* Chevrolat (Epilachninae: Coccinellidae: Coleoptera) from India. Entomon 15 (1-2): 27-35.
- SMIRNOFF, W., 1956. Les *Pharoscygnus* (Coléoptères Coccinellidae). Service de la defense des vegetaux, Travaux originaux, Rabat, No. 9, 38 pp.
- SMIRNOFF, W.A., 1973. Guia practica para la identificacion de las especes palearticas del genero "*Scymnus*" (Coleoptera: Coccinellidae). Boletin de la Estacion Central de Ecologia, (II) 4: 51-88.

- SMITH, S.G., 1965. Cytological species separation in Asiatic *Exochomus* (Coleoptera: Coccinellidae). Canadian Journal of Genetics and Cytology, 7: 363-373.
- SOLSKY, S., 1872. Coléoptères de la Sibérie Orientale. Horae Societatis Entomologicae Rossicae, 8: 232-277.
- STEBBING, E.P., 1904. On the life history of a new *Monophlebus* from India, with a note on that of a *Vedalia* predaceous on it. Journal of the Linnaean Society of London, 29: 142-161.
- STEPHENS, J.F., 1834. Illustrations of British Entomology. T.4, 8^o.
- STURM, J. 1843. Catalog der Kaefer-Sammlung. Gedruckt auf Kosten des Verfassers, Nürnberg. xii+386 pp.
- SUBRAMANIAM, T.V., 1924a. Some Coccinellids of South India. In Fletcher (ed.): Report of the Proceedings of the Fifth Entomological Meeting held at Pusa, pp. 108-118.
- SUBRAMANYAM, T.V., 1924b. A note on colour variations in a common ladybird beetle, *Chilomenes sexmaculata* Fb. In Fletcher (ed.): Report of the Proceedings of the Fifth Entomological Meeting held at Pusa, pp. 363-36.
- SUDHA RAO, V., 1962. The status of *Coccinella septempunctata* L. and its varieties *divaricata* Oliv. and *confusa* Wied. Canadian Entomologist, 94: 1341-1343.
- TAKIZAWA, M., 1917. Transactions of the Sapporo Natural History Society 6: 333.
- THOMSON, C.G., 1859. Skandinaviens Coleoptera. Vol. 1. Tom. Lund, p. 160.
- THUNBERG, C.P., 1781. Dissertatio Entomologica. Novas insectorum Species sistens, pars 1.-28pp., 1 pl., Upsaliae.
- THUNBERG, C.P., 1820. Coleoptera Capensis Antennarum clava solida et perfoliata. Memoires de l'Academie Imperiale des Sciences de Saint Petersburg, 7: 362-372.
- TIMBERLAKE, P.H., 1943. The Coccinellidae or lady beetles of the Koebele collection-Part I. Hawaiian Planters' Record, 47: 1-67.
- TIMOFEEVA, T.V. & HOANG, D.N., 1978. Morphological and biological characteristics of the Indian coccinellid, *Serangium parcesetosum* Sicard (Coleoptera: Coccinellidae)-a predator of the citrus whitefly in Adzharia. Entomologicheskoe Obozrenie, 57: 302-308.
- VANDENBERG, N., 1996. Notes on *Oenopia* Mulsant (Coleoptera: Coccinellidae). Proceedings of the Entomological Society of Washington, 98 (3): 385-389.
- VANDENBERG, N.J. 2002. The New World genus *Cycloneda* Crotch (Coleoptera: Coccinellidae: Coccinellini): Historical review, new diagnosis, new generic and specific synonyms, and an improved key to North American species. Proceedings of the Entomological Society of Washington, 104 (1): 221-236.
- VANDENBERG, N. & GORDON, R.D., 1991. Farewell to *Pania* Mulsant (Coleoptera: Coccinellidae): a new synonym of *Propylea* Mulsant. Coccinella, 3: 30-35.
- VARMA, B.K., 1954. Evolution of colour pattern in *Coccinella septempunctata* Linn., var. *divaricata* Oliv. Indian Journal of Agricultural Sciences, 24: 133-136.
- VAZIRANI, T.G., 1982. *Sukunahikona popei* sp. n. (Coleoptera: Coccinellidae) feeding on scale insects (Hemiptera: Diaspididae) infesting coconut palms in Gujarat, India. Bulletin of Entomological Research, 72: 29-32.
- VAZIRANI, T.G., 1983. *Sticholotis chittagongi* sp. n. (Coleoptera: Coccinellidae), a predator on aphids on Ziziphus in Bangladesh. Bulletin of Entomological Research, 73: 301-303.
- WADHI, S.R. & PARSHAD, B., 1980. Some new records of Coccinellidae from Nepal Himalayas. Bulletin of Entomology, 21: 144-147.
- WADHI, S.R. & PARSHAD, B., 1982. Some new records of Coccinellidae from Sikkim state. Bulletin of Entomology, 23: 5-8.
- WALKER, F., 1859. Characters of some apparently undescribed Ceylon insects. Annals and Magazine of Natural History, (3) 4: 217-224.
- WANG, H. & CAO, CH., 1993. Studies on the systematic position and generic relationships of the tribe Epilachnini (Coleoptera: Coccinellidae) from Yunnan. Zoological Research, 14 (2): 118-127.
- WATSON, W.Y., 1956. A study of the phylogeny of the genera of the tribe Coccinellini (Coleoptera). Contributions of the Royal Ontario Museum, Division of Zoology and Palaeontology, 42: 1-52.
- WEI, J., RAN, R., WANG, C. ET AL., 1985. Coccinellidae (Coleoptera) of Shaanxi. Shaanxi Science and Technology Publishing House, Xi'an. 97 pp.
- WEISE, J., 1879. Beiträge zur Käfer fauna von Japan. Deutsche Entomologische Zeitschrift, 23: 149-152.
- WEISE, J., 1885a. Beschreibung einiger Coccinelliden. Stettiner Entomologische Zeitung, 46: 227-242.
- WEISE, J., 1885b. Bestimmungs-Tabellen der europäischen Coleopteren. II. Heft. Coccinellidae. II. Auflage mit Berücksichtigung der Arten aus dem nördlichen Asien. Modling. 83 pp.

- WEISE, J., 1887. Neue sibirische Chrysomeliden und Coccinelliden. Archiv für Naturgeschichte, (2) 53: 164-214.
- WEISE, J., 1889. Insecta a Cl.G.N.Potantin in China et in Mongolia novissime lecta. IX. Chrysomelidae et Coccinellidae. Horae Societatis Entomologicae Rossicae, 23: 560-653.
- WEISE, J., 1891. Neue Coccinelliden. Deutsche Entomologische Zeitschrift, 1891: 282-288.
- WEISE, J., 1892. Les Coccinellides du Chota-Nagpore. Annales de la Société Entomologique du Belgique, 36: 16-30.
- WEISE, J., 1895a. Insectes du Bengale. Coccinellidae. Annales de la Société Entomologique du Belgique, 1895: 151-157.
- WEISE, J., 1895b. Neue Coccinelliden sowie Bemerkungen zu bekannten Arten. Annales de la Société Entomologique du Belgique, 1895: 120-146.
- WEISE, J., 1895c. Ueber die mit *Novius* Muls., verwandten Gattungen. Annales de la Société Entomologique du Belgique, 1895: 147-150.
- WEISE, J., 1895d. Deutsche Entomologische Zeitschrift, 1895: 326.
- WEISE, J., 1897. Coccinellen aus Ostafrika (Usambara). Deutsche Entomologische Zeitschrift, 41: 289-304.
- WEISE, J., 1898. Ueber bekannte und neue Coccinelliden. Archiv für Naturgeschichte, Band I, LXIV: 225-238.
- WEISE, J., 1899. Coccinelliden aus Deutsche-Ostafrika. Archiv für Naturgeschichte, Band I, LXV: 49-70.
- WEISE, J., 1900a. Coccinelliden aus Ceylon gesammelt von Dr. Horn. Deutsche Entomologische Zeitschrift, 44: 417-448.
- WEISE, J., 1900b. Beschreibungen africanischer Chrysomeliden nebst synonymischen Bemerkungen. Deutsche Entomologische Zeitschrift, 44: 449-459.
- WEISE, J., 1901a. Contribution a l'etude de la faune entomologique de Sumatra (Chasses de M.J.-L.Weyers) xv^e article. Coccinellides. Annales de la Société Entomologique du Belgique, 45: 91-96.
- WEISE, J., 1901b. Neue Coccinelliden. Annales de la Société Entomologique du Belgique, 45: 273-285.
- WEISE, J., 1902. Coccinelliden aus der Sammlung des ungarischen National Museums. Természetráji Füzetek, 25: 489-520.
- WEISE, J., 1903. Neue Coccinelliden. Deutsche Entomologische Zeitschrift, 1903: 229-232.
- WEISE, J., 1905. Ueber Coccinelliden. Deutsche Entomologische Zeitschrift, 1905: 217-220.
- WEISE, J., 1907. Kleine Mitteilungen und synonymische Bemerkungen. Entomologische Zeitung, Wien, 26: 13-15.
- WEISE, J., 1908. Coleopteren aus Ostindien. Stettiner Entomologische Zeitung, 69: 213-230.
- WEISE, J., 1909. Hispinen und Coccinelliden aus Madagaskar. Archiv für Naturgeschichte, Band I 75: 111-125.
- WEISE, J., 1910a. Chrysomeliden und Coccinelliden. Brünn Verhandlungen des Naturforschenden Vereines, 48 (1909): 25-53.
- WEISE, J., 1910b. Über Chrysomeliden und Coccinelliden der Philippinen. Philippine Journal of Science, 229-232.
- WEISE, J., 1912. Über Hispinen und Coccinelliden. Archiv für Naturgeschichte, 78: 101-120.
- WEISE, J., 1922. In Entomologische Zeitung, Wien, 39: 104.
- WEISE, J., 1923. H.Sauter's Formosan-Ausbeute: Coccinelliden. Archiv für Naturgeschichte, 89(A) 2: 182-189.
- WESTWOOD, J.O., 1838-40. An Introduction to the Modern Classification of insects, founded on the natural habits and corresponding organization of the different families. Vol. 1, London. 462 pp.
- WIEDEMANN, C.R.G., 1823. Zoological Magazine, II: 72.
- YABLOKOV-KHNZORIAN, S.M., 1970. New species of beetles from Armenia and other lands of USSR (Insecta, Coleoptera). Zoologicheskii Sbornik Erevan, 15: 50-80.
- YABLOKOV-KHNZORYAN, S.M., 1977. A new species of ladybeetle from India (Coleoptera: Coccinellidae). Doklady Akademii Nauk Armyanskoi SSR, 64 (1): 61-63.
- YANG, C.T., 1978. *Scymnus* (subgenus *Pullus*) (Coleoptera: Coccinellidae) from Taiwan. Plant Protection Bulletin (Taiwan), 20 (2): 106-116.
- YU, G., 1996. A list on *Stethorus* Weise (Coleoptera: Coccinellidae) from China with description of a new species. Entomotaxonomia, 18: 32-36.
- YU, G., 1998. Notes on the genus *Alloneda* Iablokoff-Khnzorian with description of a new species (Coleoptera: Coccinellidae). Zoological Studies, 37 (4): 282-285.

- YU, G., 2000. *Amida* Lewis, with description of a new species (Coleoptera: Coccinellidae) from China. *Zoological Studies*, 39 (1): 23-27.
- YU, G. & PANG, X., 1992. A review of Chinese *Scymnus* Kugelann (Coleoptera: Coccinellidae). *Journal of the South China Agricultural University*, 13 (4): 39-47.
- YU, G. & WANG, H.Y., 1999. Guidebook to lady beetles of Taiwan. Shih Pui Ni, Taipei, 213 pp. (bilingual, in English and Chinese).
- YU, G., MONTGOMERY, M.E. & YAO, D., 2000. Lady beetles (Coleoptera: Coccinellidae) from Chinese hemlocks infested with the hemlock woolly adelgid, *Adelges tsugae* Annand (Homoptera: Adelgidae). *The Coleopterists' Bulletin*, 54 (2): 145-199.