

An updated Check-list of the Hover-flies (Diptera—Syrphidae) recorded in the Indian subcontinent¹

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Abstract. Some 553 species of hover-flies, of 114 genera, have so far been recognized, recorded, and so listed, from the limits of the Indian subcontinent here. Of these, 60 species and seven genera, have not been formally named and described, though recognized as new and unnamed species, or as *species incertae sedis* or *species nomina nuda*. Hence, only 493 species of 107 genera in 14 Tribes and 3 Subfamilies can be currently considered valid in the Indian subregion, of the Oriental biogeographical region. The subcontinent is coincidental with the Indian subregion, i.e., from Afghanistan east through Pakistan, India, Nepal, Bhutan, and Bangladesh to Burma, and from Kashmir and SE. Tibet to Sri Lanka and the Laccadive and Maldivian islands, and the Chagos archipelago in the Indian Ocean. Incidentally, note that most of this subregion's land area is occupied and traversed by the nation of India. *Indosyrphus* Kohli, Kapoor & Gupta, 1988 is synonymised as a *Xanthandrus* Verrall, 1901, **syn. nov.** and *Xanthandrus garhwalensis* Kohli, Kapoor & Gupta, 1988 is a **comb. nov.** *Pseudomeromacrus* Li, 1994 is a new synonym of *Merodonoides* Curran, 1932, **syn. nov.** *Eristalis yamunanagarensis* Awtar Singh, Sodhi & Gupta, 1986, and *Pseudomeromacrus setipennis* Li, 1994 are new synonyms of *Merodonoides multifarius* Walker, 1852, **syn. nov.**, **comb. nov.** *Milesia querini* Ghorpadé is proposed as **nom. nov.**, for *gigas* Querin, 1834, not Rossi, 1790. *Paragus* (*Paragus*) *femoratus* Kohli, Kapoor & Gupta, 1988 is a new synonym of *Serratoparagus serratus* Fabricius, 1805, **syn. nov.** *Baccha* (*Baccha*) *bistriata* Kohli, Kapoor & Gupta, 1988 is here synonymized with *Episyrphus viridaureus* Wiedemann, 1824, **syn. nov.**, **comb. nov.** *Paractophila* [sic !] *bengalensis* Kohli, Kapoor & Gupta, 1988 is synonymized with *Paractophila oberthueri* Hervé-Bazin, 1914, **syn. nov.** *Helophilus sharpi* Kohli, Kapoor & Gupta, 1988 is transferred to *Mesembrius* Rondani, 1857, **comb. nov.** Lastly, *Baccha plumbicincta* Brunetti, 1915, is here confirmed as a *Baccha* s. str. — all of the above are based on my type examinations.

Introduction

The Indian subregion (= subcontinent) has a total of some 553 species in 114 genera recorded until now, and here below arranged hierarchically in 3 Subfamilies, and 14 Tribes. Of these, 7 genera and 60 species are, however, either *nomina nuda*, *incertae sedis*, or yet unnamed, pending future naming and description, thus giving a correct number of only 107 genera and 493 species definitely recorded, named and described from the Indian subcontinent. Note that the 272 species from the North-West Frontier of this subcontinent (Ghorpadé, *in prep.*) make up almost exactly one half of this fauna! Similar papers on the Syrphidae of the North-eastern Indian subcontinent and, lastly, on those of Dravidia (Central+Peninsular India and Sri Lanka) are also currently under preparation, and all of these should be consulted for more details. These will lead to a revision of Brunetti's (1923) FAUNA OF BRITISH INDIA, Syrphidae volume, the ultimate target, ambition, and goal of mine.

A little over 150 years have gone by since Enrico Brunetti (1862-1927) was born. He wrote the *Fauna of British India* volume on the Syrphidae in 1923 (which was also inclusive of Pipunculidae, Conopidae and Oestridae) which is still the prime detailed reference on the

¹This paper is dedicated to and created in honour of Dr Frederick Christian Thompson (U.S.A.) to celebrate his 70th birthday, which just passed us by on 24th April. It is acknowledgement of the initial encouragement and support (as literature gifts, specimen loans, advice *in litt.*, funds) generously supplied by Chris from December 1972, when I was pursuing my Master's degree at Bangalore and had written to him then for help. His continuing support since, critical assistance and scientific advice in all matters taxonomic about Syrphidae has helped me with whatever special quality research I have been able to achieve and document, over the past 40 years, on Indian and other, mainly Oriental, Syrphidae.

hover-flies known from the Indian subcontinent, which then numbered 245 species in 51 genera. Knutson *et al.* (1975) then updated the taxonomy and nomenclature, and compiled a *Catalog of Oriental Syrphidae*, which increased the Indian subregion count to 312 species, in 71 genera. Thompson & Ghorpadé (1992) reviewed the Oriental Paragini, and Ghorpadé (1994) gave diagnostic keys to all 28 genera and 111 species of Indian subcontinent Syrphini then recognized and known, naming and diagnosing 40 new species and erecting 2 new genera, this based on my doctoral thesis research during 1974-1981 (Ghorpadé, 1981b) at the University of Agricultural Sciences, Bangalore (India), and my further postdoctoral research, supported by a fellowship tenure, at the Smithsonian Institution, Washington, DC (U.S.A.) in 1982 and 1983, with Drs Lloyd Knutson, Wayne Mathis and Chris Thompson as advisors. An updated Conspectus of Oriental—Papuan Syrphidae is currently under preparation by Ghorpadé, Mengual & Thompson (*in prep.*).

These hover-flies, or flower-flies, are one of the more popular groups of Diptera, and are collected and studied by amateur entomologists in Europe, North America and elsewhere, where the classical, 'Victorian,' British tradition of the 'hobby naturalist' still exists (*cf* Ghorpadé, 1997). Syrphidae (6,000± world species) are a very large and highly varied group of true flies in their morphology and habits, being found from the equator to the high arctic and the subantarctic islands. Some species are mimics of stinging Hymenoptera and almost all come freely to wild (and many cultivated) flowering plant species. Their close association with flowers makes them a potentially useful and important pollinator group, after the bees (Apoidea). Around one-third of the species (of the subfamily Syrphinae) are predacious, mainly on Aphidoidea (Homoptera) but also on some more true bug families and other insect orders (see Ghorpadé, 1981a for prey of our subregion's species). The large majority of species (Eristalinae) are, however, saprophytic as larvae and many of these live in aquatic and semi-aquatic habitats, in rotting wood, in plant bulbs underground, or asinquilines in nests of ants and bees (Microdontinae, *Volucella*). The adults have a spurious (false) vein in the wing, by which almost all syrphid genera are easily identified as of this family, and many of these flies also hover in the air over flowers, or for mating (some especially in such male 'swarms'), and this behavior is characteristic of syrphids, giving them their popular English name. Their intense association with flowers makes them a potentially critical and beneficial pollinator group of insects, after the bees (Apoidea) and has given reason for their other English name, 'flower flies.' Brunetti (1923) wrote the *Fauna of British India* volume on this family after publishing a dozen other smaller and larger papers (1907a to 1925) on it. See citations also in Thompson & Ghorpadé (1992), Ghorpadé (1994), Ghorpadé *et al.* (2011), Ghorpadé & Shehzad (2013), Ghorpadé *et al.* (*in press, in prep.*). See Prashad (1927), Senior-White (1927) and Subba Rao (1998) for biographical notes (and an image) of Enrico Adelelmo Brunetti (21 May 1862-21 January 1927).

I was encouraged to research this poorly known, but economically important family in our subcontinent for detailed study in 1972, during my Masters postgraduate degree course in Agricultural Entomology (see Ghorpadé, 1994: 14), and have so far described two new Oriental genera and over 50 new species. I am now continuing the process of revising every genus (some with collaborating specialists) occurring in India and in the Oriental and Papuan—Pacific regions, these areas extending from Afghanistan east to the tropical Pacific Ocean islands, and from the high Himalayas (and SE. Tibet) south to Ceylon (Sri Lanka), and nearby islands, as well as from about the Yangtze-Kiang River in China south to Indonesia - the Lesser Sunda and Papuan islands (*cf* Ghorpadé 1973 to 2014b; Thompson & Ghorpadé 1992; Mengual & Ghorpadé 2010; Ghorpadé *et al.*, 2011; Mengual, 2012; Ghorpadé & Shehzad 2013; Ghorpadé & Pathania, 2014). The fauna in Pakistan was updated and summarised by Ghorpadé & Shehzad (2013: checklist and bibliography) and a detailed update of Syrphidae of the North West Provinces areas of the Indian subcontinent is now in preparation (Ghorpadé, *in prep.*). This sub-continent methinks could still have at least another 50 unknown, undescribed and unrecorded syrphid species ?

This Check-list¹ is the result of repeated requests for an updated account of Indian Syrphidae by current postgraduate students and some specialist colleagues. It is a simple basic list of what I have been able to cull, compile and incorporate into a working wordfile in the last few years. Minimal new data is presented in this check-list, which chiefly presents current updated nomenclature, after what was last compiled by Knutson, Thompson & Vockeroth (1975) in their landmark, updated, *Catalog of Oriental Syrphidae* some 40 years ago, a half century after Brunetti's (1923) *Fauna* volume, which latter no doubt was developed on the primal *Catalogue of the described Diptera of south Asia* compiled carefully by van der Wulp (1896).

No synonymy is given here, except a few new ones, as well as some new generic combinations that are proposed here; see Abstract above for a summary. But correct current binomens, with actual author(s) and verified year(s) of publication are cited, along with broad distribution by country (as well as States in India, these by acronyms as were explained in Ghorpadé, 1994: 2, and which have here been updated below (see pp. 3-5) of every genus and species as authentically recorded and confirmed, besides mention made of the major catalogues and revisions of taxa, where appropriate and available, as well as those which have keys to species. Original literature has been checked and scanned for locality records of each species, but more careful search may be required to make this complete, and also awaiting pending confirmation of published binomens by examination of voucher specimens involved, if and where available.

I chose to ignore 'sub' taxa, like subgenera and subspecies, and have elected to cite all such published names as valid genera or species, pending confirmation or correction. Taxonomic 'rank' is a matter of personal choice, mostly, and does not contribute to clarity in use of names; phylogeny is best exhibited using 'trees' and dendrograms using morphological and molecular characters as done presently. Published distributional records for species are not all accepted as these need more study for confirmation or otherwise, but some like those in Singh *et al.* (1985) have been accepted for Chandigarh and the Punjab, based on my (Ghorpadé, *in press, in prep.*) examination of specimens. These matters of phylogeny and rank are highly debatable and are thus ignored here, where focus is strictly on correct current binomens, to give our species taxa their true identity and valid names that can and should be used henceforth (Thompson, 1980). Hence, for instance, *Asiosphegina hansonii* Thompson does not have parentheses around the author's name here below, since it was described as "*Sphegina (Asiosphegina) hansonii*" which gave the generic combination as acknowledged now, even if as a 'subgenus,' originally (Thompson, 1965). Recognizing such 'subgenera,' based on individual authors' choice, or fancy, complicates nomenclatural matters and is here considered inadvisable. Note that unnamed and undescribed species are also mentioned, where recognized as valid by working specialists, and by myself, with author(s) and year(s) and their distribution, and should benefit users by knowledge of ongoing research and access to completeness of known data, as available to me so far. It may be mentioned here that my large personal collection of Syrphidae, as well as borrowed specimens on loan from various Indian and foreign museums for research, includes much new and unrecorded distributional data, mainly from Indian States and Union Territories. These are mostly not cited here and await documentation in my future papers and notes on individual genera and other faunistic works.

The Indian Syrphidae Check-list presented below is placed in currently accepted 'phylogenetic' sequence of subfamilies, but then the tribes, genera and their species under each of these three subfamilies are listed alphabetically, for convenience. Therefore, no index is felt necessary and hence not provided here. Note also that I have yet been unable to check and document data (especially on distribution) in the many 'State Fauna' publications of the Zoological Survey of India authors, and consider this unnecessary here until I am able to study those specimens and confirm or correct the identifications and names used by authors. A fairly complete bibliography of literature is also provided; more are listed in the bibliography on Pakistani Syrphidae (Ghorpadé & Shehzad, 2013: 21-26, *q.v.*). For more details on literature and synonymy, *etc.*, Thompson (2010) may be consulted, online, if and where necessary.

For the States and Union Territories of the Republic of India, now existing as political divisions (35 in all), the following acronyms have been used in the Check-list below, *n.b.* :

- AH = Andhra Pradesh, including most of former Hyderabad (Princely) State of the erstwhile Nizam, the Northern Circars, the 'Jeypore Agency' and Yanam, the last being a part of erstwhile French Pondicherry, *q.v.* Andhra will now be bifurcated into two States of Telengana (approximating to much of the old Hyderabad Princely State) and Seemandhra (the Northern Circars and Rayalseema), but these are not used here below since they have still not been officially recognized as such, though this action is imminent.
- AN = Andaman and Nicobar islands in the Bay of Bengal, a Union Territory.
- AR = Arunachal Pradesh, former N.E.F.A. (North-East Frontier Agency) and the northern, hilly, mostly Himalayan, part of the former 'Assam' Province.
- AS = Assam, now only a part of the former larger Assam Province, but still including Cachar. Note that the former 'Assam' has now been divided into the following seven States: AR, AS, MG, MN, MZ, NA and TR (*q.v.*).

- BI = Bihar, now only the northern portion of the former larger State, largely the floodplains of the rivers Ganga (Ganges) and Son. Pusa is in Samastipur District, where the British had founded and initiated the Indian Agricultural Research Institute. This is territory of the ancient Magadh and Maithila (Videha) kingdoms of ancient Hindostan, B.C.
- CG = Chhattisgarh, the eastern portion of former Madhya Pradesh, including many small former Princely States, of which the largest were Bastar and Surguja.
- CH = Chandigarh, a Union Territory, earlier functioning as the joint capital of the bifurcated Punjab and Haryana States (*q.v.*; Ghorpade & Pathania, 2014; Ghorpadé, *in press*).
- DD = Daman and Diu, now Union Territories but formerly Portuguese colonies, located in present Gujarat (*q.v.*).
- DL = Delhi, the capital of India and a Union Territory, now upgraded to a State.
- DN = Dadra and Nagar Haveli, Union Territory and former Portuguese colony, currently located in present southern Gujarat (*q.v.*).
- GJ = Gujarat, formerly part of the Sind and Bombay Presidency, including former Baroda (Princely) State of the erstwhile H.H. Gaekwar, and Cutch (Kutch), Kathiawar and Saurashtra (with erstwhile Bhavnagar, Gondal, Junagadh, and Rajkot Princely States of British India), and the Surat Dangs. Also includes the Union Territories of Daman & Diu and Dadra & Nagar Haveli (*q.v.*) within its land area.
- GO = Goa, a former Portuguese colony, annexed and now a State of India.
- HP = Himachal Pradesh, now the northern, highland, Himalayan, portion of the former larger Punjab State or earlier P.E.P.S.U. Province, and including the erstwhile Chamba and Mandi Princely States, as well as the Kangra, Kulu, Lahaul & Spiti regions.
- HR = Haryana, now the southern portion of the former larger Punjab State or earlier P.E.P.S.U. Province.
- JH = Jharkhand, the southern bifurcated hilly portion of the earlier larger Bihar State, including all of Chhota Nagpur, and much of this State lying south of the rivers Ganges (Ganga) and Son.
- JK = Jammu & Kashmir, including Indian administered former Kashmir (Princely) State which was divided along the Line of Control (1972) here between Pakistan and India, and including the Kishtwar and Jammu plains and the highlands of Ladakh, whose Aksai Chin ('Aksayqin') portion is now under Chinese control.
- KL = Kerala, including former Malabar in the north, the erstwhile Travancore & Cochin (Princely) States, and Mahé, part of the former French territory of Pondicherry (*q.v.*).
- KN = Karnataka, including all of former Mysore Princely State of the erstwhile H.H. Wodeyar; also Coorg (Kodagu), North & South Canara (Kanara), as well as Karnatak with some northern parts of the earlier Madras Presidency like Bellary District with the former Sandur Princely State of erstwhile H.H. Ghorpade. Also southern portions of the earlier Bombay province (Maharashtra, *q.v.*), which were 'Bombay Karnatak,' and parts of current Andhra Pradesh (now to be Telengana) and the former Nizam's Dominions of Hyderabad – the 'Hyderabad Karnatak.'
- LA = Lakshadweep, now a Union Territory, earlier the Laccadive, Minicoy and Amindivi islands, in the Arabian Sea.
- MG = Meghalaya, now a highland State that was part of the larger former 'Assam Province,' including the Garo, Khasi and Jaintia Hills.
- MH = Maharashtra, formerly part of erstwhile 'Bombay Province' and most of the earlier Bombay & Sind Presidency, now including Marathwada, Vidarbha, Khandesh and Konkan, and many erstwhile Princely States of former British India, especially Kolhapur of H.H. Bhosle Chhatrapati.
- MN = Manipur, now a separate hilly State of the earlier 'Assam' province on the Burmese border, formerly a Princely State in British India.
- MP = Madhya Pradesh, now the larger western portion of the erstwhile bigger State, but without Chhattisgarh. Including former Central India, Central Provinces, Madhya Bharat, Vindhya Pradesh, Bundelkhand, Baghelkhand, Malwa,

		Bhilistan, and the erstwhile Princely States of Berar, Bhopal, Indore, Rewa and Gwalior, the last of H.H. Scindia.
MZ	=	Mizoram, now a separate mountainous State of the earlier 'Assam' province, including the Lushai Hills.
NA	=	Nagaland, now a separate mountain State of the earlier 'Assam' province of British India, including the Naga Hills.
OR	=	Orissa (Odisha, Kalinga), now a separate State, the southern part of former 'Bihar and Orissa' province of British India, and including the northern edges of the Northern Circars, and the 'Jeypore Agency' of British India, including several erstwhile Princely States, like Dhenkanal, Kalahandi, Keonjhar, and Mayurbhanj.
PB	=	Punjab, a much contracted current Indian State that was formerly the 'Greater Punjab,' or Punjab Province (PEPSU) of British India, then inclusive of a western part which has now been acceded to Pakistan, and also of what are now Haryana and Himachal Pradesh (<i>q.v.</i>), with the former Princely States of Patiala and Nabha.
PO	=	Pondicherry, a former French colony, now a State located within the land area of Tamil Nadu (<i>q.v.</i>), with further territories like Karaikal (just south of the famous Tranquebar, now in Tamil Nadu), Mahé (in Kerala, <i>q.v.</i>) and Yanam (in Andhra Pradesh, <i>q.v.</i>).
RJ	=	Rajasthan, or what was Rajputana (Marwar and Mewar) of the British Raj, made up mostly of erstwhile Princely States, some of the larger ones being Ajmer, Bikaner, Jaipur, Jaisalmer, Jodhpur and Udaipur. Shares the Thar Desert with the Sind Province in Pakistan.
SI	=	Sikkim, a former Indian Princely Protectorate, since annexed and now a small Himalayan State of India.
TN	=	Tamil Nadu, part of the former extensive Madras Presidency in southern India, including erstwhile Madura and the Carnatic (Kongunad and Tamil Carnatic) and all of the famous Nilgiri mountains. Included a few small erstwhile Princely States like Arcot and Pudukkottai, and with Pondicherry (<i>q.v.</i>) within its land area.
TR	=	Tripura, formerly 'Tipperah,' a former Princely State and now one of seven segregated States of former 'Assam' Province in NE. India (<i>q.v.</i>).
UK	=	Uttarakhand, the northern, hilly, Himalayan, portion of former larger Uttar Pradesh (<i>q.v.</i>), with the erstwhile Princely State of Tehri-Garhwal, and what is known as Kumaon, including the hill stations of Mussoorie (Garhwal), Naini Tal, Almora and Ranikhet (Kumaon), besides others.
UP	=	Uttar Pradesh, now mostly bifurcated lowland areas of the Upper and Lower Gangetic Plain, with the former 'North Western Provinces' of Rohilkhand, Braj, Oudh (Avadh), and Bhojpur, and a few erstwhile Princely States like Benares (Kashi, now Varanasi), Rampur, and Jhansi.
WB	=	West Bengal, now the divided western, Indian part of the earlier larger Bengal Presidency (Rarh and Ganga delta), with the former Princely State of Cooch Behar and the hilly east Himalayan area of Darjiling (Darjeeling) in the north, this latter flanked by Nepal, Sikkim and Bhutan (Bhootan). The eastern portion of the former Bengal Presidency is now the liberated country of Bangladesh (earlier 'East Pakistan').

Syrphidae (Diptera) of the Indian subregion : an updated Check-list

Family SYRPHIDAE

[3 Subfamilies, 14 Tribes, 114 Genera, 553 species (but only 107 genera and 493 species nomenclaturally valid)]

Subfamily MICRODONTINAE [2 Tribes, 9 Genera, 27 species; Thompson, 1969, Cheng & Thompson, 2008; Reemer & Ståhls, 2013]

Tribe MICRODONTINI [8 Genera, 24 species; *FBI*: 307-321, Or. Cat., 1975: 368-374]

- Archimicrodon*** Hull, 1945 [Reemer & Ståhls, 2013: 19-21, 129]
caeruleus (Brunetti, 1908) [India (AR)]
lanka (Keiser, 1958) [Sri Lanka]
- Chymophila*** Macquart, 1834 [Reemer & Ståhls, 2013: 30-31, 136]
stilboides (Walker, 1849) [India (WB)]
- Furcantenna*** Reemer, in Reemer & Ståhls, 2013 [Reemer & Ståhls, 2013: 31, 131]
nepalensis Reemer, in Reemer & Ståhls, 2013 [Nepal]
- Heliodon*** Reemer, in Reemer & Ståhls, 2013 [Reemer & Ståhls, 2013: 32, 131]
elisabeth (Keiser, 1958) [Sri Lanka]
- Indascia*** Keiser, 1958 [Reemer & Ståhls, 2013: 34-35, 132]
brachystoma (Wiedemann, 1824) [India ?]
gracilis Keiser, 1958 [Sri Lanka]
- Metadon*** Reemer, in Reemer & Ståhls, 2013 [Reemer & Ståhls, 2013: 41-43, 134-135]
albofascia (Hull, 1944) [Burma]
annandalei (Brunetti, 1907b) [Pakistan; India (AS, HP, MG); Nepal; Bangladesh; Burma]
auricinctus (Brunetti, 1908) [India (WB); Sri Lanka]
flavipes (Brunetti, 1908) [India (MG); Burma]
montis (Keiser, 1958) [Sri Lanka]
ruficaudus (Brunetti, 1907b) [India (WB)]
squamipennis (Brunetti, 1923) [India (MG)]
taprobanicus (Keiser, 1958) [Sri Lanka]
- Microdon*** Meigen, 1803 [FBI: 307-321; Or. Cat., 1975: 368-374; Reemer & Ståhls, 2013: 47-48, 139]
apidiformis Brunetti, 1924 [India (MG)]
bellus Brunetti, 1923 [India (UK); Nepal]
carbonarius Brunetti, 1923 [India (MG)]
fulvopubescens Brunetti, 1923 [Sri Lanka]
metallicus de Meijere, 1904 [India (WB)]
unicolor Brunetti, 1915 [India (OR)]
- Paramixogaster*** Brunetti, 1923 [Reemer & Ståhls, 2013: 58-59, 144-145]
brunettii Reemer, in Reemer & Ståhls, 2013 [India (AS)]
contractus (Brunetti, 1923) [India (GJ)]
conveniensi (Brunetti, 1923) [India ('AS')]
- Tribe SPEGINOBACCHINI** [1 Genus, 3 species; Thompson, 1974]
- Spheginobaccha*** de Meijere, 1908 [FBI: 120-121; Or. Cat., 1975: 338-339; Reemer & Ståhls, 2013: 71, 149, Ghorpadé, 2014b]
aethusa (Walker, 1849) [Burma]
chilcotti Thompson, 1974 [India (UK); Nepal]
macropoda (Bigot, 1884) [India (AR ?, UK, UP ?, WB); Burma]
- Subfamily ERISTALINAE** [8 Tribes, 58 Genera, 309 species; Or. Cat., 1975: 328-368]
- Tribe BRACHYOPINI** [8 Genera, 25 species; FBI: 40-41, 106-111, 228-230; Or. Cat., 1975: 337-338 (as 'Chrysogasterini')]
- Asiosphegina*** Stackelberg, 1953 [see *Sphegina*]
bispinosa (Brunetti, 1915) [India (AR, UK, WB)]
hansonii Thompson, 1966 [Nepal]
javana (de Meijere, 1914) [India (WB)]

tristriata (Brunetti, 1913) [India (AR)]

Brachyopa Meigen, 1822 [Thompson, 1980]
 Unnamed sp. : (Thompson, *in litt.*) [Burma]
 Unnamed sp. ? : (Brunetti, 1907a) [India (HP)]

Chrysogaster Meigen, 1803
tadzhikorum Stackelberg, 1952 [Afghanistan]
 Unnamed sp. : (Brunetti, 1907b) [India (HP)]

Lejogaster Rondani, 1857
metallina (Fabricius, 1781) [Afghanistan]
tarsata (Meigen, 1822) [Afghanistan]

Myolepta Newman, 1838 [FBI: 228-230; Or. Cat., 1975: 337; Wiegmann, 1986]
graciliventr Wiegmann, 1986 [Nepal]
himalayana Brunetti, 1915 [India (HP)]

Neoscasia Williston, 1887 [Reemer & Hipa, 2005]
nana Reemer & Hipa, 2005 [Burma]
pavlovskii Stackelberg, 1955 [Afghanistan]

Orthonevra Macquart, 1829 [FBI: 40-41; Or. Cat., 1975: 337; Weipert & Claussen, 2006: 329]
himalayensis Nielsen, 2001 ['Mt Everest slope, SE. Tibet']
karnaliensis Weipert & Claussen, 2006 [Nepal]
kozlovi (Stackelberg, 1952) [Afghanistan; India (JK)]
nobilis (Fallén, 1817) ['Karakoram Range, Kashmir'; India (JK)]
pilifacies (Stackelberg, 1952) [Afghanistan]
SPECIES INCERTAE SEDIS
aenethorax Kohli, Kapoor & Gupta, 1988 [India (HP, JK)]
indica (Brunetti, 1915) [India (HP)]

Sphegina Meigen, 1822 [Brunetti, 1915: 223-225; FBI: 106-111; Or. Cat., 1975: 337-338; Thompson & Torp, 1986; Mutin, 1998]
asciiformis Brunetti, 1915 [India (WB)]
guptai Mutin, 1998 [India (HP)]
kumaoniensis Mutin, 1998 [India (UK)]
tricoloripes Brunetti, 1915 [India (HP, UK)]

Tribe CALLICERINI [1 Genus, 8 species; Coe, 1964: 285-289]

Callicera Panzer, 1809 [Verrall, 1913; FBI: 303-306; Or. Cat., 1975: 332; Coe, 1964: 285-289]
christiani Ghorpadé, 1982 [India (HP)]
doleschalli Verrall, 1913 [Burma]
nitens Coe, 1964 [Nepal]
robusta Coe, 1964 [India (UK); Nepal]
sackeni Verrall, 1913 [Burma]
sanguensis Coe, 1964 [Nepal]
SPECIES INCERTAE SEDIS
peshawarensis Arif, 2001, **nom. nud.** [Pakistan]
sarhadi Arif, 2001, **nom. nud.** [Pakistan]

Tribe CERIOIDINI [3 Genera, 21 species; de Meijere, 1908; Brunetti, 1915: 250-254; FBI: 322-340; Shannon, 1927; Vockeroth, 1971; Or. Cat., 1975: 343-346]
 [NOTE : *Monoceromyia flavipennis* (de Meijere, 1908) is here questionably included as occurring in this subcontinent; Brunetti (1915: 250) noted it was only described from Celebes, but Knutson *et al.* (1975: 344) added 'India' in their catalogue (in error ?), unless based on specimen(s) seen from this country. The 'India' record for *M. patricia* (Brunetti, 1923) is likewise unverified by me, being described from Burma (type). The *M. trinotata* (de Meijere, 1904) Burma record is again based only on its inclusion by Knutson *et al.* (1975)]

- Ceriana** Rafinesque, 1815 [FBI: 329-332; Or. Cat., 1975: 343-344]
brevis (Brunetti, 1923) [Pakistan; India (BI, JK)]
brunettii (Shannon, 1927) [Pakistan]
compacta (Brunetti, 1907b) [India (UK)]
dimidiatipennis (Brunetti, 1923) [Pakistan; India (JK)]
ornatifrons (Brunetti, 1915) [India (WB); Nepal; Sri Lanka]

- Monoceromyia** Shannon, 1922 [FBI: 332-340; Or. Cat., 1975: 344-345]
crux (Brunetti, 1915) [India (UK)]
eumenioides (Saunders, 1842) [Pakistan; India (BI, MH, OR, WB)]
fenestrata (Brunetti, 1923) [India (SI)]
flavipennis (de Meijere, 1908) [India ?]
himalayensis (de Meijere, 1908) [India (SI)]
javana (Wiedemann, 1824) [India (AR, KN ?, WB); Nepal; Burma]
multipunctata (Hull, 1941) [India (HP)]
obscura (Brunetti, 1907b) [India (SI); Nepal]
patricia (Brunetti, 1923) [India ?; Burma]
polistoides (Brunetti, 1923) [India (HP); Nepal]
tredecimpunctata (Brunetti, 1923) [India (MG); Burma]
trinotata (de Meijere, 1904) [India (WB); Burma]

- Sphiximorpha** Rondani, 1850 [FBI: 325-328; Or. Cat., 1975: 346]
decorata (Brunetti, 1923) [Burma]
fruhstorferi (de Meijere, 1908) [India (SI)]
fulvescens (Brunetti, 1915) [India (UK)]
triangulifera (Brunetti, 1913b) [India (WB)]

Tribe ERISTALINI [18 Genera, 72 species; FBI: 154-211, 212-217, 289-294; Or. Cat., 1975: 346-359]
 [NOTE : Careful revisionary research still required, especially on species of the genera *Eoseristalis* and *Lathyrrophthalmus*; some species listed in this checklist could be junior synonyms and therefore invalid (*n.b.*). Nomenclature also needs study for priority questions, correct name spellings and dates (see Thompson, 1980). Some more synonymy will be presented in a forthcoming paper (Ghorpadé, *in press*). Thompson (2003) wrote a useful paper on what he termed the subtribe Eristalina in the eastern Oriental and Australian regions, which needs to be expanded to include western Oriental taxa as well in future. Christian Kassebeer is revising this tribe now, *vide* Thompson (2003: 3)]

- Axona** Walker, 1864 [Or. Cat., 1975: 346]
chalcopyga (Wiedemann, 1830) [Burma]

- Digulia** de Meijere, 1913 [Or. Cat., 1975: 347]
kochi de Meijere, 1913 [Sri Lanka]

- Dolichomerus** Macquart, 1850 [FBI: 197-199; Or. Cat., 1975: 358]
crassa (Fabricius, 1787) [India (AH, AS, GO, JH, KL, KN, MG, MH, MP, SI, TN, UK, WB); Nepal; Bhutan; Sri Lanka]

- Eoseristalis** Kanervo, 1938 [FBI: 168-173, 175-180; Or. Cat., 1975: 351-352; Hervé-Bazin, 1926: 79-82]
albibasis (Bigot, 1880) [Pakistan; India (HP)]
angustimarginalis (Brunetti, 1923) [India (MG); Burma]
arbustorum (Linnaeus, 1758) [Afghanistan; Pakistan; 'Karakoram Range, Kashmir'; India (HP ?, JK, UK ?)]
brevifacies (Coe, 1964) [India (AR, AS, JK, UK); Nepal]
cerealis (Fabricius, 1805) [Pakistan; India (AR ?, CH, HP, JK, MG, SI, UK, UP, WB); Nepal; Burma]
curvipes (Schiner, 1868) [Sri Lanka]
himalayensis (Brunetti, 1908) [Pakistan; India (AR ?, HP, JK, SI, UK); Nepal]
horticola (De Geer, 1776) [Pakistan; India]
intricarioides (Brunetti, 1923) [India (SI); Nepal]
simplicipes (Curran, 1928) [Nepal]

simulata (Brunetti, 1923) [India (TN)]
suturalis (Brunetti, 1923) [India (MG)]
tibetica (Violovitsh, 1976) ['Mt Everest slope, Tibet']

Eristalinus Rondani, 1845 [FBI: 161-162; Or. Cat., 1975: 349; Thompson, 2003]
sepulchralis (Linnaeus, 1758) [Afghanistan; Pakistan; India (AR, JK)]

Eristalis Latreille, 1804 [FBI: 173-174; Or. Cat., 1975: 350-351]
tenax (Linnaeus, 1758) [Afghanistan; Pakistan; India (AR, CH, HP, JK, MG ?, PB, UK)]

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Unnamed sp. E (Aslamkhan *et al.*, 1997) [Pakistan]
 Unnamed sp. F (Aslamkhan *et al.*, 1997) [Pakistan]
 Unnamed sp. G (Aslamkhan *et al.*, 1997) [Pakistan]
 Unnamed sp. (Datta & Chakraborti, 1986) [India (WB)]

Eristalodes Mik, 1897 [FBI: 183-187, 192-193; Or. Cat., 1975: 349-350; Hervé-Bazin, 1926: 82-85]
paria (Bigot, 1880) [India (CH, HP, KN, MG ?, TN, UK, UP, WB); Sri Lanka]

taeniops (Wiedemann, 1818) [Afghanistan; Pakistan; Nepal]

SPECIES INCERTAE SEDIS

latus (Macquart, 1842) [India ?]

Helophilus Meigen, 1822 [Brunetti, 1908: 64-70; FBI: 204-205]
 [NOTE: This was a much misinterpreted genus (mainly for *Mesembrius* spp., q.v.), abundant in temperate regions and scarce in the tropics]

continuus Loew, 1854 [Afghanistan]
parallelus (Harris, 1776) [Afghanistan]

Kertesziomyia Shiraki, 1930 [FBI: 223-224; Or. Cat., 1975: 347, 354; Thompson, 2003: 11-12]
cyanea (Brunetti, 1913) [India (WB)]

Lathyrophthalmus Mik, 1897 [FBI: 162-167; Hervé-Bazin, 1923b,c,d, 1926: 85-86; Curran, 1947: 14-15; Or. Cat., 1975: 347-349 (as '*Eristalinus*')]

[NOTE: '*Eristalis polychromata*' of Brunetti (1923: 180-181) was stated by Thompson (2003: 10) to be "a species of *Eristalinus* (*Eristalinus*)" but is placed with *Lathyrophthalmus* here below, as Brunetti's FBI description mentions a holoptic male. However, this requires study and confirmation. Thompson (*in litt.*) placed *connectens* Hervé-Bazin, 1923 as a synonym of *obliquus* (Wiedemann, 1824). This requires study and confirmation and hence is not adopted here. Similarly, Thompson's (*in litt.*) use of *megacephalus* (Rossi, 1794), which is probably a Palaearctic species only (?) requires study and confirmation, or otherwise]

aeneus (Scopoli, 1763) [Afghanistan; Pakistan; India (AN ?, CH, DL, GJ, HP ?, MH ?, PB, UK, UP); Nepal]

arvorum (Fabricius, 1787) [Pakistan; India (peregrine, widespread ?); Nepal]

aurulans (Wiedemann, 1824) ? [India (KL)]

connectens Hervé-Bazin, 1923 ? [India (TN); Sri Lanka]

invirgulatus Keiser, 1958 [Sri Lanka]

laetus (Wiedemann, 1830) [India (AR ?, CH, DL, MG ?, PB, RJ, WB); Nepal]

lucilia (de Meijere, 1911) [Sri Lanka]

megacephalus (Rossi, 1794) ? [Afghanistan; Pakistan; India (DL, PB, WB); Sri Lanka ?]

obliquus (Wiedemann, 1824) [India (AH, KN, MH, TN, WB); Nepal ?; Sri Lanka]

obscuritarsis (de Meijere, 1908) [India (AH, CH, GJ, JK, KL, KN, MH, PB, TN, WB); Bangladesh]

polychromatus (Brunetti, 1923) [India (BI ?, KL, WB); Burma ?]

quadristriatus (Macquart, 1846) [India; Nepal; Sri Lanka]

quinquestriatus (Fabricius, 1794) [India (AS, BI, KN, MG ?, MP, OR, UK, WB); Nepal; Bhutan]

tabanoides (Jaennicke, 1867) [Pakistan; India (DL)]

- tarsalis* (Macquart, 1855) [India; Nepal]
- Mallota*** Meigen, 1822 [FBI: 218-220; Or. Cat., 1975: 354-355]
curvigaster (Macquart, 1842) [India (BI, RJ, WB); Sri Lanka]
orientalis (Wiedemann, 1824) [India (SI, WB)]
rufipes Brunetti, 1913 [Pakistan; India (WB)]
varicolor (Walker, 1856) [India (MG, WB)]
vilis (Wiedemann, 1830) [India; Sri Lanka]
- Merodonoides*** Curran, 1931 [FBI: 194-195; Or. Cat., 1975: 350]
multifarius (Walker, 1852) [India (GJ, HR, KN, MG, MP, RJ, TN); Nepal; Sri Lanka.]
- [NOTE : *Eristalis yamunanagarensis* Awtar Singh, Sodhi & Gupta, 1986b: 395. **syn. nov.** The type ♂ from “Yamunanagar (Haryana), 12.xi.1983, V. Gupta” was not found by me or examined in DZPU (Chandigarh) as indicated depository, or even located in the NPC, IARI (New Delhi); but from the description and illustrations it is undoubtedly a synonym, and a new combination, **comb. nov.** Thompson (*in litt.*) acknowledges this in his ‘Oriental Syrphidae Conspectus’ (manuscript with me) and also places *Pseudomeromacrus* Li, 1994 as a generic synonym and *P. setipennis* Li, 1994 as a **syn. nov.** and **comb. nov.** of *Merodonoides multifarius* Walker, 1852]
- Mesembrius*** Rondani, 1857 [de Meijere, 1908: 240-242; Brunetti, 1908: 64-70; FBI: 205-211, 214-215; Curran, 1947: 8; Or. Cat., 1975: 356]
bengalensis (Wiedemann, 1819) [Pakistan; India (AH, AS, BI, CH, GJ, KN, PB, TN, WB); Nepal; Sri Lanka]
quadrivittatus (Wiedemann, 1819) [India (AH, BI, CH, GJ, KN, MP, OR, TN, WB); Nepal; Burma]
sharpi Kohli, Kapoor & Gupta, 1988 [India (UK)] **comb. nov.**
tuberculatus (Brunetti, 1907b) [India (WB)]
vestitus (Wiedemann, 1821) [India (AS, WB); Burma]
- Myathropa*** Rondani, 1845
flore (Linnaeus, 1758) [Afghanistan]
semenovi Smirnov, 1925 [Nepal]
 Unnamed sp. : (Thompson, *in litt.*) [India]
- Paracrtophila*** Hervé-Bazin, 1914 [Or. Cat., 1975: 339]
oberthueri Hervé-Bazin, 1914 [Pakistan; India (JK, UK, WB); Nepal; Bhutan]
- [NOTE : *Paracrtophila* [sic!] *bengalensis* Kohli, Kapoor & Gupta, 1988: 126. **syn. nov.** The type ♀ from “Darjeeling, 4.iv.1985, V.K. Kohli” was seen by me in NPC, IARI (New Delhi) and found to be a synonym]
- Phytomia*** Guérin-Ménéville, 1833 [de Meijere, 1908: 240-242; FBI: 196-204; Hervé-Bazin, 1923d: 252-254, 1926: 88-90; Or. Cat., 1975: 356-358]
aesymnus (Walker, 1849) [India ?]
argyrocephala (Macquart, 1842) [India (AH, BI, GJ, JH, KL, KN, MP, TN, WB); Burma]
chrysopyga (Wiedemann, 1819) [India (AS, MG, SI); Burma]
errans (Fabricius, 1787) [India (AH, AR, BI, KL, KN, MG, TN, WB); Nepal; Burma; Sri Lanka]
zonata (Fabricius, 1787) [India (AR ?, AS, KL, MG, SI, TN, WB); Nepal; Bhutan; Bangladesh]
- Pseuderistalis*** Shiraki, 1930 [FBI: 167-168, 206; Treated by some authors as a ‘subgenus’ of *Kertesziomyia* Shiraki (*q.v.*)]
aenous (Brunetti, 1907) [Nepal]
fascipennis Thompson, 1975 [India (AN ?, AR, AS); Burma]
nigra (Wiedemann, 1828) [India (WB); Nepal]

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<i>Pseudovolucella</i> Shiraki, 1930	[<i>FBI</i> : 291-294; Coe, 1964: 270-271; Or. Cat., 1975: 340; Reemer & Hippa, 2008]
<i>decipiens</i> (Herve-Bazin, 1914)	[Nepal ?; Japan; Korea]
	[Note: Shrestha & Aryal (2000: 45-46) reported a single specimen from Gathe Ban, 1557m, central Nepal; see also Reemer & Hippa (2008: 85, 88)]
<i>eristaloides</i> (Brunetti, 1913)	[India (AR)]
<i>himalayensis</i> Brunetti, 1907b	[India (SI)]
<i>hingstoni</i> Coe, 1964	[India (SI); Nepal]
<i>mimica</i> Shiraki, 1930	[Burma]
<i>ochracea</i> Hull, 1944	[Nepal ? (as ' <i>decipiens</i> '); Burma]
<i>sinepollex</i> Reemer & Hippa, 2008	[Burma]

Tribe MERODONTINI [4 Genera, 30 species; *FBI*: 217-218, 221-222, 248-261; Or. Cat., 1975: 340-343]

<i>Azpeytia</i> Walker, 1865	[<i>FBI</i> : 221-222; Hervé-Bazin, 1926: 90-93; Or. Cat., 1975: 340]
<i>bifascia</i> Brunetti, 1907b	[India (AR, WB)]
<i>maculata</i> Shiraki, 1930	[Burma]
<i>Eumerus</i> Meigen, 1822	[Brunetti, 1915: 239-245; <i>FBI</i> : 248-261; Or. Cat., 1975: 340-343]
<i>aeneithorax</i> Brunetti, 1915	[India (CH ?, HP, PB ?)]
<i>albifrons</i> Walker, 1852	[India (HP, JK, OR)]
<i>ammophilus</i> Paramonov, 1927	[India (JK)]
<i>argentipes</i> Walker, 1861	[India (AS); Sri Lanka]
<i>aurifrons</i> (Wiedemann, 1824)	[Pakistan; India (BI, CH ?, JK, KN, MH, PB, TN, WB); Sri Lanka]
<i>coeruleifrons</i> Keiser, 1958	[Sri Lanka]
<i>figurans</i> Walker, 1859	[Sri Lanka]
<i>halictoides</i> Brunetti, 1915	[India (HP, WB)]
<i>jacobsoni</i> Becker, 1913	[Afghanistan]
<i>kashmerensis</i> Kohli, Kapoor & Gupta, 1988	[India (JK)]
<i>nepalensis</i> Brunetti, 1908	[Afghanistan; India (CH ?, HP, JK); Nepal]
<i>nicobarensis</i> Schiner, 1868	[Afghanistan; India (AN, AS, BI, JK, WB); Sri Lanka]
<i>perpensu</i> Brunetti, 1917	[India (HP)]
<i>perplexus</i> Brunetti, 1917	[India (HP)]
<i>pulcherrimus</i> Brunetti, 1915	[India (WB)]
<i>pulverulentus</i> Brunetti, 1923	[Pakistan; India (BI, JK, RJ)]
<i>punctifrons</i> Loew, 1857	[Afghanistan]
<i>quadrinotatus</i> van Doesburg, 1955	['Karakoram Range, Kashmir'; India (JK)]
<i>reichardt</i> Stackelberg, 1952	[Afghanistan]
<i>rufoscutellatus</i> Brunetti, 1913	[India (CH ?, PB ?, WB)]
<i>sexvittatus</i> Brunetti, 1915	[India (UK)]
<i>singhalensis</i> Keiser, 1958	[Sri Lanka]
<i>sita</i> Keiser, 1958	[Sri Lanka]
<i>strigatus</i> (Fallén, 1817)	[Afghanistan]
<i>Merodon</i> Meigen, 1803	[<i>FBI</i> : 211-212, 217-218; Or. Cat., 1975: 343]
<i>albifasciatus</i> Macquart, 1842	[India ?]
<i>pruni</i> (Rossi, 1790)	[Pakistan]
<i>tarsatus</i> Sack, 1913	[Afghanistan]
<i>Psilota</i> Meigen, 1822	[Or. Cat., 1975: 343]
Unnamed sp.: (Kapoor <i>et al.</i> , 1979: 55)	[Nepal]

Tribe MILESIINI [18 Genera, 99 species; *FBI*: 224-248, 261-288; Or. Cat., 1975: 359-368]

<i>Blera</i> Billberg, 1820	[Barkalov & Mutin, 1991]
<i>himalaya</i> Thompson, 2000	[India (HP)]

Brachypalpoides Hippha, 1978b [Hippha, 1985a]

- cupreiventris* (Brunetti, 1923) [India (WB)]
discolor Hippha, 1985 [India (AS)]
dives (Brunetti, 1908) [India (NA)]
ferratus Hippha, 1985 [Burma]
makiana (Shiraki, 1930) [India ('AS'); Nepal]
pectinatus Hippha, 1985 [Burma]
perniger Hippha, 1985 [Burma]
pilosus Hippha, 1985 [Burma]
plumipes Hippha, 1985 [India (AR)]
violaceus Hippha, 1985 [Burma]
 Unnamed sp. 1 : (Hippha, 1978b: 82) [India (AS)]
 Unnamed sp. 2 : (Hippha, 1978b: 82) [Burma]
 Unnamed sp. 3 : (Thompson, *in litt.*) [India (HP)]
 Unnamed sp. 4 : (Hippha, 1978b: 82) [Burma]
 Unnamed sp. 5 : (Hippha, 1978b: 82) [Burma]

Brachypalpus Hippha, 1978b [FBI: 275-276]

- Unnamed sp. ? : (Brunetti, 1907a: 169) [India (HP)]
 Unnamed sp. 2 : (Hippha, 1978b: 85) [India (JK)]

Calcaretropidia Keiser, 1971 [Or. Cat., 1975: 365]

- triangulifera* (Keiser, 1958) [S. India ?; Sri Lanka]

Cheiroxylota Hull, 1949 [Hippha, 1978b: 115]

- auripyga* (Hippha, 1978b) [Burma]
dimidiata (Brunetti, 1923) [Pakistan; India (UK); Nepal]

Criorhina Meigen, 1822 [FBI: 280-288; Curran, 1929: 497-499; Or. Cat., 1975: 359-360]

- bicolorata* Hull, 1950 [India (JK)]
bomboides Hull, 1944 [India (MG, SI)]
crioarcos Hull, 1944 [India (AR); Burma]
excavata Curran, 1929 [India (UK)]
imitator Brunetti, 1915 [Pakistan; India (JK, UK)]
interrupta Brunetti, 1923 [Pakistan]
pallidipes Curran, 1929 [India (UK)]
pallipilosa Hull, 1944 [India (JK)]
rubropilosa Hull, 1950 [India (JK)]
simioides (Brunetti, 1908) [India ?]
spinatarsis Curran, 1929 [India (UK)]
tripilosa Coe, 1964 [India (UK)]
vivida Brunetti, 1923 [Pakistan; India (JK)]

Korinchia Edwards, 1919 [FBI: 224-226; Curran, 1929: 503-504; Or. Cat., 1975: 360-361; van Steenis & Hippha, 2012]

- fasciata* (Macquart, 1834) [India ?]
himalayensis van Steenis & Hippha, 2012 [Nepal]
kambaitica van Steenis & Hippha, 2012 [Burma]
ocellata van Steenis & Hippha, 2012 [Burma]
rufa Hervé-Bazin, 1922 [India (TN)]

Lycastris Walker, 1857 [FBI: 276-280; Or. Cat., 1975: 361-362; Coe, 1964: 280-285]

- albipes* Walker, 1857 [India (HP, UK, WB)]
austeni Brunetti, 1923 [India (WB)]
flavohirta Brunetti, 1907 [India (HP, WB); Nepal]
griseipennis Coe, 1964 [India (AR)]

Macrozelima Stackelberg, 1930 [Hippha, 1978a]

- scripta* Hippha, 1978a [Burma]

Matsumyia Shiraki, 1949 [FBI: 286-287; Or. Cat., 1975: 359]
dentata (Brunetti, 1908) [India (HP)]

Milesia Latreille, 1804 [FBI: 263-275; Or. Cat., 1975: 362-364; Hervé-Bazin, 1926: 95-104; Hipa, 1990]
balteata Kertész, 1901 [Pakistan; India (AS, MG, SI, WB); Nepal; Burma]
brunettii Hervé-Bazin, 1923 [Nepal; Burma]
brunneonigra Hipa, 1990 [India (WB)]
caesarea Hipa, 1990 [India (KL, KN, MP ?, TN)]
cinnamomea Hipa, 1990 [India (KL, KN, TN)]
cretosa Hipa, 1990 [India (MG); Burma]
ferruginosa Brunetti, 1913 [India (MG, SI, UK, WB); Nepal; Burma]
gigantea Hipa, 1990 [India (MG ?)]
illustris Hipa, 1990 [India (AS, MG, SI, WB)]
macularis Wiedemann, 1824 ? [Pakistan ? India (SI ?, WB ?); Burma ?]
mima Hipa, 1990 [India (KL, TN)]
quantula Hipa, 1990 [Burma]
querini Ghorpadé, 2014 [India (AH ? or PO ? or TN ?)]

[NOTE: *Milesia querini* Ghorpadé, 2014, **nom. nov.** for *Milesia gigas* Querin, 1834, not *M. gigas* Rossi, 1790; see Hipa, 1990: 109]

semifulva de Meijere, 1904 [Pakistan ?; India (MG, WB); Burma]
sexmaculata Brunetti, 1915 [Pakistan ?; India (KL, TN, WB ?)]
variegata Brunetti, 1908 [India (MG, SI, WB); Burma]
verticalis Brunetti, 1923 [Pakistan ?; India (MG)]

Spilomyia Meigen, 1803
saltuum (Fabricius, 1794) [Afghanistan]
sulphurea Sack, 1910 [Afghanistan]

Syritta Lepeletier & Serville, 1828 [Brunetti, 1915: 237-239; FBI: 244-248; Or. Cat., 1975: 364-365; Lyneborg & Barkemeyer, 2005]
fasciata (Wiedemann, 1830) [India (GJ, UK)]
indica (Wiedemann, 1824) [India (AH, AS ?, BI ?, KL, KN ?, MH ?, MP ?, PO, TN, UP ?, WB ?); Nepal, Burma ?; Sri Lanka]
latitarsata Macquart, 1842 [Pakistan]
orientalis Macquart, 1842 [Pakistan; India (CH, DL, PB, PO, TN, UK, WB); Sri Lanka]
pipiens (Linnaeus, 1758) [Afghanistan; Pakistan; India (CH ?, HP, JK, PB, UK); Nepal]
proximata Lyneborg & Barkemeyer, 2005 [India (AH, DL ?, KL, KN, MP, PO, RJ ?, TN, WB ?); Sri Lanka]
stylata Lyneborg & Barkemeyer, 2005 [India (KL, KN, MP, TN)]
vittata Portschinsky, 1875 [Pakistan]

Syrittoxylota Hipa, 1978 [Hipa, 1978b: 116, as subgenus of *Chalcosyrphus* Curran]
annulata (Brunetti, 1913) [India (WB)]
auricoma (Hipa, 1985) [Burma]
elegans (Hipa, 1985) [Burma]
 Unnamed sp. : (Hipa, 1978b: 116) [Burma]

Temnostoma Lepeletier & Serville, 1828 [FBI : 261-263; Or. Cat., 1975: 365-366]
nigrimanus Brunetti, 1915 [India (UK)]

Xylota Meigen, 1822 [FBI: 231-243; Or. Cat., 1975: 366-368; Hipa, 1978b: 58-72]
angustata Hipa, 1978b [Burma]
atroparva Hipa, 1974 [Sri Lanka]
auronitens Brunetti, 1908 [India (AR)]
bistriata Brunetti, 1915 [India (KL)]
carbonaria Brunetti, 1923 [India (TN)]
cuprina Bigot, 1885 [India (AR)]
lea Hipa, 1978b [Burma]

- nursei* Brunetti, 1923 [India (HP, WB)]
penicillata Brunetti, 1923 [India (MG)]
rufiseta Hippra, 1982 [Burma]
 Unnamed sp. 1 : (Hippra, 1978b: 65) [India (JK)]
 Unnamed sp. 2 : (Hippra, 1978b: 65) [Burma]
 Unnamed sp. 5 : (Hippra, 1978b: 70) [Sri Lanka]
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assamensis Brunetti, 1908 [India (NA)]

- Xylotomima*** Shannon, 1926
 Unnamed sp. : (Hippra, 1978b: 113) [India (♀ only)]

- Xylotina*** Hippra, 1978b [Hippra, 1978b: 117-120, as subgenus of *Chalcosyrphus* Curran]
nepalensis (Hippra, 1978b) [Nepal]
ornata (Brunetti, 1915) [India (UK); Burma]
 Unnamed sp. 1 : (Hippra, 1978b: 118) [Nepal (♀ only)]
 Unnamed sp. 2 : (Hippra, 1978b: 118) [Burma]
 Unnamed sp. 3 : (Hippra, 1978b: 118) [Burma (♀)]
 Unnamed sp. 4 : (Hippra, 1978b: 118) [India (♀)]
 Unnamed sp. 5 : (Hippra, 1978b: 118) [Burma (♀)]

Tribe RHINGIINI [4 Genera, 30 species; *FBI*: 41-46, 129-134, 153-154; Or. Cat., 1975: 329-332]

- Cheilosia*** Meigen, 1822 [*FBI*: 41-46; Or. Cat., 1975: 329-330]
apicalis Brunetti, 1913 [India (AR)]
bombylioides Hull, 1949 [Burma]
corydon (Harris, 1780) [India (UK)]
gagatea Loew, 1857 [Afghanistan]
hasegawai Shiraki, 1968 [Nepal]
himalayensis (Brunetti, 1915) [India (UK)]
hirticincta Brunetti, 1915 [India (WB)]
kalatopensis Nayar, 1968 ? [India (HP)]
laticornis Rondani, 1857 [Afghanistan]
nigroaenea Brunetti, 1915 [India (HP, SI ?); Nepal]
pilipes (Bigot, 1884) ['India']
plumbiventris Brunetti, 1915 [India (HP)]
songarea (Becker, 1894) ['Karakoram Range, Kashmir'; India (JK)]
 Unnamed sp. : (Brunetti, 1907a) [India (HP)]
 Unnamed sp. : (Lambeck & van Brink, 1973) [India (JK)]

- Endoiasimya*** Bigot, 1882 [*FBI*: 153-154; Or. Cat., 1975: 330]
indiana Bigot, 1882 ['India'; Nepal]

- Ferdinandea*** Rondani, 1884 [Hull, 1942; Coe, 1964: 266-268; Or. Cat., 1975: 330-331]
isabella Hull, 1942 [India (JK)]
longifacies Coe, 1964 [India (AR, UK); Nepal]
montana Hull, 1942 [India (JK)]
nepalensis Claussen & Weipert, 2003 [Nepal]

- Rhingia*** Scopoli, 1763 [Brunetti, 1908: 57-59, *FBI*: 129-134; Or. Cat., 1975: 331-332; Claussen & Weipert, 2003: 367-373, 375]
angusticincta Brunetti, 1908 [Pakistan ?; India (HP, WB ?)]
binotata Brunetti, 1908 [India (AR, WB); Nepal]
cincta de Meijere, 1904 [India (MG, WB)]
creutzburgi Claussen & Weipert, 2003 [Nepal]
fasciata Brunetti, 1908 [India (HP, PB ?, WB); Nepal]
laticincta Brunetti, 1907b [India (HP, PB, UK, WB); Nepal]
longifacies Claussen & Weipert, 2003 [Nepal]
semicinerea Brunetti, 1923 [India (UK)]

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sexmaculata Brunetti, 1913 [India (AS)]
siwalikensis Nayar, 1968 [India (HP); Nepal]

Tribe VOLUCCELLINI [2 Genera, 24 species; *FBI*: 135-153; Or. Cat., 1975: 332-337]

Graptomyza Wiedemann, 1820 [*FBI*: 135-144; Or. Cat., 1975: 332-335]
angustimarginata Brunetti, 1923 [India (MG)]
brevirostris Wiedemann, 1820 [India (AR, CH, JK, PB, TN); Nepal; Burma; Sri Lanka]
coomani Séguy, 1948 [Sri Lanka ?]
duodecimnotata Brunetti, 1908 [India (AS)]
flavonotata Brunetti, 1917 [India (HP)]
hardyi Greene, 1949 [India (AS)]
longirostris Wiedemann, 1820 [Burma]
nigripes Brunetti, 1913 [India (AS, HP, MG, SI, WB)]
sexnotata Brunetti, 1908 [India (MG, SI)]
tinctovittata Brunetti, 1915 [India (WB)]
ventralis Wiedemann, 1830 [India (AR, MG ?)]

Volucella Geoffroy, 1762 [*FBI*: 144-153; Hervé-Bazin, 1923d: 254-259, 1923e: 318-319; Coe, 1964: 268-269; Or. Cat., 1975: 335-337]
basalis Brunetti, 1907 [India (SI, WB)]
discolor Brunetti, 1908 [India (AS)]
flavoscutella Sack, 1928 [India (JK ?, UK)]
inanis (Linnaeus, 1758) [Afghanistan]
lividiventrif Brunetti, 1908 [India (SI); SE. Tibet]
peleterii Macquart, 1834 [India (JK ?)]
pellucens (Linnaeus, 1758) [India (JK, UK)]
ruficauda Brunetti, 1907b [India (JK, SI)]
signata Brunetti, 1923 [India (MG)]
trifasciata Wiedemann, 1830 [India (MG, SI); Burma]
ursina de Meijere, 1904 [India (WB)]
varipila Coe, 1964 [India (JK); Nepal]
zonaria (Poda, 1761) [Afghanistan]

Subfamily SYRPHINAE [4 Tribes, 47 Genera, 214 species; Vockeroth, 1969; Mengual *et al.*, 2008]

Tribe BACCHINI [7 Genera, 31 species]

Baccha Fabricius, 1805 [*FBI*: 119-120; Or. Cat., 1975: 323]
[NOTE: *B. plumbicincta* Brunetti, 1915 is here confirmed as a *Baccha* s. str., based on my examination of the female type labeled “*Baccha plumbicincta* Brun. Type ♀, det. Brun. 1923 / Cherrapunji, Assam, 4400 ft., 2-8.x.14, S.W. Kemp / 1982/HI” in the ZSI, Calcutta, India.]
maculata Walker, 1852 [India (AR?, HP, MG, UK, WB ?; Nepal)]
plumbicincta Brunetti, 1915 [India (MG)]
Unnamed sp.: (Coe, 1964: 257) [Nepal]

Melanostoma Schiner, 1860 [Brunetti, 1915: 207-209; *FBI*: 46-52; Curran, 1928: 256-261, 1931b: 358-362; Or. Cat., 1975: 324-325]
ceylonense de Meijere, 1911 [Sri Lanka]
dubium (Zetterstedt, 1837) [India (HP ?)]
mellinum (Linnaeus, 1758) [Afghanistan; India (HP ?)]
orientale (Wiedemann, 1824) [Pakistan; India (AR, AS ?, CH, HP, JK, MG ?, PB, SI, UK, WB); Nepal; Bhutan; Sri Lanka]
pedium (Walker, 1852) [India (HP, KN, UK, WB)]
scalare (Fabricius, 1794) [Afghanistan; India ?; Sri Lanka ?; Nepal ?]
univittatum (Wiedemann, 1824) [India (AH ?, AR ?; AS, BI, HP, KL, KN, MG, UK, TN, WB ?); Nepal; Burma; Sri Lanka]

Unnamed sp. : (Brunetti, 1915: 208) [India (HP, KN, UK, WB)]
 Unnamed sp. : (Datta & Chakraborti, 1984: 242) [India (JK)]

Platycheirus Lepeletier & Serville, 1828 [FBI: 52-55; Or. Cat., 1975: 325-326; Ohara, 1980, 1984]
albimanus (Fabricius, 1781) [Pakistan; India (HP, JK, MG ?, WB); Nepal]
ambiguus (Fallén, 1817) [India (HP, 'Karakoram Range, Kashmir', JK)]
angustatus (Zetterstedt, 1843) ['Karakoram Range, Kashmir'; India (JK)]
altotibeticus Nielsen, 2001 ['Mt Everest slope, SE. Tibet']
clypeatus (Meigen, 1822) [Afghanistan]
cryophilus Nielsen, 2007 ['Karakoram Range, Kashmir'; India (JK)]
discimanus (Loew, 1871) [Afghanistan]
himalayensis (Brunetti, 1915) [India (SI, UK); Nepal]
kashmiricus Nielsen, 2004 ['Karakoram Range, Kashmir'; India (JK)]
scutatus (Meigen, 1822) [Afghanistan]
SPECIES INCERTAE SEDIS
maculatus Arif, 2001, **nom. nud.** [Pakistan]

Pseudoplatychirus van Doesburg, 1955
peteri van Doesburg, 1955 ['Karakoram Range, Kashmir'; India (JK)]

Rohdendorfia Smirnov, 1924 [Claussen, 1988]
dimorpha Smirnov, 1924 [Afghanistan; India (JK)]

Tuberculanostoma Fluke, 1943
solitarium van Doesburg, 1955 ['Karakoram Range, Kashmir'; India (JK)]

Xanthandrus Verrall, 1901 [NOTE : *Indosyrphus* Kohli, Kapoor & Gupta, 1988, **syn. nov.** This is based on the holotype ♂ of its type-species, *Indosyrphus garhwalensis* Kohli, Kapoor & Gupta, 1988, from "Ramgarh, Dehra Dun (1900 ft) (U.P., India), hovering over marshy patch in jungle, 15.iii.1936, J.A. Graham" which was studied by me in FRI (Dehra Dun)]
ceylonicus Keiser, 1958 [Sri Lanka]
garhwalensis (Kohli, Kapoor & Gupta, 1988) [India (UK)] **comb. nov.**
indicus Curran, 1933 [India (AH ?, MP)]
 Unnamed sp. 1 : (Ghorpadé, unpubl.) [India (MG)]
 Unnamed sp. 2 : (Datta & Chakraborti, 1986: 9) [India (WB)]

Tribe PARAGINI [3 Genera, 20 species; Vujić *et al.*, 2008]

Pandasyopthalmus Stuckenberg, 1954 [FBI: 33-35, 37; Or. Cat., 1975: 328; Thompson & Ghorpadé, 1992; Vujić *et al.*, 2008]
annandalei Ghorpadé, 1992 [India (HP, JK, UK)]
atratus (de Meijere, 1906) [India (UK ?)]
haemorrhous (Meigen, 1822) [Afghanistan]
karnaliensis (Claussen & Weipert, 2004) [Nepal]
politus (Wiedemann, 1830) [Pakistan; India (AR ?, AS, BI ?, CH ?, HP, JK, MG, PB, SI, UK, WB); Nepal, Bhutan ?]
rufocinctus (Brunetti, 1908) [Pakistan ?; India (AR ?, AS ?, BI ?, CH, HP, JK, KL, KN, MG, PB, TN, WB); Nepal; Bhutan ?; Burma; Sri Lanka]
tibialis (Fallén, 1817) [Afghanistan; Pakistan ?; India (HP); Nepal ?]
 Unnamed sp. : (Alam *et al.*, 1969) [Pakistan]
Paragus Latreille, 1804 [FBI: 35-36; Thompson & Ghorpadé, 1992; Vujić *et al.*, 2008]
albifrons (Fallén, 1817) [Afghanistan]
bicolor (Fabricius, 1794) [Afghanistan; Pakistan; India (HP ?, JK); Nepal ?]

- compeditus* Wiedemann, 1830 [Afghanistan; Pakistan]
quadrifasciatus Meigen, 1822 [Afghanistan; India (JK)]
SPECIES INCERTAE SEDIS
ambalaensis Sodhi & Awtar Singh, 1991 [India (HR)]
gulangensis Li & Li, 1990 [Nepal]
 Unnamed sp. 1 : (Datta & Chakraborti, 1984: 246) [India (JK)]
 Unnamed sp. 2 : (Aslamkhan *et al.*, 1997: 24) [Pakistan]
- Serratoparagus*** Vujić & Radenković [FBI: 30-32; Or. Cat., 1975: 327-328; Thompson & Ghorpadé, 1992; Vujić *et al.*, 2008]
auritus (Stuckenberg, 1954) [India (AH, KN, OR, TN, WB); Nepal; Sri Lanka]
crenulatus (Thomson, 1869) [India (AR ?, AS, BI, KL, KN, MA, SI ?, TN, TR, WB); Nepal; Burma; Sri Lanka]
serratus (Fabricius, 1805) [Afghanistan; Pakistan; India (AH, BI, CH, DL, GJ, JK, KN, MH ?, MP, PB, PO, TN, UK, UP, WB); Nepal]
 [NOTE: *Paragus* (*Paragus*) *femoratus* Kohli, Kapoor & Gupta, 1988: 120. **syn. nov.** The type ♂ from "Pantnagar (UP), 9.xi.1983, V.K. Kohli" was seen by me in NPC, IARI (New Delhi) and found to be a synonym]
yerburiensis (Stuckenberg, 1954) [India (AH, AS ?, BI, DL, KL, KN, MP, OR, PO, TN, UK, UP, WB); Nepal; Sri Lanka]
- Tribe PIPIZINI** [5 Genera, 5 species; Or. Cat., 1975: 328-329]
- Heringia*** Rondani, 1856 [FBI: 38-39; Or. Cat., 1975: 329]
cyanea (Brunetti, 1915) [India (SI)]
- Neocnemodon*** Goffe, 1944
 Unnamed sp. : (Thompson, *in litt.*) [N. India]
- Pipiza*** Fallén, 1810 [Or. Cat., 1975: 328]
 Unnamed sp. : (Kohli *et al.*, 1988: 125) [India (UK)]
- Pipizella*** Rondani, 1856
Pipizella mesasiatica Stackelberg, 1952 [Afghanistan]
- Trichopsomyia*** Williston, 1888
 Unnamed sp. : (Thompson, *in litt.*) [N. India]
- Tribe SYRPHINI** [32 Genera, 161 species; FBI 56-105, 113-119, 121-128; Curran, 1931a: 311-321; Vockeroth, 1969; Or. Cat., 1975: 308-324; Ghorpadé, 1994]
- Agnisyrphus*** Ghorpadé, 1994 [Ghorpadé, 1994: 6; 2007]
angara Ghorpadé, 1994 [India (UK)]
brunettii Ghorpadé, 2007 [India (AR, WB)]
- Allobaccha*** Curran, 1928 [Brunetti, 1915: 218-222; FBI: 113-127 (as '*Baccha*'); Curran, 1928: 251-256, 1931a: 325-327; Or. Cat., 1975: 321-324; Ghorpadé, 1994: 7-8]
amphithoe (Walker, 1849) [India (AN, AR, AS, KL, KN, MA, MG, MZ, SI, WB); Burma; Sri Lanka]
apicalis (Loew, 1858) [India (AN, AS, BI, GJ, GO, HP, KL, KN, MG, MZ, TN, UK, WB); Nepal; Burma; Sri Lanka]
binghami Ghorpadé, 1994 [India (SI)]
dispar (Walker, 1860) [India (AR ?)]
elegans (Brunetti, 1915) [India (KN, SI, WB); Nepal; Burma]
fallax (Austen, 1893) [India ?; Sri Lanka]
nigricosta (Brunetti, 1907b) [Pakistan; India (DL, MG ?, UK)]
oldroydi Ghorpadé, 1994 [India (KL); Sri Lanka]
sapphirina (Wiedemann, 1830) [Pakistan; India (DL, GJ, KN, MH, MP, RJ, TN); Sri Lanka]

- triangulifera* (Austen, 1893) [India (KN, WB); Nepal; Sri Lanka]
umbrosa (Brunetti, 1923) [India (CH ?, PB, RJ)]
 Unnamed sp. : (Ghorpadé, unpubl.) [India (KN)]
- Allograpta*** Osten Sacken, 1875 [FBI: 91-92 (as *Syrphus*), 100-101 (as *Sphaerophoria*); Or. Cat., 1975: 308-309; Vockeroth, 1969: 126-130; Mengual *et al.*, 2008, 2009]
bouvieri (Hervé-Bazin, 1923) [India (KL, TN)]
dravida Ghorpadé, 1994 [India (KN)]
javana (Wiedemann, 1824) [India (AH, AR, AS, BI, DL, KL, KN, MA, MG, MP, OR, SI, TN, UK, UP, WB); Nepal; Burma; Sri Lanka]
maculipleura (Brunetti, 1913) [India (AR, AS); Nepal ?; Burma]
 Unnamed sp. : (Ghorpadé, unpubl.) [India (KN)]
- Asarkina*** Macquart, 1834 [FBI: 63-64 (as '*Asarcina*'), 94 (as *Syrphus*); Or. Cat., 1975: 309-310; Vockeroth, 1969: 110-113; Ghorpadé, 1994: 7-8]
assimilis (Macquart, 1846) ['India' (HP ?)]
ayyari Ghorpadé, 1994 [India (KL, KN, TN); Sri Lanka]
belli Ghorpadé, 1994 [India (AH, KN); Sri Lanka]
bhima Ghorpadé, 1994 [India (UK, WB); Nepal]
consequens (Walker, 1857) ['India']
incisuralis (Macquart, 1855) [India (AH, AR ?, AS, BI, CH, JK, KL, KN, MH, PB, PO, SI ?, TN, UK, UP, WB); Nepal; Bangladesh; Sri Lanka]
hema Ghorpadé, 1994 [India (KL, KN)]
pitambara Ghorpadé, 1994 [India (KN); Sri Lanka]
porcina (Coquillett, 1898) [India (AS, MG, SI, UK, WB); Nepal; Burma]
- Asiobaccha*** Violovitsh, 1976 [FBI: 116-117 (as '*Baccha*'); Or. Cat., 1975: 322; Ghorpadé, 1994: 4]
nubilipennis (Austen, 1893) [India (KL, KN, MG, TN, WB); Nepal ?; Burma; Sri Lanka]
- Betasyrphus*** Matsumura, 1917 [FBI: 73-76 (as *Syrphus*); Or. Cat., 1975: 310 (as '*Baccha* (*Allobaccha*'))]; Vockeroth, 1969: 69-70; Ghorpadé, 1994: 8]
aeneifrons (Brunetti, 1913) [India (AR, AS, CH, MG, PB, SI, UK, WB); Nepal]
bazini (Brunetti, 1925) [Pakistan ?; India (BI, MG, SI, UK, WB); Nepal]
fletcheri Ghorpadé, 1994 [India (KL, TN); Sri Lanka]
isaaci (Bhatia, 1933) [Pakistan; India (AR, AS, BI, CH ?, HP, JK, MG, PB, UK, UP, WB); Nepal; Burma]
linga Ghorpadé, 1994 [India (KL, KN, TN)]
- Chrysotoxum*** Meigen, 1803 [FBI: 294-303; Violovitsh, 1974; Or. Cat., 1975: 326-327; Ghorpadé, 1994: 8-9, 2012]
antiquum Walker, 1852 [India (HP, UK, WB); Nepal; Burma]
arcuatum (Linnaeus, 1758) [Pakistan ?; India (BI ?)]
baphyrum Walker, 1849 [Pakistan; India (AR ?, CH, HP, KN, MG, MH, PB, TN, UK, WB); Nepal; Burma; Sri Lanka]
caucasicum Sack, 1930 [Afghanistan]
convexum Brunetti, 1915 [India (JK, UK); SE. Tibet]
corbetti Ghorpadé, 1994 [India (UK)]
draco Shannon, 1926 [Burma]
fasciolatum (De Geer, 1776) [India (JK, UK)]
fuscomarginatum Brunetti, 1923 ? [Pakistan]
intermedium Meigen, 1822 [Afghanistan; Pakistan; India (HP, JK)]
quadrifasciatum Brunetti, 1923 [India (MG)]
- Citrogramma*** Vockeroth, 1969 [FBI: 95-97 (as '*Xanthogramma*'); Vockeroth, 1969: 92-100; Or. Cat., 1975: 311; Ghorpadé, 1994: 9; Mengual, 2012, 2013]
amarilla Mengual, 2012 [India (TN, WB ?)]

<i>citrinum</i> (Brunetti, 1923)	[Pakistan ?; India (AR, AS ?, MG, WB); Nepal ?]
<i>clarum</i> (Herve-Bazin, 1926) ?	[? India (MG, WB); Nepal ?]
<i>currani</i> Ghorpadé in Mengual, 2012	[India (AR ?)]
<i>flavigenum</i> Wyatt, 1991	[India (AR ?, KL, KN, TN)]
<i>frederici</i> Mengual & Ghorpadé in Mengual, 2012	[India (KN)]
<i>henryi</i> Ghorpadé, 1994	[Sri Lanka]
<i>marissa</i> Mengual, 2012	[India (AR)]

Dasyrphus Enderlein, 1938 [FBI: 72-73, 80-81 (as *Syrphus*); Vockeroth, 1969: 73-76; Or. Cat., 1975: 311-312; Ghorpadé, 1994: 9]

<i>darada</i> Ghorpadé, 1994	[India (JK)]
<i>lunulatus</i> (Meigen, 1822)	[Pakistan]
<i>orsua</i> (Walker, 1852)	[India (HP, JK, UK, WB); Nepal]
<i>pandu</i> Ghorpadé, 1994	[India (JK)]
<i>rossi</i> Ghorpadé, 1994	[India (KL, TN); Sri Lanka ?]
<i>sublunulatus</i> (Peck, 1966)	[Nepal]
<i>tricinctus</i> (Fallén, 1817)	[Pakistan]

Didea Macquart, 1834 [FBI: 56-57; Vockeroth, 1969: 108-110; Or. Cat., 1975: 312; Ghorpadé, 1994: 10]

<i>fasciata</i> Macquart, 1834 ?	[India (AS); Nepal ?]
<i>poorva</i> Ghorpadé, 1994	[India (MG); Burma]
<i>subalneti</i> Claussen & Weipert, 2003	[Nepal]
<i>vockerothi</i> Ghorpadé, 1994	[Pakistan; India (JK)]

Dideoides Brunetti, 1908 [FBI: 57-62; Vockeroth, 1969: 76-78; Or. Cat., 1975: 312-313; Ghorpadé, 1994: 10]

<i>kempi</i> Brunetti, 1923	[India (AR, MG, SI, WB); Nepal; Burma]
<i>ovatus</i> Brunetti, 1908	[India (MG, SI, WB)]
<i>tigerinus</i> (Bigot, 1885)	[India (MG); Burma]
<i>trilineatus</i> Brunetti, 1923	[India (AR); Burma]

Dideopsis Matsumura, 1917 [FBI: 64-65 (as '*Asarcina*'); Vockeroth, 1969: 113-114; Or. Cat., 1975: 313; Ghorpadé, 1994: 4]

<i>aegrota</i> (Fabricius, 1805)	[India (AN, AR, AS, KL, KN, MA, MG, MH, MP, SI, TN, UK, WB); Nepal; Bangladesh; Sri Lanka]
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Eosphaerophoria Frey, 1946 [Vockeroth, 1969: 134-135; Or. Cat., 1975: 313; Mengual & Ghorpadé, 2010; Mengual, 2013]

<i>dentiscutellata</i> (Keiser, 1958)	[Sri Lanka]
<i>punctata</i> Claussen & Weipert, 2003	[Nepal]
Unnamed sp. : (Ghorpadé, unpubl.)	[India (TN)]

Epistrophe Walker, 1852 [FBI: 77, 90-91 (as *Syrphus*); Vockeroth, 1969: 57-61; Or. Cat., 1975: 313-314; Ghorpadé, 1994: 10]

<i>aequalis</i> (Walker, 1852)	[India (HP, UK); Burma]
<i>car michaeli</i> Ghorpadé, 1994	[India (WB)]
<i>flavopilosa</i> Ghorpadé, 1994	[Burma]
<i>griseocincta</i> (Brunetti, 1923)	[India (JK, UK, WB); Nepal; Burma]

Epistrophella Dušek & Láška, 1967 [FBI: 81-82 (as *Syrphus*); Vockeroth, 1969: 61; Or. Cat., 1975: 314]

<i>quinquevittata</i> (Brunetti, 1923)	[India (MG, WB); Nepal]
<i>shibakawae</i> (Matsumura, 1917) ?	['India' ?]

Episyrphus Matsumura, in Matsumura & Adachi, 1917 [FBI: 82-84 (as *Syrphus*); Vockeroth, 1969: 124-125; Or. Cat., 1975: 314-315; Ghorpadé, 1981c, 1994: 10, 2009]

<i>arcifer</i> (Sack, 1927)	[Nepal; Sri Lanka]
<i>balteatus</i> (De Geer, 1776)	[Afghanistan; Pakistan; India (CH, HP, JK, PB, UK, UP ?); Nepal]

- divertens* (Walker, 1856) [Sri Lanka (Ghorpadé & Mayadunnage, unpubl.)]
viridaureus (Wiedemann, 1824) [Pakistan; India (AH, AR, AS, BI, CH, DL, GJ, HP, HR, KL, KN, MA, MG, MH, MP, PB, SI, TN, UK, UP, WB); Nepal; Bangladesh; Sri Lanka]
 [NOTE: *Baccha* (*Baccha*) *bistriatus* Kohli, Kapoor & Gupta, 1988, **syn. nov.** The type ♂ from "Pantnagar, 9.xi.1983, Ashwani Kumar" was seen by me in NPC, IARI (New Delhi) and found to be a synonym, and so this to be a new combination, **comb. nov.**]
- Eriozona** Schiner, 1860 [FBI: 103-105; Vockeroth, 1969: 115-116; Or. Cat., 1975: 315; Ghorpadé, 1994: 6]
analís Kertész, 1901 [India (SI, UK); Nepal]
- Ischiodon** Sack, 1913 [FBI: 97-99; Vockeroth, 1969: 103-106; Or. Cat., 1975: 315; Ghorpadé, 1994: 6]
scutellaris (Fabricius, 1805) [Afghanistan; Pakistan; India (AH, AN, AR, AS, BI, CH, DL, GJ, HP, HR, JK, KL, KN, MA, MH, MP, OR, PB, PO, RJ, TN, UK, UP, WB); Nepal; Burma; Bangladesh ?; Sri Lanka]
- Ischyrosyrphus** Bigot, 1882 [FBI: 65-66; Vockeroth, 1969: 78-80; Or. Cat., 1975: 316]
sivae Bigot, 1882 [India ?]
 Unnamed sp. ? : (Datta & Chakraborti, 1984: 238) [India (JK)]
- Leucozona** Schiner, 1860 [Vockeroth, 1969: 80-81; Ghorpadé, 1994: 11]
brunettii Ghorpadé, 1994 [India (UK)]
kingdonwardi Ghorpadé, 1994 [Nepal; Burma]
pruinosa Doczkal, 2003 [Nepal]
virendra Ghorpadé, 1994 [India (UK)]
- Macrosyrphus** Matsumura, 1917 [FBI: 92-94 (as *Syrphus*); Vockeroth, 1969: 62-66, 138; Or. Cat., 1975: 92-94 (as *Metasyrphus*); Ghorpadé, 2009: 10-11]
confrater (Wiedemann, 1830) [Afghanistan; Pakistan; India (AR, AS, BI, CH, DL, GJ, HP, HR ?, JK, KL ?, KN, MG, MH, PB, SI, TN, UK, UP, WB); Nepal]
- Megasyrphus** Dušek & Láska, 1967 [Vockeroth, 1969: 114-115; Ghorpadé, 1994: 5]
himalayensis Kohli, Kapoor & Gupta, 1988 [Pakistan; India (HP, JK); Nepal]
- Melangyna** Verrall, 1901 [FBI: 78-79 (as *Syrphus*); Vockeroth, 1969: 81-84; Or. Cat., 1975: 320 (as *Syrphus*); Ghorpadé, 1994: 5]
remota (Brunetti, 1923) [India (HP, JK, UK); Nepal]
- Meliscaeva** Frey, 1946 [FBI: 84-85 (as *Syrphus*); Vockeroth, 1969: 116-118; Or. Cat., 1975: 316-317; Ghorpadé, 1994: 11-12]
ceylonica (Keiser, 1958) [India (TN); Sri Lanka]
cinctelloides Ghorpadé, 1994 [India (MG, SI ?, WB)]
darjeelingensis Datta & Chakraborti, 1986 [India (WB)]
kusuma Ghorpadé, 1994 [India (WB)]
lefroyi Ghorpadé, 1994 [India (HP, JK, UK)]
magnifica Ghorpadé, 1994 [India (WB)]
malaisei Ghorpadé, 1994 [Burma]
mathisi Ghorpadé, 1994 [India (KL, TN)]
monticola (de Meijere, 1914) [Sri Lanka]
strigifrons (de Meijere, 1914) [Sri Lanka]
tribeni (Nayar, 1968) [India (HP, UK); Nepal ?]
 Unnamed sp. 1 : (Brunetti, 1923: 84) [India (HP, WB) : as "*cinctellus*"]
 Unnamed sp. 2 : (Coe, 1964: 262) [Nepal : as "*cinctellus*"]
- Metasyrphus** Matsumura, 1917 [FBI: 85-88 (as *Syrphus*); Vockeroth, 1969: 62-66; Or. Cat., 1975: 317; Dušek & Láska, 1976, 1980; Ghorpadé, 1994: 10-11, 2009; Mazánek *et al.*, 1998. These species are also treated as '*Eupeodes*']
bucculatus (Rondani, 1857) [Afghanistan; Pakistan; India (HP, JK, PB, SI ?, UK, WB); Nepal; Bhutan]

- corollae* (Fabricius, 1794) [Afghanistan; Pakistan; India (AR, CH, HP, JK, MG, PB, SI, UK, WB); Nepal]
- klapperichi* Dušek & Láška, 1980 [Afghanistan]
- latifasciatus* (Macquart, 1829) [Afghanistan; Pakistan; India (CH ?, HP, JK, PB); Nepal]
- luniger* (Meigen, 1822) ? [Afghanistan; India (HP, PB)]
- nitens* (Zetterstedt, 1843) [Afghanistan]
- nuba* (Wiedemann, 1830) [Afghanistan; Pakistan ?; India (HP ? JK ?); Nepal]
- stackelbergi* Dušek & Láška, 1980 [Afghanistan]
- tjanschanicus* (Peck, 1966) [Afghanistan]
- Parasyrphus*** Matsumura, 1917 [Vockeroth, 1969: 88-90, 138 (as *Phalacrodira*); Mutin, 1990; Ghorpadé, 1994: 12]
- aeneostoma* Matsumura, 1917 [India (JK ?); Nepal]
- kashmiricus* Ghorpadé, 1994 [India (JK)]
- kirghizorum* (Peck, 1969) [Nepal]
- lineolus* (Zetterstedt, 1843) [Nepal]
- makarkini* Mutin, 1990 [Nepal]
- montanus* (Peck, 1972) [Nepal]
- punctulatus* (Verrall, 1873) [Nepal]
- sherpa* Ghorpadé, 1994 [Nepal]
- thompsoni* Ghorpadé, 1994 [India (HP, JK, UK)]
- Unnamed sp. : (Claussen & Weipert, 2003) [Nepal]
- Rhinobaccha*** de Meijere, 1908 [FBI: 127-128; Or. Cat., 1975: 324; Ghorpadé, 1994: 12]
- gracilis* de Meijere, 1908 [Sri Lanka]
- krishna* Ghorpadé, 1994 [India (KL, TN)]
- peterseni* Ghorpadé, 1994 [India (KL, KN, TN)]
- Scaeva*** Fabricius, 1805 [FBI: 66-69 (as *Lasiophticus* [sic !], 78 (as *Syrphus*); Vockeroth, 1969: 70-72; Or. Cat., 1975: 317-318; Dušek & Láška, 1985; Kuznetsov, 1985; Ghorpadé, 1994: 12-13]
- albomaculata* (Macquart, 1842) [Afghanistan; Pakistan; India (JK)]
- caucasica* Kuznetsov, 1985 [Afghanistan; Nepal]
- hwangi* Ho, 1987 [SE. Tibet]
- latimaculata* (Brunetti, 1923) [Afghanistan; Pakistan; India (CH, DL, HP, JK, PB, RJ, UK, WB); Nepal]
- lunata* (Wiedemann, 1830) [Afghanistan; India (AR ?, CH ?, HP, MG?, PB, UK)]
- pyrastris* (Linnaeus, 1758) [Afghanistan; Pakistan; India (JK, PB, UK)]
- Sphaerophoria*** Lepeletier & Serville, 1828 [Brunetti, 1915: 212-217; FBI: 99-103; Vockeroth, 1969: 132-134; Or. Cat., 1975: 318-319; Joseph, 1968, 1970; Ghorpadé, 1994: 13]
- angulata* Claussen & Weipert, 2003 [Nepal]
- assamensis* Joseph, 1970 [India (AR, MG, SI, WB); Nepal; Burma]
- bengalensis* Macquart, 1842 [Afghanistan; Pakistan; India (BI, CH, DL, HP, JK, MH ?, PB, UK, UP, WB); Nepal]
- indiana* Bigot, 1884 [Pakistan; India (AR ?, AS, BI ?, CH, DL, HP, HR, JK, MG, MP ?, PB, SI, UK, UP, WB); Nepal; Bhutan; Burma]
- interrupta* (Fabricius, 1805) ? [Pakistan ?]
- knutsoni* Ghorpadé, 1994 [India (KL, TN)]
- ladakhensis* Ghorpadé, 1994 [India (JK)]
- macrogaster* (Thomson, 1869) [India (AH, KL, KN, MG, MH, MP, PB, SI, TN, WB); Nepal; Burma; Sri Lanka]
- rueppellii* (Wiedemann, 1830) [Afghanistan; Pakistan ?; India (JK)]
- scripta* (Linnaeus, 1758) [Afghanistan; Pakistan; India (GJ ?, JK); Nepal]
- viridaenea* Brunetti, 1915 [Afghanistan; Pakistan; India (HP, JK, SI ?, UK, WB); Nepal]
- vockerothi* Joseph, 1970 [India (AR, AS, MA)]
- Unnamed sp. 1 : (Claussen & Weipert, 2003: 362) [Nepal]

Unnamed sp. 2 : (Claussen & Weipert, 2003: 362)
 Unnamed sp. 3 : (Datta & Chakraborti, 1984: 239)

[Nepal : '*novaeangliae*'-group]
 [India (JK)]

Syrphus Fabricius, 1775 [FBI: 69-94; Vockeroth, 1969: 55-57; Or. Cat., 1975: 319-320; Ghorpadé, 1994: 13-14]

dalhousiae Ghorpadé, 1994
fulvifacies Brunetti, 1913

[India (HP, JK, UK)]
 [Pakistan; India (AR, HP, JK, MG, SI, UK, WB);
 Nepal]

howletti Ghorpadé, 1994
ribesii (Linnaeus, 1758)
torvus Osten Sacken, 1875
vitripennis Meigen, 1822

[India (JK)]
 [Afghanistan; Pakistan; India (HP, JK, UK); Nepal ?]
 [Pakistan; India (HP, JK, SI ?, UK, WB ?); Nepal]
 [Afghanistan; Pakistan (Ghorpadé & Shehzad, unpubl.);
 India (HP, JK)]

Unnamed sp. 1 : (Datta & Chakraborti, 1986)

[India (WB)]

Unnamed sp. 2 : (Aslamkhan *et al.*, 1997)

[Pakistan]

SPECIES INCERTAE SEDIS

agraensis Nayar & Nayar, 1965 **nom. nud.**

[India (UP)]

nietneri Schiner, 1868 **nom. nud.** (*cf* Cotes, 1893)

[Sri Lanka]

Xanthogramma Schiner, 1860 [Vockeroth, 1969: 90-92; Or. Cat., 1975: 320-321; Violovitsh, 1975]

Unnamed sp. : (Ghorpadé & Shehzad, 2013: 16)

[Pakistan]

Vockerothiella Ghorpadé, 1994 [Ghorpadé, 1994: 5]

[NOTE : Thompson (*in litt.*) treats this as a 'subgenus' of
Asarkina Macquart. Curran (1928: 235) had described the type-
 species *laticornis* as an '*Asarcina*' (= *Asarkina*)]

laticornis (Curran, 1928)

[Nepal]

Acknowledgements

I wish to say thank you to all my co-specialists on the Syrphidae, especially those working abroad, for all kinds of help, especially in providing me with some relevant recent papers which were inaccessible to me and not in my library. I want to say a special word of thanks to Dr J.S. Bhatti, Delhi, renowned specialist on the Thysanoptera, a valued senior systematic entomologist mentor of mine, for his interesting comradery in the laboratory and field for many years, and for goading and encouraging me to get my manuscript working file (kept since April 2011) of this list of Indian Syrphidae published quickly, and in urgency. It is now done, finally!

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