



Original article

A checklist of soldierflies (Diptera, Stratiomyidae) in India

Aijaz Ahmad Wachkoo^{a,*}, Ghulam Mustafa Shah^a, Ulfat Jan^a, Shahid Ali Akbar^b^a Department of Zoology, University of Kashmir, Srinagar, Jammu and Kashmir, India^b Central Institute of Temperate Horticulture, Srinagar, Jammu and Kashmir, India

ARTICLE INFO

Article history:

Received 1 January 2016

Received in revised form

27 March 2016

Accepted 5 April 2016

Available online 14 April 2016

Keywords:

Diptera

distribution

India

species inventory

Stratiomyidae

ABSTRACT

The Indian soldierfly fauna is rich and diverse, yet it is poorly studied as most species were described in the 19th century. Soldierflies, like most other organisms, especially in developing nations such as India, have been largely overlooked in recent times. In this study, we present an inventory of all names so far validly published in Indian Stratiomyidae. Synonyms, notes about type localities, depositories, and distribution are included. The study revealed that the soldierfly species list from India comprises 84 valid species, distributed in 35 genera and 7 subfamilies. The present study provides a synopsis of the regional taxonomical work carried out until now, and can serve as a baseline survey for future studies. The study indicates that most areas of the vast Indian territory are unexplored for soldierflies, and perhaps the majority of the soldierflies in India still remain discovered.

Copyright © 2016, National Science Museum of Korea (NSMK) and Korea National Arboretum (KNA). Production and hosting by Elsevier. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).

Introduction

India is one of the world's most biodiverse regions with a total area of about 3,287,263 km². The faunal diversity of India is rich and diversified because of a variety of eco-zones ranging from deserts to high mountains and tropical to temperate forests (Shah et al 2014). The Indian soldierfly fauna has been poorly known as most species were described in the 19th century. Apart from treatment by Brunetti (1920, 1923), the fauna has been neglected taxonomically. The majority of soldierflies, like most of the other organisms, were collected during early expeditions undertaken by European taxonomists and collectors. The study indicates that most of the species have been collected in selected regions of India, typically from Northeast Himalaya, whereas most of the other areas have not been explored for soldierflies. As such, perhaps the majority of the soldierflies in India still remain discovered.

The aim of this paper is to correct the errors in the study of Mitra (2012) so as to reduce confusion by eliminating future misinformation associated with Indian Stratiomyidae and facilitate forthcoming research on Indian soldierfly fauna by providing the first comprehensively researched species inventory. The species list presented here includes the names of all soldierfly species recorded

from the region that are available in the literature. Altogether, 35 genera and 84 valid species distributed in seven subfamilies are currently known from the area (Table 1).

Material and methods

The present study brings together scattered knowledge on the soldierflies described from India. The study is based on the available literature rather than on extensive new taxonomic work. Most of the names of the described species presented are in accordance with the most recent Stratiomyidae classification following Systema Dipterorum (Woodley 2001; Pape and Evenhuis 2013). The list is arranged systematically to subfamily level and alphabetically thereafter, to make the search easier for a given taxon. Main references to the original description and distributions are listed. The acronyms used for collections follow the standard of the Systema Dipterorum (Woodley 2001; Pape and Evenhuis, 2013), and their equivalents are as follows: BMNH—Natural History Museum, London, UK; BPBM—Department of Natural Sciences, Bernice P. Bishop Museum, Honolulu, HI, USA; CNC—Canadian National Collection, Ottawa, Ontario, Canada; FSMU—Faculty of Science, Masaryk University, Brno, Czech Republic; HNHM—Hungarian Natural History Museum, Budapest, Hungary; IEME—Institute of Evolution, Morphology and Ecology of Animals, Moscow, Russia; MHC—Martin Hauser Collection, Sacramento, California, USA; MNHNP—Museum National d'Histoire Naturelle, Paris, France; NMW—Naturhistorisches Museum, Vienna, Austria; NRS—Naturhistoriska Riksmuseet, Stockholm, Sweden; PAN—Polska

* Corresponding author. Tel.: +91 941 902 6340.

E-mail address: aijaz_shoorida@yahoo.co.in (A.A. Wachkoo).

Peer review under responsibility of National Science Museum of Korea (NSMK) and Korea National Arboretum (KNA).

Table 1. Soldierflies in India.

Subfamily	Genus	Species	Author(s)
Beridinae	<i>Actina</i>	<i>compta</i>	(Enderlein, 1921)
	<i>Allognosta</i>	<i>assamensis</i>	Brunetti, 1920
		<i>inermis</i>	Brunetti, 1912
Clitellariinae	<i>Beris</i>	<i>stigmatalis</i>	Enderlein, 1921
		<i>annulipes</i>	Brunetti, 1912
		<i>bistriata</i>	(Brunetti, 1912)
	<i>Adoxomyia</i>	<i>stylata</i>	(Brunetti, 1923)
		<i>heminopla</i>	(Wiedemann, 1819)
	<i>Campeprosopa</i>	<i>longispina</i>	(Brunetti, 1913)
	<i>Clitellaria</i>	<i>bilineata</i>	(Fabricius, 1805)
		<i>ignifera</i>	(Brunetti, 1923)
	<i>Cyphomyia</i>	<i>indica</i>	Brunetti, 1920
	<i>Eudmeta</i>	<i>brunnea</i>	De Meijere, 1904
		<i>diademipennis</i>	Brunetti, 1923
	<i>Nigritomyia</i>	<i>marginata</i>	(Fabricius, 1805)
		<i>andamanensis</i>	Das, Sharma, & Dev Roy, 1984
	<i>Ruba</i>	<i>cincta</i>	Brunetti, 1923
		<i>inflata</i>	Walker, 1859
Pachygastrinae	<i>Cibotogaster</i>	<i>argenthirta</i>	(Brunetti, 1907)
		<i>auricollis</i>	(Brunetti, 1907)
		<i>azurea</i>	(Gerstaecker, 1857)
	<i>Craspedometopon</i>	<i>frontale</i>	Kertész, 1909
		<i>orientale</i>	Rozkošný & Kovac, 2007
	<i>Culcua</i>	<i>ornans</i>	Rozkošný & Kozanek, 2007
	<i>Evaza</i>	<i>bipars</i>	Walker, 1856
		<i>flavipes</i>	Bigot, 1879
	<i>Gabaza</i>	<i>indica</i>	Kertész, 1906
		<i>albiseta</i>	(De Meijere, 1907)
		<i>argentea</i>	Walker, 1858
	<i>Monacanthomyia</i>	<i>annandalei</i>	(Krivoshchina, 2002)
<i>annulipes</i>		Brunetti, 1912	
<i>Pachygaster</i>	<i>annulipes</i>	Brunetti, 1920	
<i>Paracechorismenus</i>	<i>albipes</i>	(Brunetti, 1907)	
<i>Parastratiosphecomyia</i>	<i>freidbergi</i>	Woodley, 2012	
	<i>continua</i>	Walker, 1851	
<i>Ptilocera</i>	<i>simplex</i>	Mason & Rozkošný, 2011	
	<i>bimaculata</i>	Wulp, 1904	
<i>Rosapha</i>	<i>flavistigmatica</i>	Kovac & Rozkošný, 2012	
	<i>habilis</i>	Walker, 1859	
<i>Stratiosphecomyia</i>	<i>variegata</i>	Brunetti, 1913	
	<i>Tinda</i>	(Walker, 1851)	
Hermetiinae	<i>Zabrachia</i>	<i>annulifemur</i>	Brunetti, 1920
	<i>Hermetia</i>	<i>illucens</i>	(Linnaeus, 1758)
Sarginae	<i>Microchrysa</i>	<i>laeta</i>	De Meijere, 1904
		<i>calopa</i>	Brunetti, 1912
		<i>dichoptica</i>	James, 1957
	<i>Ptecticus</i>	<i>flaviventris</i>	(Wiedemann, 1824)
		<i>assamensis</i>	Brunetti, 1923
		<i>aurifer</i>	(Walker, 1854)
		<i>aurobrunneus</i>	Brunetti, 1920
		<i>australis</i>	Schiner, 1868
		<i>cingulatus</i>	Loew, 1855
	<i>Sargus</i>	<i>indicus</i>	Rozkošný & Hauser, 2009
		<i>kerteszi</i>	De Meijere, 1924
		<i>longipennis</i>	(Wiedemann, 1824)
<i>melanurus</i>		(Walker, 1848)	
<i>rogans</i>		(Walker, 1858)	
<i>srilankai</i>		Rozkošný & Hauser, 2001	
Stratiomyinae	<i>Afrodontomyia</i>	<i>tricolor</i>	Wulp, 1904
		<i>vulpianus</i>	(Enderlein, 1914)
		<i>cyaneus</i>	(Brunetti, 1912)
		<i>gemmifer</i>	Walker, 1849
		<i>mactans</i>	Walker, 1859
		<i>metallinus</i>	Fabricius, 1805
<i>Odontomyia</i>	<i>rufitarsis</i>	(Macquart, 1846)	
	<i>splendidus</i>	Brunetti, 1925	
	<i>rufoabdominalis</i>	(Brunetti, 1913)	
<i>cyanea</i>	Brunetti, 1920		

Table 1 (continued)

Subfamily	Genus	Species	Author(s)
Nemotelinae	<i>Oplodontha</i>	<i>kashmirensis</i>	Brunetti, 1920
		<i>lutatius</i>	Walker, 1849
		<i>ochropa</i>	Thomson, 1869
		<i>pulcherrima</i>	Brunetti, 1920
		<i>quadrata</i>	(Lindner, 1937)
		<i>solemnis</i>	Walker, 1851
		<i>transversa</i>	Brunetti, 1920
		<i>viridana</i>	(Wiedemann, 1824)
		<i>minuta</i>	(Fabricius, 1794)
		<i>rubrithorax</i>	(Macquart, 1838)
		<i>binotata</i>	(Séguy, 1934)
		<i>fumipennis</i>	(Kertész, 1923)
		<i>signata</i>	Brunetti, 1920
		<i>vitripennis</i>	(Doleschall, 1856)
		<i>approximata</i>	Brunetti, 1923
<i>ventralis</i>	Thomson, 1869		

Akademia Nauk, Warsaw, Poland; RNH—Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands; SMF—Forschungsinstitut und Naturmuseum Senckenberg, Frankfurt, Germany; SMNS—Museum für Naturkunde, Stuttgart, Germany; UMO—Oxford University Museum of Natural History, England; USNM—National Museum of Natural History, Washington, DC, USA; UNK—Unknown depository of type material; UZMC—Universitetets Zoologiske Museum, Copenhagen, Denmark; ZIB—Zuse Institute Berlin, Germany; ZMAN—Zoologische Museum, Universiteit van Amsterdam, Amsterdam, The Netherlands; ZMHU—Museum für Naturkunde der Humboldt-Universität, Berlin, Germany; and ZSI—Zoological Survey of India, Kolkata, India.

Taxonomic accounts

Subfamily Beridinae

Actina compta (Enderlein, 1921)

Hoplacantha compta Enderlein, 1921: 203. Type locality (TL): Darjeeling (India: West Bengal) [Holotype ♀: ZMHU]; Brunetti, 1923: 165; Woodley, 2001: 52.

Distribution. India (West Bengal).

Allognosta assamensis Brunetti, 1920

Allognosta assamensis Brunetti, 1920: 95. TL: Tura, Garo Hills (India: Meghalaya) [Holotype ♀: ZSI]; Brunetti, 1923: 164; Woodley, 2001: 54; Papp et al, 2006: 146.

Distribution. India (Meghalaya), Thailand.

Allognosta inermis Brunetti, 1912

Allognosta inermis Brunetti, 1912: 455. TL: Darjeeling (India: West Bengal) [Holotype ♂: ZSI]; Brunetti, 1920: 94, 1923: 163; Woodley, 2001: 56.

Distribution. China, India (West Bengal).

Allognosta stigmatalis Enderlein, 1921

Allognosta stigmatalis Enderlein, 1921: 184. TL: Darjeeling (India: West Bengal) [Syntypes 2 ♂, 3 ♀: ZMHU]; Brunetti, 1923: 164; Woodley, 2001: 57.

Distribution. India (West Bengal).

Beris annulipes Brunetti, 1912

Beris annulipes Brunetti, 1912: 455. TL: Darjeeling (India: West Bengal) [Holotype ♀: ZSI]; Brunetti, 1920: 92, 1923: 163; Woodley, 2001: 62.

Distribution. India (West Bengal).

Subfamily Clitelliariinae

Adoxomyia bistrata (Brunetti, 1912)

Clitellaria bistrata Brunetti, 1912: 452. TL: Bhowali, Kumaon (India: Uttarakhand) [Holotype ♂: ZSI]; Brunetti, 1920: 52, 1923: 90; Woodley, 2001: 150; Bučáňková, 2007: 32; Mitra and Bhattacharya, 2010: 388.

Distribution. India (Meghalaya, Uttarakhand), Thailand.

Adoxomyia stylata (Brunetti, 1923)

Ephippium stylatum Brunetti, 1923: 94. TL: Kangra Valley (India: Himachal Pradesh) [Holotype ♀: BMNH]; Woodley, 2001: 157; Martin Hauser, 2016 (unpublished).

Distribution. China, India (Himachal Pradesh), Nepal.

Adoxomyia heminopla (Wiedemann, 1819)

Clitellaria heminopla Wiedemann, 1819: 30. TL: Tharangambadi (India: Tamil Nadu) [Syntypes 1 ♂, 2 ♀: UZMC]; Brunetti, 1920: 50, 1923: 90; Parui and Lahiri, 1997: 373; Woodley, 2001: 151; Lahiri and Mitra, 2004: 136; Mitra et al, 2005: 149.

Adoxomyia hemienopla Hauser and Rozkošný, 1999: 8.

Distribution. India (Andhra Pradesh, Bihar, Delhi, Gujarat, Lakshadweep, Madhya Pradesh, Orissa, Punjab, Tamil Nadu, Thar Desert, Uttar Pradesh, West Bengal), Myanmar, Pakistan, Sri Lanka.

Campeprosopa longispina (Brunetti, 1913)

Ampsalis longispina Brunetti, 1913a: 264. TL: Singla, Darjeeling (India: West Bengal) [Lectotype ♂: BMNH; Paralectotype 1 ♀: BMNH; Paralectotypes 2 ♂, 3 ♀: ZSI]; Brunetti, 1920: 44, 1923: 109; Joseph and Ray, 1976: 278; Woodley, 2001: 155; Papp et al, 2006: 147; Mason and Rozkošný, 2008: 59.

Distribution. India (Arunachal Pradesh, Meghalaya, West Bengal), Laos, Thailand.

Clitellaria bilineata (Fabricius, 1805)

Stratiomys bilineata Fabricius, 1805: 79. TL: Sumatra (Indonesia) [Syntype 1 ♀: UZMC]; Brunetti, 1920: 46, 1923: 93; Woodley, 2001: 156.

Clitellaria bivittata Wiedemann, 1819: 6.

Ephippium angustum Macquart, 1834: 252.

Rhaphiocera spinithorax Macquart, 1848: 177.

Clitellaria tenebrica Walker, 1849: 522.

Ephippium spinigerum Doleschall, 1856: 407.

Stratiomys bilienata Kertész, 1921: 159.

Distribution. India, Indonesia, Malaysia, Thailand.

Clitellaria ignifera (Brunetti, 1923)

Ephippium igniferum Brunetti, 1923: 94. TL: Salween Hill Tracts (Myanmar: Tenasserim) [Holotype ♂: BMNH; Paratype 1 ♂: BMNH]; Woodley, 2001: 157.

Distribution. India (Assam), Laos, Myanmar.

Cyphomyia indica Brunetti, 1920

Cyphomyia indica Brunetti, 1920: 57. TL: Kalimpong, Darjeeling (India: West Bengal) [Holotype ♀: ZSI]; Brunetti, 1923: 114; Woodley, 2001: 161.

Distribution. India (West Bengal).

Eudmeta brunnea De Meijere, 1904

Eudmeta brunnea De Meijere, 1904: 94. TL: Darjeeling (India: West Bengal) [Syntypes 1 ♂, 2 ♀: ZMAN]; Brunetti, 1920: 43, 1923: 108; Woodley, 2001: 166.

Distribution. India (Nagaland, West Bengal).

Eudmeta diadematipennis Brunetti, 1923

Eudmeta diadematipennis Brunetti, 1923: 108. TL: Khasi Hills (India: Meghalaya) [Syntypes 2 ♀: BMNH]; Woodley, 2001: 166; Yang et al, 2008: 829.

Distribution. China, India (Meghalaya).

Eudmeta marginata (Fabricius, 1805)

Hermetia marginata Fabricius, 1805: 63. TL: Sumatra (Indonesia) [Syntype 1 ♀: UZMC]; Brunetti, 1913a: 264, 1920: 42, 1923: 107; Joseph and Rao, 1972: 107; Woodley, 2001: 166; Datta and Parui, 2004: 468.

Hermetia singularis Guérin-Méneville, 1835: plate 98, Figure 1.

Hermetia cingulalis Guérin-Méneville, 1838: 290.

Hermetia cingulatis Guérin-Méneville, 1844: 543.

Hermetia cingularis Guérin-Méneville, 1844: 568.

Toxocera limbiventris Macquart, 1850: 349.

Toxocera limbinervis Osten Sacken, 1882: 367.

Eudmeta marginata form *obscura* De Meijere, 1911: 262.

Eudmeta marginata form *pallida* De Meijere, 1911: 263.

Distribution. India (Arunachal Pradesh, Manipur, West Bengal), Indonesia, Laos, Malaysia, Myanmar, Philippines.

Nigritomyia andamanensis Das, Sharma and Dev Roy, 1984

Nigritomyia andamanensis Das, Sharma and Dev Roy, 1984: 99. TL: Sippighat (India: Andaman Islands) [Holotype ♂: ZSI; Paratype 1 ♂, 3 ♀: ZSI]; Das et al, 1996: 329; Woodley, 2001: 170.

Distribution. India (Andaman and Nicobar Islands).

Ruba cincta Brunetti, 1923

Ruba cincta Brunetti, 1923: 92. TL: Ghumti, Darjeeling (India: West Bengal) [Holotype ♀: ZSI]; Woodley, 2001: 173.

Distribution. India (Nagaland, West Bengal).

Ruba inflata Walker, 1859

Ruba inflata Walker, 1859: 101. TL: Ujung Pandang (Indonesia: Sulawesi) [Syntype 1 ♂: BMNH]; Brunetti, 1920: 49, 1923: 90; Woodley, 2001: 173.

Eudmeta flavida Brunetti, 1912: 454.

Distribution. India (Nagaland, West Bengal), Indonesia.

Subfamily Pachygastrinae

Cibotogaster argentihiarta (Brunetti, 1907)

Acanthina argentea Brunetti, 1907: 132. TL: Kolkata (India: West Bengal) [Holotype ♂: ZSI]; Brunetti, 1920: 28, 1923: 64; Woodley, 2001: 92.

Acanthina argentihirta Brunetti, 1907: corrigendum slip.

Distribution. India (West Bengal), Myanmar.

***Cibotogaster auricollis* (Brunetti, 1907)**

Acanthina auricollis Brunetti, 1907: 100. TL: Sadiya (India: Assam) [Holotype ♂: ZSI]; Brunetti, 1920: 26, 1923: 63; Woodley, 2001: 93. *Acanthina auricollis* Brunetti, 1912: 449.

Distribution. India (Assam, Karnataka, Meghalaya, Nagaland), Laos, Vietnam.

***Cibotogaster azurea* (Gerstaecker, 1857)**

Acanthina azurea Gerstaecker, 1857: 335. TL: Sri Lanka [Syntype ♂: ZMHU]; Brunetti, 1920: 26, 1923: 63; Woodley, 2001: 93. *Cibotogaster azures* Krivosheina, 1993: 674.

Distribution. India (Assam, Karnataka, Meghalaya, Nagaland), Indonesia, Philippines, Sri Lanka.

***Craspedometopon frontale* Kertész, 1909**

Craspedometopon frontale Kertész, 1909: 375. TL: Kosempo (China: Taiwan) [Syntype ♀: BMNH; Syntypes 1 ♂, 1 ♀: SMN]; Brunetti, 1913a: 263, 1920: 29, 1923: 62; Woodley, 2001: 94; Rozkošný and Kovac, 2007: 210.

Craspedometopon frontal Ôuchi, 1938.

Distribution. China, India (Sikkim, West Bengal), Japan, Nepal, Taiwan.

***Craspedometopon orientale* Rozkošný and Kovac, 2007**

Craspedometopon orientale Rozkošný and Kovac, 2007: 212. TL: Ban Nam Rin, Pangmapa (Thailand: Mae Hong Son Province) [Holotype ♂: SMF; Paratypes 2 ♂, 1 ♀: FSMU; Paratypes 3 ♂: MHC; Paratypes 2 ♂: USNM; Paratypes 2 ♂, 3 ♀: BPBM; Paratypes 6 ♂, 9 ♀: SMF].

Distribution. India (Meghalaya), Laos, Nepal, Thailand.

***Calcuia ornans* Rozkošný and Kozanek, 2007**

Calcuia ornans Rozkošný and Kozanek, 2007: 48. TL: West Garo Hills, Nokrek Pool (India: Meghalaya) [Holotype ♀: ZIB]; Woodley, 2011: 398.

Distribution. India (Meghalaya).

***Evaza bipars* Walker, 1856**

Evaza bipars Walker, 1856a: 110. TL: Sarawak (Malaysia) [Holotype ♂: BMNH]; Brunetti, 1920: 32, 1923: 76; Woodley, 2001: 103. *Evaza bipars* var. *minor* Enderlein, 1914a: 294.

Distribution. Australia, India (Darjeeling), Indonesia, Malaysia, Papua New Guinea, Philippines.

***Evaza flavipes* Bigot, 1879**

Evaza flavipes Bigot, 1879a: 219. TL: India [Holotype ♀: BMNH]; Brunetti, 1920: 32, 1923: 78; Woodley, 2001: 104.

Distribution. India (Darjeeling), Malaysia.

***Evaza indica* Kertész, 1906**

Evaza indica Kertész, 1906: 289. TL: Mumbai (India: Maharashtra) [Syntypes 2 ♂, 1 ♀: HNHM, destroyed]; Brunetti, 1920: 33, 1923: 78; Woodley 2001: 105.

Distribution. China, India (Maharashtra).

***Gabaza albisetia* (De Meijere, 1907)**

Wallacea albisetia De Meijere, 1907: 236. TL: Semarang (Indonesia: Java) [Syntype 1 ♂: RNH; Syntypes 6 ♂, 1 ♀: ZMAN]; Brunetti, 1923: 62; Woodley, 2001: 107; Papp et al, 2006: 147.

Wallacea albisetia ssp. *borealis* James, 1962: 101.

Distribution. Bonin Islands, China, Guam, Hawaiian Islands, India, Indonesia, Japan, Malaysia, Northern Mariana Islands, Russia, Sri Lanka, Taiwan, Thailand.

***Gabaza argentea* Walker, 1858**

Gabaza argentea Walker, 1858: 80. TL: Kepulauan Aru (Indonesia: Maluku) [Holotype ♂: BMNH]; Brunetti, 1920: 25, 1923: 61; Woodley, 2001: 107.

Wallacea argentea Doleschall, 1859: 82.

Wallacea argentea Kertész, 1909: 397.

Pachygaster nigrofemorata Brunetti, 1912: 449.

Wallacea splendens Hardy, 1933: 410.

Distribution. Australia, Belau, Christmas Island, India (Bihar, Karnataka, Kolkata, Mumbai, Orissa), Indonesia, Malaysia, Myanmar, Papua New Guinea, Philippines, Solomon Islands, Vanuatu.

***Gabaza brunettii* (Krivosheina, 2002)**

Wallacea brunettii Krivosheina, 2002: 111. TL: Allahabad (India: Uttar Pradesh) [Holotype ♂: IEME]; Woodley, 2011: 399.

Distribution. India (Uttar Pradesh).

***Monacanthomyia annandalei* Brunetti, 1912**

Monacanthomyia annandalei Brunetti, 1912: 448. TL: Kurseong, Darjeeling (India: West Bengal) [Holotype ♂: ZSI]; Brunetti, 1920: 23, 1923: 53; Woodley, 2001: 120; Papp et al, 2006: 147.

Distribution. India (West Bengal), Thailand.

***Pachygaster annulipes* Brunetti, 1920**

Pachygaster annulipes Brunetti, 1920: 21. TL: Margherita (India: Assam) [Holotype ♀: ZSI]; Brunetti, 1923: 56; Woodley, 2001: 125.

Distribution. India (Assam).

***Paracechorismenus albipes* (Brunetti, 1907)**

Pachygaster albipes Brunetti, 1907: 102. TL: Kolkata (India: West Bengal) [Syntypes 3 ♀: ZSI; Syntype 1 ♀: BMNH]; Brunetti, 1920: 21, 1923: 54; Woodley, 2001: 128.

Distribution. India (Bihar, West Bengal).

***Parastratiosphecomyia freidbergi* Woodley, 2012**

Parastratiosphecomyia freidbergi Woodley, 2012: 10. TL: Nongpoh Forest (India: Meghalaya) [Holotype ♂: USNM; Paratype 1 ♂: USNM].

Distribution. India (Meghalaya).

***Ptilocera continua* Walker, 1851**

Ptilocera continua Walker, 1851: 84. TL: Java (Indonesia) [Holotype ♀: BMNH]; Brunetti, 1913a: 261, 1920: 34, 1923: 69; Joseph and Rao, 1972: 106; Woodley, 2001: 136; Datta and Parui, 2004: 463; Mason and Rozkošný, 2011: 10.

Ptilocera fastuosa Gerstaecker, 1857: 332.

Ptilocera fastuosa ssp. *dilutiapitis* Lindner, 1938: 434.

Distribution. Cambodia, India (Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Karnataka, Kerala, Manipur, Meghalaya,

Tamil Nadu, West Bengal), Indonesia, Laos, Malaysia, Myanmar, Nepal, Philippines, Singapore, Sri Lanka, Thailand, Vietnam.

***Ptilocera simplex* Mason and Rozkošný, 2011**

Ptilocera simplex Mason and Rozkošný, 2011: 15. TL: Tura, West Garo Hills (India: Meghalaya) [Holotype ♂: ZIB; Paratypes 1 ♂, 1 ♀: BMNH; Paratype 1 ♀: SMF].

Distribution. India (Meghalaya, West Bengal), Thailand.

***Rosapha bimaculata* Wulp, 1904**

Rosapha bimaculata Wulp, 1904: 96. TL: Gunong Tji Salimar, West Prelanger (Indonesia: Java) [Holotype ♂: ZMAN]; Brunetti, 1923: 73; Woodley, 2001: 137; Kovac and Rozkošný, 2012: 4.

Distribution. India (Assam, Meghalaya), Indonesia, Laos, Malaysia, Thailand, Vietnam.

***Rosapha flavistigmatica* Kovac and Rozkošný, 2012**

Rosapha flavistigmatica Kovac and Rozkošný, 2012: 9. TL: Cinchona, Anaimalai Hills (India: Tamil Nadu) [Holotype ♂: BPBM; Paratype 1 ♂: BPBM].

Distribution. India (Tamil Nadu), Malaysia.

***Rosapha habilis* Walker, 1859**

Rosapha habilis Walker, 1859: 100. TL: Ujung Pandang (Indonesia: Sulawesi) [Syntype 1 ♂: BMNH; Syntype 1 ♀: UMO]; Joseph and Rao, 1972: 107; Woodley, 2001: 137; Kovac and Rozkošný, 2012: 10. *Calochaetis bicolor* Bigot, 1877: 102. *Calochaetis bicolor* Bigot, 1879b: 189. *Rosapha bicolor* var. *philippinensis* Brunetti, 1923: 72.

Distribution. India (Arunachal Pradesh, Assam, Meghalaya, Nagaland, Tamil Nadu, West Bengal), Indonesia, Mariana Islands, Philippines, Thailand.

***Stratiosphecomyia variegata* Brunetti, 1913**

Stratiosphecomyia variegata Brunetti, 1913a: 262. TL: Darjeeling (India: West Bengal) [Syntypes 4 ♂: ZSI; Syntype 1 ♂: BMNH]; Brunetti, 1920: 37, 1923: 66; Datta and Chakraborti, 1985: 232; Woodley, 2001: 142; Datta and Parui, 2003: 291.

Distribution. India (Arunachal Pradesh, Meghalaya, Sikkim, West Bengal), Laos.

***Tinda indica* (Walker, 1851)**

Biastes indicus Walker, 1851: 81. TL: India [Syntype ♀: BMNH]; Brunetti, 1920: 30, 1923: 74; Parui and Datta, 1987: 242; Woodley, 2001: 144, 2009a: 102. *Phyllophora angusta* Walker, 1856b: 7. *Phyllophora bispinosa* Thomson, 1869: 454.

Distribution. India (Andaman and Nicobar Islands, Assam, Bihar, Meghalaya, Orissa, West Bengal), Indonesia, Malaysia, Philippines, Réunion, Seychelles, Singapore.

***Zabrachia annulifemur* Brunetti, 1920**

Zabrachia annulifemur Brunetti, 1920: 22. TL: Annandale, Shimla (India: Himachal Pradesh) [Holotype ♂: BMNH, lost]; Brunetti, 1923: 55; Woodley, 2001: 147.

Distribution. India (Himachal Pradesh).

Subfamily Hermetiinae

***Hermetia illucens* (Linnaeus, 1758)**

Musca illucens Linnaeus, 1758: 589. TL: South America [Syntype?: NRS]; Brunetti, 1920: 39; Woodley, 2001: 182, 2009a: 103; Datta and Parui, 2003: 291, 2004: 468. *Musca leucopa* Linnaeus, 1767: 983. *Hermetia rufiventris* Fabricius, 1805: 63. *Hermetia pellucens* Macquart, 1834: explication des planches 4: Planche V, Figure 11. *Hermetia nigrifacies* Bigot, 1879b: 200. *Hermetia mucens* Riley and Howard, 1889: 353. *Hermetia illucens* var. *nigritibia* Enderlein, 1914b: 9. *Hermetia illuscens* Copello, 1926: 23.

Distribution. Africa, Albania, Argentina, Australia, Belau, Belize, Bonin Islands, Brazil, British Virgin Islands, Cameroun, Canary Islands, Chile, Colombia, Congo, Costa Rica, Croatia, Dominica, Dominican Republic, Ecuador, El Salvador, France, French Polynesia, Ghana, Grenada, Guam, Guatemala, Guyana, Haiti, Hawaiian Islands, Honduras, India (Assam, Karnataka, Kerala, Maharashtra, Manipur, Punjab, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal), Indonesia, Italy, Ivory Coast, Jamaica, Japan, Kenya, Kiribati, Madagascar, Malaysia, Mali, Malta, Marshall Islands, Mexico, Micronesia, Namibia, Nepal, New Caledonia, New Zealand, Northern Marianas, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Puerto Rico, Seychelles, Solomon Islands, South Africa, Spain, Sri Lanka, Suriname, Switzerland, Taiwan, Tanzania, Thailand, Trinidad, Uruguay, Vanuatu, Venezuela, Vietnam, Western Samoa, Yugoslavia, Zaire, Zambia.

***Hermetia laeta* De Meijere, 1904**

Hermetia laeta De Meijere, 1904: 93. TL: Bakarganj (Bangladesh) [Syntypes 2 ♂, 3 ♀: ZMAN]; Brunetti, 1920: 40, 1923: 104; Woodley, 2001: 183.

Distribution. Bangladesh, India (West Bengal), Malaysia.

Subfamily Sarginae

***Microchrysa calopa* Brunetti, 1912**

Microchrysa calopus Brunetti, 1907: 103. *Microchrysa calopa* Brunetti, 1912: 453. TL: Margherita (India: Assam), Chota Nagpur, Parasnath (India: Jharkhand) [Syntypes 2 ♀: ZSI], Preoccupied, primary homonym of *Microchrysa calopus* Brunetti, 1907: 103; Brunetti, 1920: 88, 1923: 161; Parui and Datta, 1987: 241; Woodley, 2001: 203; Papp et al, 2006: 147.

Distribution. India (Assam, Bihar, Jharkhand, Orissa, Uttarakhand), Thailand.

***Microchrysa dichoptica* James, 1957**

Microchrysa dichoptica James, 1957: 25. TL: Palni Hills, Kodaikanal (India: Tamil Nadu) [Holotype ♂: CNC]; Woodley, 2001: 204.

Distribution. India (Tamil Nadu).

***Microchrysa flaviventris* (Wiedemann, 1824)**

Sargus flaviventris Wiedemann, 1824: 31. TL: East Indies [Syntype ♂: UZMC]; Brunetti, 1920: 88, 1923: 160; Joseph and Ray, 1976: 277; Woodley 2001: 204, 2009a: 103, 2009b: 527; Papp et al, 2006: 147; Mitra et al, 2011: 179. *Sargus affinis* Wiedemann, 1824: 31. *Chrysomyia annulipes* Thomson, 1869: 461. *Microchrysa gemma* Bigot, 1879a: 231. *Chrysochroma apicale* Matsumura, 1916: legend to plate XXII.

Chrysochroma apicalis Matsumura, 1916: 373.
Microchrysa flaviventrai Ôuchi, 1940: 283.

Distribution. Belau, China, Comoro Islands, Guam, India (Arunachal Pradesh, Chhattisgarh, Karnataka, Punjab, Uttar Pradesh, Uttarakhand, West Bengal), Indonesia, Japan, Madagascar, Malaysia, Micronesia, New Caledonia, Northern Mariana Island, Pakistan, Papua New Guinea, Philippines, Réunion, Russia, Seychelles, Solomon Islands, Sri Lanka, Taiwan, Thailand, Vanuatu, USA.

***Ptecticus assamensis* Brunetti, 1923**

Ptecticus assamensis Brunetti, 1923: 148. TL: Tura, Garo Hills (India: Meghalaya) [Holotype ♀: ZSI]; Woodley, 2001: 209; Rozkošný and Kovac, 2003: 194; Rozkošný and Hauser, 2009: 28.

Distribution. India (Meghalaya), Laos, Malaysia.

***Ptecticus aurifer* (Walker, 1854)**

Sargus aurifer Walker, 1854: 96. TL: India, North China (China) [Lectotype ♂: BMNH; Paralectotype 1 ♂: BMNH]; Brunetti, 1920: 78, 1923: 138; Joseph and Rao, 1972: 107; Woodley, 2001: 209, 2011: 402; Rozkošný, 2002: 22; Datta and Parui, 2003: 290, 2004: 467; Rozkošný and Kovac, 2003: 194; Rozkošný and Courtney, 2005: 347; Papp et al, 2006: 147; Rozkošný and Hauser, 2009: 26; Mitra and Bhattacharya, 2010: 388.

Sargus insignis Macquart, 1855: 66.

Gongrozus sauteri Enderlein, 1914c: 586.

Ptecticus okinawae James, 1950: 184.

Distribution. China, India (Arunachal Pradesh, Assam, Kerala, Manipur, Meghalaya, Sikkim, Uttarakhand, West Bengal), Indonesia, Japan, Malaysia, Russia, Taiwan, Thailand, Vietnam.

***Ptecticus aurobrunneus* Brunetti, 1920**

Ptecticus aurobrunneus Brunetti, 1920: 76. TL: Parambikulam, Kochi (India: Kerala) [Holotype ♂: ZSI]; Brunetti, 1923: 139; Woodley, 2001: 209; Rozkošný and Hauser, 2009: 26.

Distribution. India (Kerala), Myanmar.

***Ptecticus australis* Schiner, 1868**

Ptecticus australis Schiner, 1868: 65. TL: Fauji (India: Nicobar Islands) [Holotype ♀: NMW]; Brunetti, 1920: 79, 1923: 148; Datta et al, 1997: 22; Woodley, 2001: 209; Datta and Parui, 2003: 290; Rozkošný and Courtney, 2005: 347; Hauser and Rozkošný, 2007: 337; Mitra and Parui, 2007: 352; Rozkošný and Hauser, 2009: 28; Mitra et al, 2011: 179.

Distribution. China, India (Andaman and Nicobar Islands, Assam, Bihar, Chhattisgarh, Haryana, Karnataka, Madhya Pradesh, Meghalaya, Mizoram, Punjab, Sikkim, Tamil Nadu, Uttarakhand, West Bengal), Indonesia, Japan, Sri Lanka, Taiwan, Thailand.

***Ptecticus cingulatus* Loew, 1855**

Ptecticus cingulatus Loew, 1855: 143. TL: Pulo-Penang (Malaysia) [Holotype ♂: ZMHU]; Brunetti, 1923: 143; Rozkošný and Hauser, 2001: 218, 2009: 27; Woodley, 2001: 210; Rozkošný and Kovac, 2003: 195; Rozkošný and Courtney, 2005: 347.

Sargus latifascia Walker, 1856a: 110.

Ptecticus cingulatus var. *ceylonicus* Brunetti, 1920: 80.

Distribution. India (Assam, Karnataka, Tamil Nadu), Indonesia, Malaysia, Singapore, Sri Lanka, Taiwan.

***Ptecticus indicus* Rozkošný and Hauser, 2009**

Ptecticus indicus Rozkošný and Hauser, 2009: 9. TL: Cinchona, Anaimalai Hills (India: Tamil Nadu) [Holotype ♂: CNC].

Distribution. India (Tamil Nadu).

***Ptecticus kerteszi* De Meijere, 1924**

Ptecticus kerteszi De Meijere, 1924: 11. TL: Gunung Talamau (Indonesia: Sumatra) [Holotype ♂: ZMAN]; Woodley, 2001: 213; Rozkošný and Kovac, 2003: 196; Rozkošný and Hauser, 2009: 26.

Ptecticus zhejiangensis Yang and Yang, 1995: 490.

Distribution. China, India (Himachal Pradesh), Indonesia, Laos, Nepal, Thailand.

***Ptecticus longipennis* (Wiedemann, 1824)**

Sargus longipennis Wiedemann, 1824: 31. TL: Java (Indonesia) [Lectotype ♂: UZMC; Paralectotype 1 ♂: UZMC]; Brunetti, 1920: 75, 1923: 140; Woodley, 2001: 213, 2011: 404; Rozkošný, 2002: 23; Rozkošný and Kovac, 2003: 196; Hauser and Rozkošný, 2007: 339; Rozkošný and Hauser, 2009: 28.

Gongrozus nodivena Enderlein, 1914c: 585.

Gongrozus nodivena var. *stiginotum* Enderlein, 1914c: 586.

Distribution. India (Assam, Meghalaya), Indonesia, Malaysia, Philippines, Singapore, Thailand.

***Ptecticus melanurus* (Walker, 1848)**

Ctenophora melanura Walker, 1848: 78. TL: Nepal [Lectotype ♂: BMNH; Paralectotype 1 ♂: BMNH]; Brunetti, 1913a: 263, 1923: 138; Woodley, 2001: 214, 2011: 404; Rozkošný, 2002: 26; Rozkošný and Kovac, 2003: 199; Rozkošný and Hauser, 2009: 26.

Ptecticus apicalis Loew, 1855: 142.

Sargus luridus Walker, 1856c: 8.

Sargus leoninus Rondani, 1875: 454.

Ptecticus apicalis Wulp, 1885: 62.

Ptecticus wulpii Brunetti, 1907: 111.

Ptecticus ochraceus Enderlein, 1914c: 582.

Distribution. China, India (Assam, Himachal Pradesh, Kerala, Meghalaya, Sikkim, Tamil Nadu, Uttarakhand, West Bengal), Indonesia, Laos, Malaysia, Nepal, Pakistan, Singapore, Thailand.

***Ptecticus rogans* (Walker, 1858)**

Sargus rogans Walker, 1858: 81. TL: Kepulauan Aru (Indonesia: Maluku) [Lectotype ♀: BMNH]; Brunetti, 1923: 145; Woodley, 2001: 216, 2011: 405; Rozkošný and de Jong, 2003: 256; Hauser and Rozkošný, 2007: 339.

Ptecticus doleschallii Bigot, 1879a: 231.

Ptecticus doleschallii Wulp, 1896: 50.

Ptecticus doleschallii Wulp, 1896: 411.

Ptecticus queenslandicus Daniels, 1979: 580.

Distribution. Australia, India (Uttar Pradesh), Indonesia, Papua New Guinea, Philippines.

***Ptecticus srilankai* Rozkošný and Hauser, 2001**

Ptecticus ceylonicus Rozkošný and Hauser, 1998: 337. Preoccupied, primary homonym of *Ptecticus cingulatus* var. *ceylonicus* Brunetti, 1920: 80.

Ptecticus srilankai Rozkošný and Hauser, 2001: 221. TL: Kandy Lake (Sri Lanka) [Holotype ♂: SMNS; Paratypes 2 ♂, 1 ♀: SMNS]; Woodley, 2001: 210, 2011: 405; Rozkošný and Kovac, 2003: 206; Hauser and Rozkošný, 2007: 339; Rozkošný and Hauser, 2009: 28.

Distribution. Cambodia, India (Meghalaya, Tamil Nadu), Sri Lanka, Thailand, Vietnam.

***Ptecticus tricolor* Wulp, 1904**

Ptecticus tricolor Wulp, 1904: 95. TL: Sukabumi (Indonesia: Java) [Holotype ♂, ZMAN]; Brunetti, 1923: 139; Woodley, 2001: 218; Rozkošný and Hauser, 2009: 27.

Distribution. India (West Bengal), Indonesia, Thailand.

***Ptecticus vulpianus* (Enderlein, 1914)**

Gongrozus vulpianus Enderlein, 1914c: 586. TL: Soekaranda (Indonesia: Sumatra) [Lectotype ♂: PAN; Paralectotype 3 ♂, 3 ♀: PAN]; Brunetti, 1923: 152; Woodley, 2001: 219, 2011: 405; Rozkošný, 2002: 31; Rozkošný and Kovac, 2003: 208; Rozkošný and Courtney, 2005: 348; Rozkošný and Hauser, 2009: 28.

Ptecticus rectinervis De Meijere, 1914: 15.

Distribution. India, Indonesia, Japan, Malaysia, Taiwan, Thailand.

***Sargus cyaneus* (Brunetti, 1912)**

Ptecticus cyaneus Brunetti, 1912: 453. TL: Ukhral (India: Manipur) [Holotype ♀: ZSI]; Brunetti, 1920: 75, 1923: 151; Woodley, 2001: 222; Datta and Parui, 2004: 467.

Distribution. India (Manipur, Tamil Nadu).

***Sargus gemmifer* Walker, 1849**

Sargus gemmifer Walker, 1849: 516. TL: Sylhet (Bangladesh) [Holotype ♂: BMNH]; Brunetti, 1920: 81, 1923: 150; Woodley, 2001: 224.

Sargus magnificus Bigot, 1879a: 222.

Distribution. Bangladesh, China, India (Meghalaya), Indonesia, Malaysia, Myanmar, Pakistan, Thailand.

***Sargus mactans* Walker, 1859**

Sargus mactans Walker, 1859: 97. TL: Ujung Pandang (Indonesia: Sulawesi) [Holotype ♂: BMNH]; Brunetti, 1920: 83, 1923: 156; Joseph and Parui, 1977: 335; Hauser and Rozkošný, 1999: 8; Woodley, 2001: 226.

Distribution. Australia, India (Arunachal Pradesh, Meghalaya, Uttarakhand), Indonesia, Japan, Malaysia, Nepal, Pakistan, Papua New Guinea, Sri Lanka.

***Sargus metallinus* Fabricius, 1805**

Sargus metallinus Fabricius, 1805: 258. TL: Tharangambadi (India: Tamil Nadu) [Syntype ? : UZMC]; Brunetti, 1917: 106, 1920: 82, 1923: 157; Datta and Chakraborti, 1985: 232; Parui and Datta, 1987: 241; Woodley, 2001: 227; Datta and Parui, 2003: 290, 2004: 467; Lahiri and Mitra, 2004: 136.

Sargus formicaeformis Doleschall, 1857: 403.

Sargus redhibens Walker, 1859: 97.

Sargus pallipes Bigot, 1879a: 222.

Sargus metallinus Yang and Chen, 1993: 586.

Distribution. China, India (Andaman and Nicobar Islands, Arunachal Pradesh, Bihar, Delhi, Gujarat, Himachal Pradesh, Karnataka, Kerala, Maharashtra, Manipur, Meghalaya, Orissa, Punjab, Sikkim, Uttar Pradesh, Uttarakhand, West Bengal), Indonesia, Japan, Korea, Malaysia, Myanmar, New Caledonia, Papua New Guinea, Philippines, Russia, Singapore, Solomon Islands, Sri Lanka, Thailand.

***Sargus rufitarsis* (Macquart, 1846)**

Pachygaster rufitarsis Macquart, 1846: 185. TL: Pondicherry (India) [Syntype ♂: UNK]; Brunetti, 1923: 56; Woodley, 2001: 228.

Distribution. India (Pondicherry).

***Sargus splendidus* Brunetti, 1925**

Sargus splendens Brunetti, 1923: 154. Preoccupied, primary homonym of *Sargus splendens* Meigen, 1804: 144 and Bigot, 1879a: 224.

Sargus splendidus Brunetti, 1925: 451. TL: Tura, Garo Hills (India: Meghalaya) [Holotype ♂: ZSI]; Woodley, 2001: 229.

Distribution. India (Meghalaya).

Subfamily Stratiomyinae

***Afrodontomyia rufoabdominalis* (Brunetti, 1913)**

Odontomyia rufoabdominalis Brunetti, 1913: 265. TL: Darjeeling (India: West Bengal) [Holotype ♂: ZSI]; Brunetti, 1920: 64, 1923: 119; James, 1940: 2; Woodley, 2001: 260.

Afrondontomyia rufoabdominalis Mitra, 2012: 179.

Distribution. India (Sikkim, West Bengal).

***Odontomyia cyanea* Brunetti, 1920**

Odontomyia cyanea Brunetti, 1920: 63. TL: Pusa (India: Bihar) [Syntypes 3 ♂, 3 ♀: BMNH; Syntypes ♂, ♀: ZSI]; Brunetti, 1923: 119; Woodley, 2001: 273.

Distribution. India (Bihar), Sri Lanka.

***Odontomyia kashmirensis* Brunetti, 1920**

Odontomyia kashmirensis Brunetti, 1920: 67. TL: Srinagar (India: Jammu and Kashmir) [Syntypes ♂, ♀: ZSI]; Brunetti, 1923: 132; Parui and Datta, 1987: 242; Woodley, 2001: 278; Mitra and Bhattacharya, 2010: 388.

Distribution. India (Jammu and Kashmir, Orissa, Uttarakhand).

***Odontomyia lutatius* Walker, 1849**

Odontomyia lutatius Walker, 1849: 532. TL: Unknown [Holotype ♀: BMNH]; Brunetti, 1920: 70, 1923: 131; Woodley, 2001: 279.

Stratiomys diffusa Walker, 1854: 53.

Distribution. India (West Bengal), Indonesia, Taiwan.

***Odontomyia ochropa* Thomson, 1869**

Odontomyia ochropa Thomson, 1869: 456. TL: Manila (Philippines: Luzon) [Syntype ♀: NRS]; Brunetti, 1923: 125; Majumder and Parui, 2001: 185; Woodley, 2001: 280, 2011: 409; Nerudová-Horsáková et al, 2007: 112.

Odontomyia dorsoangulata Brunetti, 1920: 68.

Distribution. India (Bihar, Karnataka, Tamil Nadu, West Bengal), Philippines, Singapore, Thailand, USA.

***Odontomyia pulcherrima* Brunetti, 1920**

Odontomyia pulcherrima Brunetti, 1920: 65. TL: Peshoke, Darjeeling (India: West Bengal) [Holotype ♀: ZSI]; Brunetti, 1923: 120; Rozkošný and Kovac, 2001: 101; Woodley, 2001: 282.

Distribution. India (West Bengal), Indonesia, Malaysia, Thailand.

***Odontomyia quadrata* (Lindner, 1937)**

Eulalia quadrata Lindner, 1937: 377. TL: Coimbatore (India: Tamil Nadu) [Holotype ♀: BMNH]; Woodley, 2001: 282.

Distribution. India (Tamil Nadu).

***Odontomyia solennis* Walker, 1851**

Odontomyia solennis Walker, 1851: 79. TL: East India [Holotype ♂: BMNH]; Brunetti, 1920: 69, 1923: 133; Woodley, 2001: 284.

Distribution. India (Bihar, Orissa, Uttar Pradesh, West Bengal).

***Odontomyia transversa* Brunetti, 1920**

Odontomyia transversa Brunetti, 1920: 71. TL: Palur, Chennai (India: Tamil Nadu) [Holotype ♀: BMNH]; Brunetti, 1923: 123; Woodley, 2001: 285.

Distribution. India (Tamil Nadu).

***Odontomyia viridana* (Wiedemann, 1824)**

Stratiomys viridana Wiedemann, 1824: 29. TL: Kolkata (India: West Bengal) [Syntype ♂: UZMC]; Brunetti, 1920: 72, 1923: 121; Woodley, 2001: 285.

Distribution. India (West Bengal).

***Oplodontha minuta* (Fabricius, 1794)**

Stratiomys minuta Fabricius, 1794: 268. TL: Tharangambadi (India: Tamil Nadu) [Syntype 1 ♀: UZMC]; Brunetti, 1920: 65, 1923: 124; Parui and Datta, 1987: 242; Woodley, 2001: 287; Papp et al, 2006: 147; Tkoč and Rozkošný, 2014: 431.

Nemotelus pusillus Fabricius, 1794: 271.

Musca minutior Turton, 1801: 631.

Musca minor Turton, 1801: 655.

Oxycera indica Brunetti, 1907: 119.

Odontomyia incompleta Brunetti, 1907: 128.

Odontomyia ochracea Brunetti, 1907: 129.

Odontomyia submutica Brunetti, 1907: 130.

Eulalia oasisina Lindner, 1925: 150.

Distribution. Afghanistan, Egypt, India (Bihar, Jharkhand, Orissa, Tamil Nadu, Uttar Pradesh, West Bengal), Israel, Sri Lanka, Thailand, United Arab Emirates, Yemen.

***Oplodontha rubrithorax* (Macquart, 1838)**

Odontomyia rubrithorax Macquart, 1838: 185. TL: Kolkata (India: West Bengal) [Holotype ♂: MNHNP]; Brunetti, 1920: 67, 1923: 128; Majumder and Parui, 2001: 185; Woodley, 2001: 287.

Odontomyia immaculata Brunetti, 1907: 130.

Eularia rnbithorax Ôuchi, 1940: 276.

Distribution. India (Uttarakhand, Uttar Pradesh, West Bengal), Indonesia, Japan, Philippines, Sri Lanka, Thailand, Zaire.

***Oxycera binotata* (Séguy, 1934)**

Hermione binotata Séguy, 1934: 1. TL: Darjeeling (India: West Bengal) [Holotype ♀: MNHNP]; Woodley, 2001: 246.

Distribution. India (West Bengal).

***Oxycera fumipennis* (Kertész, 1923)**

Epanastasis fumipennis Kertész, 1923: 111. TL: Sikkim (India) [Holotype ♀: HHNM, destroyed]; Woodley, 2001: 247; Datta and Parui, 2003: 291.

Distribution. India (Meghalaya, Sikkim).

***Oxycera signata* Brunetti, 1920**

Oxycera signata Brunetti, 1920: 54. TL: Mussoorie (India: Uttarakhand) [Holotype ♂: BMNH]; Brunetti, 1923: 88; Woodley, 2001: 251; Yang et al, 2009: 25.

Distribution. China, India (Uttarakhand).

***Prosopochrysa vitripennis* (Doleschall, 1856)**

Chrijsochlora vitripennis Doleschall, 1856: 408. TL: Java (Indonesia) [Syntype ♀: UNK]; Brunetti, 1920: 86, 1923: 161; Woodley, 2001: 259; Papp et al, 2006: 147.

Microchrysa albitarsis Brunetti, 1913b: 156.

Distribution. India (Assam, West Bengal), Indonesia, Sri Lanka, Thailand.

***Stratiomys approximata* Brunetti, 1923**

Stratiomyia approximata Brunetti, 1923: 115. TL: Srinagar (India: Jammu and Kashmir) [Syntypes ♂, ♀: ZSI]; Woodley, 2001: 296.

Distribution. India (Jammu and Kashmir).

Subfamily Nemotelinae

***Brachycara ventralis* Thomson, 1869**

Brachycara ventralis Thomson, 1869: 461. TL: Ross Island (India: Andaman and Nicobar Islands) [Lectotype ♂: NRS]; Brunetti, 1920: 85, 1923: 89; Woodley, 2001: 308, 2009a: 105.

Distribution. Belau, Guam, India (Andaman and Nicobar Islands), Indonesia, Kiribati, Marshall Islands, Micronesia, Myanmar, Northern Marianas, Papua New Guinea, Philippines, Seychelles.

Discussion

The resulting list of the Indian fauna comprises 84 species of soldierflies of 35 genera. Because of taxonomic changes and our evaluation of the species lists that have been previously published, this first comprehensive synopsis of the Indian soldierfly fauna with up-to-date statewide distribution contains a clear species spectrum compared to the older literature. For the first time, we present a critical, tentative species inventory of the Indian Stratiomyidae that includes taxonomic information of all previously recorded taxa essential for understanding biodiversity, distribution of species, and ecosystem structure.

Although in recent times no thorough surveys of the rich and diverse fauna of Indian soldierflies have been conducted, a list of soldierflies species (Mitra 2012) is inadequate with incorrect spellings, as well as wrong dates, authorships, and references. For example, *Afrodontomyia rufoabdominalis* (Brunetti, 1913) is misspelled as *Afrondontomyia rufoabdominalis* (Brunetti, 1913). In *Culcua ornans*, the authors Rozkošný and Kozanek, 2007 are wrongly indicated as Rozkošný and Kovac, 2007. Other mistakes include wrong dates for *Ptecticus srilankai* Rozkošný and Hauser, 2001 as *Ptecticus srilankai* Rozkošný and Hauser, 1998; *Sargus mactans* Walker, 1859 as *Sargus mactans* Walker, 1860 and *Sargus splendidus* Brunetti, 1925 as *Sargus splendidus* Brunetti, 1923. Furthermore, the important literature is missing in the references whereas the second revision of the Oriental Stratiomyidae by Brunetti (1923) is wrongly cited as another irrelevant reference. The present study aims to create an inventory of soldierflies in India with synonyms, type localities, and type depositories, and provides original references. A special emphasis on primary types excludes inaccuracies caused by incorrect identification, and the list provides a starting point for an assessment of the biodiversity of the family Stratiomyidae in India.

In several cases, the names of the species have been changed since that time when Brunetti (1920, 1923) identified the soldierflies from India. For example, Brunetti (1920, 1923) reported that *Beris geniculata* Curtis, 1830 and *Chorisops tibialis* (Meigen, 1820) occurred in India; however, this seems to be a misidentification, and these two species are likely members of some other Beridinae

genera (Woodley 2001; Martin Hauser, personal communication, 2015). Similarly, *Lasiopa himalayensis* Brunetti, 1907 described from India is not very likely to belong to genus *Lasiopa* (Martin Hauser, personal communication, 2015) and may belong to some other genus. The occurrence of *Ptilocera amethystina* Snellen van Vollenhoven, 1857 in India has not been confirmed and may represent *Ptilocera continua* Walker, 1851 (Mason and Rozkošný 2011). The presence of *Cephalochrysa sapphirina* (Walker, 1849) and *Nigritomyia maculipennis* (Macquart, 1850) in India (Joseph and Rao 1972; Datta et al 1997; Kumar and Seema 1991) has also not been verified (Woodley 2001). For this reason, these six species should not be listed in the Indian fauna for the time being. It is clear that a detailed study of Brunetti types will be required to update the generic combinations, the undertaking of which is well outside the scope of the current study owing to the lack of access to the type material.

Acknowledgments

Financial assistance rendered by the University Grants Commission, Government of India, New Delhi under the D.S. Kothari Postdoctoral Fellowship (No. F.4-2/2006 (BSR)/BL/13-14/0148), is gratefully acknowledged. Sincere thanks to Martin Hauser (Sacramento, California, USA), Ruud van der Weele (Culemborg, The Netherlands) and Norman E. Woodley (Washington, DC, USA) for their help with important literature. We thank Martin Hauser for providing valuable critiques of our manuscript. We are grateful to Biodiversity Heritage Library (www.biodiversitylibrary.org) and Systema Diptera team (www.diptera.org) for their useful work. We are thankful to two anonymous reviewers for their valuable input.

References

- Bigot JMF. 1877. Diagnoses qui suivent. *Bulletin des séances de la Société Entomologique de France* 1877:101–102.
- Bigot JMF. 1879a. Diptères nouveaux ou peu connus. 11^e partie: XVI. Curiae Xylophagidarum et Stratiomyidarum (Bigot) [part]. *Annales de la Société Entomologique de France, Cinquième série* 9:209–234.
- Bigot JMF. 1879b. Diptères nouveaux ou peu connus. 11^e partie: XVI. Curiae Xylophagidarum et Stratiomyidarum (Bigot). *Annales de la Société Entomologique de France, Cinquième série* 9:183–208.
- Brunetti E. 1907. Revision of the Oriental Stratiomyidae, with *Xylomyia* and its allies. *Records of the Indian Museum* 1:85–132.
- Brunetti E. 1912. New Oriental Diptera: I. *Records of the Indian Museum* 7:445–513.
- Brunetti E. 1913a. New and interesting Diptera from the eastern Himalayas. *Records of the Indian Museum* 9:255–277.
- Brunetti E. 1913b. Zoological results of the Arbor Expedition, 1911–12: XI. Diptera. *Records of the Indian Museum* 8:149–190.
- Brunetti E. 1917. Diptera of the Simla District. *Records of the Indian Museum* 13:59–101.
- Brunetti E. 1920. . *The fauna of British India, including Ceylon and Burma. Diptera Brachycera*, Vol. 1. London: Taylor and Francis.
- Brunetti E. 1923. Second revision of the Oriental Stratiomyidae. *Records of the Indian Museum* 25:45–180.
- Brunetti E. 1925. Description of a new species of Oriental Stratiomyidae, also a change of name. *Records of the Indian Museum* 27:451.
- Bučánková A. 2007. *Biology, development and zoogeography of some saproxylic Oriental species of Stratiomyidae (Diptera)*. Brno, Czech Republic: Masaryk University, Faculty of Science.
- Copello A. 1926. *Biología de Hermetia illucens* Latr. *Revista de la Sociedad Entomológica Argentina* 1:23–27.
- Curtis J. 1830. . *British entomology*, Vol. 7. London: Privately published.
- Daniels G. 1979. The genus *Ptecticus* Loew from Australia, New Guinea and the Bismarck and Solomon archipelagos (Diptera: Stratiomyidae). *Records of the Australian Museum* 32:563–588.
- Das BC, Sharma RM, Devroy MK. 1984. A new fly *Nigritomyia andamanensis* (Diptera: Stratiomyidae) from the Andamans. *Bulletin of the Zoological Survey of India* 6:99–100.
- Das BC, Sharma RM, Devroy MK. 1996. Notes on the larval stages of *Nigritomyia andamanensis* Das, Sharma and Devroy (Diptera: Stratiomyidae). *Records of the Zoological Survey of India* 95:329–332.
- Datta M, Chakraborti M. 1985. Insecta: Diptera. *Records of the Zoological Survey of India* 82:231–252.
- Datta M, Parui P. 2003. Insecta: Diptera. Fauna of Sikkim, Part 3, State Fauna Series. *Zoological Survey of India* 9:283–327.
- Datta M, Parui P. 2004. Insecta: Diptera. Fauna of Manipur, Part 2, State Fauna Series. *Zoological Survey of India* 10:459–483.
- Datta M, Parui P, Mukherjee M. 1997. Insecta: Diptera. Fauna of West Bengal, Part 7, State Fauna Series. *Zoological Survey of India* 3:1–76.
- De Meijere JCH. 1904. Neue und bekannte Sud-Asiatische Dipteren. *Bijdragen tot de Dierkunde* 17–18:83–118.
- De Meijere JCH. 1907. Studien über sudostasiatische Dipteren: I. *Tijdschrift voor Entomologie* 50:196–264.
- De Meijere JCH. 1911. Studien über sudostasiatische Dipteren: VI. *Tijdschrift voor Entomologie* 54:258–432.
- De Meijere JCH. 1914. Studien über sudostasiatische Dipteren: VIII. *Tijdschrift voor Entomologie* 56:1–99.
- De Meijere JCH. 1924. Studien über sudostasiatische Dipteren XV. Dritter Beitrag zur Kenntnis der sumatranischen Dipteren. *Tijdschrift voor Entomologie* 67:1–64.
- Doleschall CL. 1856. Erste bijdrage tot de kennis der dipterologische fauna van Nederlandsch Indie. *Natuurwetenschappelijk (Natuurkundig) Tijdschrift voor Nederlandsch Indië* 10:403–414.
- Doleschall CL. 1857. Tweede bijdrage tot de kennis der dipterologische fauna van Nederlandsch Indie. *Natuurwetenschappelijk (Natuurkundig) Tijdschrift voor Nederlandsch Indië* 14:377–418.
- Doleschall CL. 1859. Derde bijdrage tot de kennis der dipterologische fauna van Nederlandsch Indie. *Natuurwetenschappelijk (Natuurkundig) Tijdschrift voor Nederlandsch Indië* 17:73–128.
- Enderlein G. 1914a. Dipterologische Studien: VIII. Zur Kenntnis der Stratiomyiden-Unterfamilien mit 2ästiger Media Pachygasterinae, Lophotelinae und Prosopochrysiniae. *Zoologischen Anzeiger* 43:289–315.
- Enderlein G. 1914b. Dipterologische Studien: X. Zur Kenntnis der Stratiomyiden mit 3-ästiger Media und ihre Gruppierung. B. Formen, bei denen der 1. Cubitalast mit der Discoidalzelle eine Streckeverschlungen ist (Familien: Hermetiinae, Clitellariinae). *Zoologischer Anzeiger* 44:1–25.
- Enderlein G. 1914c. Dipterologische Studien: IX. Zur Kenntnis der Stratiomyiden mit 3-ästiger Media und ihre Gruppierung. A. Formen, bei denen der 1. Cubitalast mit der Discoidalzelle durch Querader verbunden ist oder sie nur in einem Punkte berührt (Subfamilien: Geosarginae, Analococerinae, Stratiomyiinae). *Zoologischer Anzeiger* 43:577–615.
- Enderlein G. 1921. Über die phyletischen älteren Stratiomyiden-Subfamilien (Xylophaginae, Chiromyzinae, Solvinae, Beridinae und Coenomyiinae). *Mitteilungen aus dem Zoologischen Museum in Berlin* 10:150–214.
- Fabricius JC. 1794. *Entomologia Systematica emendata et aucta. Secundum classes, ordines, genera, species, adjectis synonymis, locis observationibus, descriptionibus. Tome 4. Hafniae (=Copenhagen): C. G. Proft.*
- Fabricius JC. 1805. *Systema antliatorum secundum ordines, genera, species, adiectis synonymis, locis, observationibus, descriptionibus. Brunsvigae (=Brunswick): C. Reichard.*
- Gerstaecker A. 1857. Beitrag zur Kenntniss exotischer Stratiomyiden. *Linnaea Entomologica* 11:261–350.
- Guérin-Ménéville FE. 1835. *Plates 95–98, Livraison 41. In Iconographie du règne animal de G. Cuvier, ou représentation d'après nature de l'une des espèces les plus remarquables, et souvent non encore figurées, de chaque genre d'animaux. Avec un texte descriptif mis ou courant de la science. Ouvrage pouvant servir d'atlas a tous les traités de zoologie. Tome II. Planches des Animaux invertébrés. Paris: J. B. Baillière.*
- Guérin-Ménéville FE. 1838. Première division. Crustacés, arachnides et insectes. In: Duperrey LI, editor. *Voyage autour du monde, exécuté par ordre du Roi, sur la corvette de sa majesté, La Coquille, pendant les années 1822, 1823, 1824, et 1825, sous le ministère et conformément aux instructions de S. E. M. le Marquis de Clermont-Tonnerre, Ministre de la Marine; et publié sous les auspices de son excellence Mgr le Cte de Chabrol, Ministre de la Marine et des Colonies. Zoologie. Tome Second. = 2e Partie. Paris: Arthus Bertrand. pp. 9–319.*
- Guérin-Ménéville FE. 1844. *Livraisons 46–50. In Iconographie du règne animal de G. Cuvier, ou représentation d'après nature de l'une des espèces les plus remarquables, et souvent non encore figurées, de chaque genre d'animaux. Avec un texte descriptif mis ou courant de la science. Ouvrage pouvant servir d'atlas a tous les traités de zoologie. Insectes. Paris: J.B. Baillière.*
- Hardy GH. 1933. Miscellaneous notes on Australian Diptera: I. *Proceedings of the Linnean Society of New South Wales* 58:408–420.
- Hauser M, Rozkošný R. 1999. An annotated list of Stratiomyidae (Diptera) from Sri Lanka with taxonomic notes to some genera. *Stuttgarter Beiträge zur Naturkunde* 585:1–15.
- Hauser M, Rozkošný R. 2007. New records of *Ptecticus* Loew, 1855, species from the Oriental and Australian regions with a description of a new species from the Philippines and two new synonyms (Diptera: Stratiomyidae). *The Pan-Pacific Entomologist* 83:332–341.
- James MT. 1940. Notes on some African Stratiomyidae (Diptera) belonging to genera related to *Odontomyia*. *American Museum Novitates* 1088:1–3.
- James MT. 1950. Some Stratiomyidae (Diptera) from Okinawa and Guam. *Pacific Science* 4:184–187.
- James MT. 1957. Some Sarginae collected in South India. *Proceedings of the Entomological Society of Washington* 59:25–30.
- James MT. 1962. Diptera: Stratiomyidae. *Calliphoridae. Insects Micronesia* 13:75–127.
- Joseph ANT, Parui P. 1977. Diptera from Arunachal Pradesh and Assam Foot Hills: Part V. Tirap Division. *Records of the Zoological Survey of India* 72:333–339.

- Joseph ANT, Rao KR. 1972. Diptera from N.E.F.A. and Assam Foot Hills: Part II. Kameng Frontier Division, Subansiri Frontier Division, North Lakhimpur and Assam Foot Hills. *Records of the Zoological Survey of India* 66:103–128.
- Joseph ANT, Ray KK. 1976. Diptera from Arunachal Pradesh and Assam Foot Hills: Part IV. Lohit District, Lakhimpur District and Sibsagar District. *Records of the Zoological Survey of India* 69:275–290.
- Kertész K. 1906. Die Dipteren—Gattung Evaza Walk. *Annales Historico—Naturales Musei Nationalis Hungarici* 4:276–292.
- Kertész K. 1909. Vorarbeiten zu einer Monographie der Notacanthen. XII—XXII. *Annales Historico—Naturales Musei Nationalis Hungarici* 7:369–397.
- Kertész K. 1921. Vorarbeiten zur einer Monographie der Notacanthen. XXXIX—XLIV. *Annales Historico—Naturales Musei Nationalis Hungarici* 18:153–176.
- Kertész K. 1923. Vorarbeiten zur einer Monographie der Notacanthen. XLV—L. *Annales Historico—Naturales Musei Nationalis Hungarici* 18:85–129.
- Kovac D, Rozkošný R. 2012. A revision of the genus *Rosapha* Walker (Diptera: Stratiomyidae). *Zootaxa* 3333:1–23.
- Krivoshchina NP. 1993. On the taxonomy of stratiomyid flies of the genus *Cibotogaster* End. (Diptera, Stratiomyidae). *Entomologicheskoe Obozrenie* 713. 674–687, 717.
- Krivoshchina NP. 2002. Review of xylophilous flies of the genus *Wallacea* (Diptera, Stratiomyidae). *Zoologicheskii Zhurnal* 81:597–607.
- Kumar S, Seema K. 1991. New records of soldierflies (Diptera: Insecta) from South Andaman. *Journal of the Andaman Science Association* 7:95–96.
- Lahiri AR, Mitra B. 2004. Insecta: Diptera. Fauna of Gujarat: Part 2. State Fauna Series. *Zoological Survey of India* 8:127–159.
- Lindner E. 1925. Neue ägyptische Stratiomyidae (Dipt.). *Bulletin de la Societe Entomologique d'Egypte* 9:145–151.
- Lindner E. 1937. Indo—australische Stratiomyiden (Diptera). *Annals and Magazine of Natural History* 20:370–394.
- Lindner E. 1938. The Diptera of the Territory of New Guinea: VI. Family Stratiomyidae. *Proceedings of the Linnean Society of New South Wales* 63:431–436.
- Linnaeus C. 1758. . *Systema naturae per regna tria naturae*. 10th edn, Vol. 1. Holmiae (=Stockholm): L. Salvii.
- Linnaeus C. 1767. . *Systema naturae, per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis*. Tomus I. Pars 2. Editio duodecima, reformata, Vol. 1(2). Holmiae (=Stockholm): L. Salvii.
- Loew H. 1855. Einige Bemerkungen über die Gattung *Sargus*. *Verhandlungen der Zoologisch—Botanischen Gesellschaft in Wien* 5:131–148.
- Macquart PJM. 1834. *Histoire naturelle des insectes. Dipteres. Tome premiere*. Paris: N.E. Roret.
- Macquart PJM. 1838. *Insectes dipteres nouveaux ou peu connus. Tome premiere. 1^{re} partie*. Paris: N.E. Roret.
- Macquart PJM. 1846. Dipteres exotiques nouveaux ou peu connus. Supplement (1). *Mémoires de la Société Royale des Sciences de l'Agriculture et des Arts, Lille* 1844: 133–364.
- Macquart PJM. 1848. Dipteres exotiques nouveaux ou peu connus. Suite du 2.me supplement (3rd Suppl.). *Mémoires de la Société Royale des Sciences de l'Agriculture et des Arts, Lille* 1847:161–237.
- Macquart PJM. 1850. Dipteres exotiques nouveaux ou peu connus. 4e supplement. *Mémoires de la Société Royale des Sciences de l'Agriculture et des Arts, Lille* 1849: 309–479.
- Macquart PJM. 1855. Dipteres exotiques nouveaux ou peu connus. 5e supplement. *Mémoires de la Société Royale des Sciences de l'Agriculture et des Arts, Lille* 1:25–156.
- Majumder SC, Parui P. 2001. Diptera (Insecta) from Sundarban, West Bengal. *Records of the Zoological Survey of India* 99:171–191.
- Mason F, Rozkošný R. 2008. A review of the Oriental *Campeprosopa* species (Diptera: Stratiomyidae). *Zootaxa* 1794:49–64.
- Mason F, Rozkošný R. 2011. A review of the Oriental and Australasian *Ptilocera* species (Diptera: Stratiomyidae). *Zootaxa* 3007:1–49.
- Matsumura S. 1916. *Thousand insects of Japan. Additamenta. Vol. 2 (Diptera)*. Tokyo: Keisei-sha.
- Meigen JW. 1804. *Klassifikation und Beschreibung der europäischen Zweiflügeligen Insekten*. (Diptera Linn.). Erster Band, erste Abtheilung. Braunschweig: Karl Reichard.
- Meigen JW. 1820. *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Zweiter Theil. Aachen: Friedrich Wilhelm Forstmann.
- Mitra B. 2012. An updated list of the Soldier Flies (Diptera: Stratiomyidae) from India with some taxonomic notes. *Journal of Environmental and Sociobiology* 9: 177–182.
- Mitra B, Bhattacharya K. 2010. Insecta: Diptera. Fauna of Uttarakhand: Part 2. Insects, State Fauna Series. *Zoological Survey of India* 18:361–411.
- Mitra B, Parui P. 2007. Insecta: Diptera. Fauna of Mizoram, State Fauna Series. *Zoological Survey of India* 14:347–366.
- Mitra B, Parui P, Sharma RM. 2011. Insecta: Diptera. Fauna of Madhya Pradesh (including Chhattisgarh): Part 3. State Fauna Series. *Zoological Survey of India* 15:167–202.
- Mitra B, Sharma RM, Parui P. 2005. Inventory of the True Flies (Diptera) of the Thar Desert. *Records of the Zoological Survey of India* 104:147–155.
- Nerudová-Horsáková J, Kovac D, Rozkošný R. 2007. Identity, larva and distribution of the Oriental soldier fly, *Odontomyia ochropa* (Diptera: Stratiomyidae). *European Journal of Entomology* 104:111–118.
- Osten Sacken CR. 1882. On Professor Brauer's paper: Versuch einer Charakteristik der Gattungen der Notacantha. 1882. *Berliner Entomologische Zeitschrift* 26: 363–380.
- Ōuchi Y. 1938. On some stratiomyid flies from eastern China. *Journal of the Shanghai Science Institute* 4:37–61.
- Ōuchi Y. 1940. Diptera Sinica. Stratiomyiidae: II. *Journal of the Shanghai Science Institute* 4:265–285.
- Pape T, Evenhuis NL. 2013. *Systema Dipterorum, Version (1.5)*. Available from: <http://www.diptera.org/> [Date accessed: 1 January 2016].
- Papp L, Merz B, Földvári M. 2006. Diptera of Thailand—a summary of the families and genera with references to the species representations. *Acta Zoologica Academiae Scientiarum Hungaricae* 52:97–269.
- Parui P, Datta M. 1987. Insecta: Diptera. Fauna of Orissa: Part 1. State Fauna Series. *Zoological Survey of India* 1:241–255.
- Parui P, Lahiri AR. 1997. Insecta: Diptera. Fauna of Delhi, State Fauna Series. *Zoological Survey of India* 6:359–389.
- Riley CV, Howard LO. 1889. *Hermetia mucens* infesting bee hives. *Insect Life* 1:353–354.
- Rondani C. 1875. *Muscaria exotica* Musei Civici januensis. Fragmentum III. Species in Insula Bonae Fortunae (Borneo), provincia Sarawak annis 1865–1868, lectae a March. J. Doria et Doct. O. Beccari. *Annali del Museo Civico di Storia Naturale Giacomo Doria, Genova* 7:421–464.
- Rozkošný R. 2002. A revision of the Oriental *Ptecticus* species described by G Enderlein. *Acta Zoologica Academiae Scientiarum Hungaricae* 48:21–33.
- Rozkošný R, Courtney GW. 2005. New records of *Ptecticus* species from Thailand including description of a new species (Stratiomyidae, Diptera). *Acta Zoologica Academiae Scientiarum Hungaricae* 51:343–348.
- Rozkošný R, de Jong H. 2003. Taxonomic and distributional notes on the little known Australasian species of *Ptecticus* Loew (Diptera, Stratiomyidae). *Tijdschrift voor Entomologie* 146:241–258.
- Rozkošný R, Hauser M. 1998. A new species of *Ptecticus* Loew (Diptera: Stratiomyidae) from Sri Lanka. *Studia Dipterologica* 5:337–342.
- Rozkošný R, Hauser M. 2001. Additional records of *Ptecticus* Loew from Sri Lanka, with a new species and a new name (Diptera: Stratiomyidae). *Studia Dipterologica* 8:217–223.
- Rozkošný R, Hauser M. 2009. Species groups of Oriental *Ptecticus* Loew including descriptions of ten new species with a revised identification key to the Oriental species (Diptera: Stratiomyidae). *Zootaxa* 2034:1–30.
- Rozkošný R, Kovac D. 2001. New male, larva and puparium of *Odontomyia pulcherrima* Brunetti (Insecta: Diptera: Stratiomyidae) from the Oriental region. *Raffles Bulletin of Zoology* 49:101–108.
- Rozkošný R, Kovac D. 2003. Seven new species of *Ptecticus* including new distributional records and a key to the Oriental species (Insecta, Diptera, Stratiomyidae, Sarginae). *Senckenbergiana Biologica* 82:191–211.
- Rozkošný R, Kovac D. 2007. Palaearctic and Oriental species of *Craspedometopon* Kertész (Diptera, Stratiomyidae). *Acta Zoologica Academiae Scientiarum Hungaricae* 53:203–218.
- Rozkošný R, Kozanek M. 2007. A review of the Oriental *Culcua* with description of seven new species (Diptera, Stratiomyidae). *Insect Systematics and Evolution* 38: 35–50.
- Schiner IR. 1868. *Diptera. In: Reise der österreichischen Fregatte Novara um die Erde in den Jahren 1857, 1858, 1859 unter den Befehlen des Commodore B. von Wüllerstorff—Urbair. Zoologischer Theil. 2(1)*. Wien: B.K. Gerold's Sohn.
- Séguy E. 1934. Dipteres de Chine de la collection de M. J. Herve—Bazin. *Encyclopedie Entomologique, Serie (B II), Diptera* 7:1–28.
- Shah GM, Jan U, Wachkoo AA. 2014. A checklist of Hoverflies (Diptera: Syrphidae) in the Western Himalaya, India. *Acta Zoologica Academiae Scientiarum Hungaricae* 60:283–305.
- Snellen van Vollenhoven SC. 1857. Notes dipterologiques. *Tijdschrift voor Entomologie* 1:88–93.
- Thomson CG. 1869. Diptera. Species nova descripsit. In: *Kongliga svenska fregatten Eugenies resa omkring jorden under befäl af C. A. Virgin, åren 1851—1853. Pt. 2: Zoologie, (Sect.) 1. Insekter*. Stockholm: P.A. Norstedt and Soner. pp. 443–614.
- Tkoč M, Rozkošný R. 2014. New synonymy of *Oplodontha minuta* (Diptera: Stratiomyidae) with its first record from Socotra Island. *Acta Entomologica Musei Nationalis Pragae* 54:429–439.
- Turton W. 1801. . *A general system of nature, through the three grand kingdoms of animals, vegetables, and minerals*, Vol. 3. London: David Williams.
- Walker F. 1848. *List of the specimens of dipterous insects in the collection of the British Museum. Part 1*. London: British Museum.
- Walker F. 1849. *List of the specimens of dipterous insects in the collection of the British Museum. Parts 2, 3, 4*. London: British Museum.
- Walker F. 1851. Insecta Saundersiana: or characters of undescribed insects in the collection of William Wilson Saunders, Esq. In: Saunders WW, editor. *Diptera, Part 2*. London: John Van Voorst. pp. 77–156.
- Walker F. 1854. *List of the specimens of dipterous insects in the collection of the British Museum. Part 5*. London: British Museum.
- Walker F. 1856a. Catalogue of the dipterous insects collected at Sarawak, Borneo, by Mr. A. R. Wallace, with descriptions of new species. *Journal of the proceedings of the Linnean Society* 1:105–136.
- Walker F. 1856b. . *Insecta Britannica, Diptera*, Vol. 3. London: Lovell Reeve.
- Walker F. 1856c. Catalogue of the dipterous insects collected at Singapore and Malacca by Mr. A. R. Wallace, with descriptions of new species. *Journal of the Proceedings of the Linnean Society* 1:4–39.
- Walker F. 1858. Catalogue of the dipterous insects collected in the Aru Islands by Mr. A. R. Wallace, with descriptions of new species. *Journal of the proceedings of the Linnean Society* 3:77–110.
- Walker F. 1859. Catalogue of the dipterous insects collected at Makassar in Celebes, by Mr. A. R. Wallace, with descriptions of new species. *Journal of the proceedings of the Linnean Society* 4:97–144.

- Wiedemann CRW. 1819. Beschreibung neuer Zweiflugler aus Ostindien und Afrika. *Zoologisches Magazin* 1:1–39.
- Wiedemann CRW. 1824. *Munus rectoris in Academia Christiana Albertina aditurus analecta entomologica ex Museo Regio Havniensimaxime congesta profert iconibusque illustrat*. Kiliae (=Kiel): E regio typographico scholarum.
- Woodley NE. 2001. A world catalog of Stratiomyidae (Insecta: Diptera). *Myia* 11:1–475.
- Woodley NE. 2009a. Family Stratiomyidae. In: Gerlach J, editor. *The Diptera of the Seychelles islands*. Sofia: Pensoft Publishers. pp. 100–106.
- Woodley NE. 2009b. *Microchrysa flaviventris* (Wiedemann), a new immigrant Soldier Fly in the United States (Diptera: Stratiomyidae). *Proceedings of the Entomological Society of Washington* 111:527–529.
- Woodley NE. 2011. A world catalog of the Stratiomyidae (Insecta: Diptera): a supplement with revisionary notes and errata. In: Thompson FC, Brake I, Lonsdale O, editors. *Contributions to the biosystematic database of world Diptera*. pp. 443–484. *Myia* 12.
- Woodley NE. 2012. Revision of the southeast Asian soldier-fly genus *Parastratiosphecomyia* Brunetti, 1923 (Diptera, Stratiomyidae, Pachygastrinae). *ZooKeys* 238:1–21.
- Wulp FM Van der. 1885. On exotic Diptera: Part 2. *Notes Leyden Museum* 7:57–86.
- Wulp FM Van der. 1896. *Catalogue of the described Diptera from South Asia*. The Hague: Dutch Entomological Society, M. Nijhoff.
- Wulp FM Van der. 1898. Dipteren aus Neu-Guinea in der Sammlung des Ungarischen National-Museums. *Természeti Füzetek* 21:409–426.
- Wulp FM Van der. 1904. New species. In: Meijere, J. C. H. de, Neue und bekannte sud-asiatische Dipteren. *Bijdragen tot de Dierkunde* 17–18:83–118.
- Yang J, Chen G. 1993. Diptera: Stratiomyiidae. In: Huang F, editor. *Insects of Wuling Mountains Area, Southwestern China*. Beijing: Science Press. pp. 585–586.
- Yang D, Yang C. 1995. Diptera: Stratiomyidae. In: Hong WU, editor. *Insects of Baishanzu Mountains, Eastern China*. Beijing: China Forestry Publishing House. pp. 490–492.
- Yang ZH, Wang JJ, Yang MF. 2008. Two new records genera and species of Chinese Clitellariinae (Diptera: Stratiomyidae). *Acta Zootaxonomica Sinica* 33: 829–831.
- Yang Z, Wei L, Yang M. 2009. Two new species of *Oxycera* and description of the female of *O. signata* Brunetti from China (Diptera, Stratiomyidae). *Zootaxa* 2299:19–28.