

CHECKLIST OF INDIAN BEE-FLIES (INSECTA: DIPTERA: BOMBYLIIDAE)

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Exoprosopa flammea Brunetti

INTRODUCTION

The bombyliids or “bee-flies” as they are commonly referred to are a group of moderate to large sized colourful flies constituting one of the large and diverse families of the suborder Brachycera. With over 4,500 described species from the world, 257 represent Oriental Region. The Indian bombylid fauna stands at **138** species belonging to **36** genera under eight subfamilies (Evenhuis & Greathead, 1999; Mitra, 2008).

These flies are most frequently found in arid and semiarid portions of the world, with a few specialized forms occurring in moist tropical climates. Adults are commonly found on flowers, hovering in bright sunlight, or resting on warm, bare ground. They show remarkable range in size (from 1.5 mm to more than 60 mm in length). In India, the members of this family are generally found from the vegetative parts of the high altitude areas of the Himalayas to the hot and arid area of the Thar Desert and also from the cold desert of Ladakh to the sea coast of Andaman & Nicobar Islands.

Larvae of these flies are primarily parasitoids of holometabolous insects, thus very important group from economic point of view.

Order Diptera
Suborder Brachycera
Family Bombyliidae
Subfamily Usiinae Becker
Tribe Apolysini Evenhuis

1. Genus *Apolysis* Loew, 1860

1. *Apolysis sedophila* (Brunetti, 1909)

Tribe Usiini Becker

2. Genus *Usia* Latreille, 1794
Subgenus *Usia* Latreille, 1794

2. *Usia (Usia) marginata* (Brunetti, 1909)

Subfamily Phthiriinae Becker
Tribe Phthiriini Becker

3. Genus *Phthiria* Meigen, 1820

3. *Phthiria gracilis* Walker, 1852

**Subfamily Toxophorinae Schiner
Tribe Gerontini Hesse**

4. Genus *Geron* Meigen, 1820

Subgenus *Geron* Meigen, 1820

4. *Geron (Geron) albescens* (Brunetti, 1909)
5. *Geron (Geron) argentifrons* (Brunetti, 1909)

Tribe Systropodini Brauer

5. Genus *Systropus* Wiedemann, 1820

Subgenus *Systropus* Wiedemann, 1820

6. *Systropus (Systropus) eumenoides* Westwood, 1842
7. *Systropus (Systropus) flavipectus* Westwood, 1926
8. *Systropus (Systropus) flavipleura* (Brunetti, 1920)
9. *Systropus (Systropus) gracilis* (Enderlein, 1926)
10. *Systropus (Systropus) limbatus* (Enderlein, 1926)
11. *Systropus (Systropus) maccus* (Enderlein, 1926)
12. *Systropus (Systropus) mucronatus* (Enderlein, 1926)
13. *Systropus (Systropus) ophioneus* (Westwood), 1850
14. *Systropus (Systropus) sikkimensis* (Enderlein, 1926)

Tribe Toxophorini Schiner

6. Genus *Toxophora* Meigen, 1803.

15. *Toxophora iavana* Wiedemann, 1821

Subfamily Heterotropinae Becker

7. Genus *Heterotropus* Loew, 1873

16. *Heterotropus indicus* Nurse, 1922

Subfamily Bombyliinae Latreille, 1802
Tribe Bombyliini

8. Genus *Anastoechus* Osten Sacken, 1877

17. *Anastoechus bangalorensis* Kapoor & Agarwal, 1979

18. *Anastoechus kashmirensis* Zaitzev, 1988

19. *Anastoechus longirostris* Wulp, 1885

9. Genus *Bombomyia* Greathead, 1995

20. *Bombomyia maculata* Fabricius, 1775

21. *Bombomyia tricolor* Guerin –Meneville, 1835

10. Genus *Bombylella* Greathead, 1995.

22. *Bombylella albosparsa* Bigot, 1892

23. *Bombylella roonwali* Zaitzev, 1988

11. Genus *Bombylisoma* Rondani, 1856

24. *Bombylisoma ghorpadei* Kapoor & Agarwal, 1979

25. *Bombylisoma resplendens* (Brunetti, 1909)

12. Genus *Bombylius* Linnaeus, 1758

Subgenus *Bombylius* Linnaeus, 1758

26. *Bombylius (Bombylius) ardens* Walker, 1849

27. *Bombylius (Bombylius) cirrophus* Evenhuis, 1892

28. *Bombylius (Bombylius) major* Linnaeus, 1758

29. *Bombylius (Bombylius) propinquus* (Brunetti, 1909)

30. *Bombylius (Bombylius) terminalis* (Brunetti, 1909)

13. Genus *Eremyia* Greathead, 1996

31. *Eremyia transcaspica* Paramonov, 1924

14. Genus *Euchariomyia* Bigot, 1888

32. *Euchariomyia dives* (Bigot, 1880)

33. *Euchariomyia scintillans* (Brunetti, 1909)

15. Genus *Eurycarenum* Loew, 1860

34. *Eurycarenum erectus* (Brunetti, 1909)

16. Genus *Parisus* Walker, 1852

35. *Parisus pseudoterminalis* (Brunetti, 1909)

17. Genus *Systoechus* Loew, 1855

36. *Systoechus flavospinosus* Brunetti, 1920

37. *Systoechus nivalis* Brunetti, 1912

38. *Systoechus socius* Walker, 1852

Subfamily Mariobezziinae Becker

18. Genus *Mariobezzia* Becker, 1912

39. *Mariobezzia lichtwardti* Becker & Stein, 1912

Subfamily Cythereinae Becker

19. Genus *Amictus* Wiedemann, 1817

40. *Amictus bowdeni* Kapoor & Agarwal, 1979

20. Genus *Callostoma* Macquart, 1840

41. *Callostoma imperator* Nurse, 1922

Subfamily Anthracinae Latreille

Tribe Anthracini Latreille

21. Genus *Anthrax* Scopoli, 1763

42. *Anthrax argentiapicalis* Brunetti, 1912

43. *Anthrax bigoti* (Brunetti, 1892)

44. *Anthrax ceylonicus* (Zaitzev, 1988)

45. *Anthrax distigma* (Wiedemann, 1828)

46. *Anthrax gestroi* Brunetti, 1912

- 47. *Anthrax indicatus* Nurse, 1922.
- 48. *Anthrax institutus* Walker, 1852
- 49. *Anthrax niveicaudus* Brunetti, 1920
- 50. *Anthrax obscurifrons* Brunetti, 1909

22. Genus *Brachyanax* Evenhuis, 1981

- 51. *Brachyanax genitilis* (Brunetti, 1909)

23. Genus *Satyramoeba* Sack, 1909

- 52. *Satyramoeba bipunctata* (Fabricius, 1805)

24. Genus *Spogostylum* Macquart, 1840.

- 53. *Spogostylum duvaucelli* (Macquart, 1840)

Tribe Exoprosopini Becker

25. Genus *Collosoptera* Hull, 1973

- 54. *Collosoptera latipennis* (Brunetti, 1909)

26. Genus *Exoprosopa* Macquart, 1840

- 55. *Exoprosopa abrogata* Nurse, 1922.
- 56. *Exoprosopa affinisima* Senior- White, 1924
- 57. *Exoprosopa basifacia* Walker, 1849.
- 58. *Exoprosopa disrupta disrupta* Walker, 1871
- 59. *Exoprosopa eflatouni* Bezzi, 1925.
- 60. *Exoprosopa flammea* Brunetti, 1909
- 61. *Exoprosopa niveiventris* Brunetti, 1909
- 62. *Exoprosopa puerula* Brunetti, 1920.
- 63. *Exoprosopa punjabensis* Nurse, 1922.
- 64. *Exoprosopa tamerlan* Portschinsky, 1887

27. Genus *Heteralonia* Rondani, 1863

Subgenus *Acrodisca* Bezzi

- 65. *Hetralonia (Acrodisca) andamanica* Pal, 1991

Subgenus *Homolonia* Bowden

- 66. *Hetralonia (Homolonia) bengalensis* (Macquart, 1840)

- 67. *Heteralonia (Homolonia) gujaratica* Nurse, 1922
- 68. *Heteralonia (Homolonia) lateralis* (Brunetti, 1909)

Subgenus *Isotamia* Bezzi

- 69. *Heteralonia (Isotamia) annandalei* (Brunetti, 1909)
- 70. *Heteralonia (Isotamia) auriplena* (Walker, 1852)
- 71. *Heteralonia (Isotamia) bangalorensis* (Zaitzev, 1987)
- 72. *Heteralonia (Isotamia) bramha* (Schiner, 1868)
- 73. *Heteralonia (Isotamia) brunettii* (Zaitzev, 1987)
- 74. *Heteralonia (Isotamia) insulata* (Walker, 1852)
- 75. *Heteralonia (Isotamia) lankiensis* (Zaitzev, 1988)
- 76. *Heteralonia (Isotamia) maculiventris* (Brunetti, 1920)
- 77. *Heteralonia (Isotamia) mudigerensis* (Zaitzev, 1987)
- 78. *Heteralonia (Isotamia) siphon* (Aldrich, 1928)
- 79. *Heteralonia (Isotamia) siva* (Nurse, 1922)
- 80. *Heteralonia (Isotamia) stylata* (Brunetti, 1920)
- 81. *Heteralonia (Isotamia) tarikerensis* (Zaitzev, 1987)

Subgenus *Zygodiola* Bezzi

- 82. *Heteralonia (Zygodiola) abjecta* Nurse, 1922.
- 83. *Heteralonia (Zygodiola) albida* Walker, 1852.
- 84. *Heteralonia scutellata* Bhalla, Grewal & Kapoor, 1991

28. Genus *Ligyra* Newman, 1841

- 85. *Ligyra argyura* Brunetti, 1909.
- 86. *Ligyra aurantiaca* Guerin – Meneville, 1835.
- 87. *Ligyra flaviventris* (Doeschall, 1857)
- 88. *Ligyra fuscipennis* Macquart, 1848
- 89. *Ligyra oenomaus* (Rondani, 1875)
- 90. *Ligyra orientalis* Paramonov, 1931
- 91. *Ligyra peninsularis* Pal, 1991
- 92. *Ligyra semifuscata* (Brunetti, 1912)
- 93. *Ligyra sphinx* (Fabricius, 1787)
- 94. *Ligyra suffisipennis* (Brunetti, 1909)
- 95. *Ligyra tantalus* (Fabricius, 1794)
- 96. *Ligyra tristis* (Wulp, 1869)

29. Genus *Litorhina* Bowden, 1975

- 97. *Litorhina collaris* (Wiedemann, 1828)
- 98. *Litorhina lar* (Fabricius, 1781)

30. Genus *Micomitra* Bowden, 1964

- 99. *Micomitra iridipennis* Nurse, 1922
- 100. *Micomitra vitrea* (Bigot), 1892
- 101. *Micomitra vitripennis* Brunetti, 1912

31. Genus *Pterobates* Bezzi, 1921

- 102. *Pterobates pennatus* Nurse, 1922
- 103. *Pterobates pennipes* Wiedemann, 1821

Tribe Villini Hull

32. Genus *Exhyalanthrax* Becker, 1916

- 104. *Exhyalanthrax absalon* (Wiedemann, 1824)
- 105. *Exhyalanthrax compactus* (Brunetti, 1920)
- 106. *Exhyalanthrax keiseri* (Francois, 1968)
- 107. *Exhyalanthrax resculus* (Francois, 1968)

33. Genus *Hemipenthes* Loew, 1869

- 108. *Hemipenthes referens* (Walker, 1852)

34. Genus *Pachyanthrax* François, 1964.

- 109. *Pachyanthrax velleris* Greathead, 1980

35. Genus *Villa* Lioy, 1864.

- 110. *Villa andamanensis* Bhalla, Grewal & Kapoor, 1991
- 111. *Villa aperta* Walker, 1852
- 112. *Villa approximata* Brunetti, 1917
- 113. *Villa aureohirta* (Brunetti, 1909)
- 114. *Villa baluchiana* (Brunetti, 1920)
- 115. *Villa brunettii* Evenhuis & Greathead, 1999
- 116. *Villa clara* (Walker, 1852)
- 117. *Villa dia* (Wiedemann, 1824)
- 118. *Villa fletcheri* (Brunetti, 1920)
- 119. *Villa fuscolimbata* (Brunetti, 1917)
- 120. *Villa kopanghatiensis* Bhalla, Grewal & Kapoor, 1991
- 121. *Villa leucopyga* (Macquart), 1840
- 122. *Villa limpida* (Walker, 1852)
- 123. *Villa lucens* (Walker, 1852)
- 124. *Villa lucida* (Walker, 1852)

- 125. *Villa manifesta* (Walker, 1852)
- 126. *Villa panisca* Rossi, 1790
- 127. *Villa transversa* (Brunetti, 1920)
- 128. *Villa troglodyta* (Fabricius, 1775)

Tribe Xeramoebini Hull

36. Genus *Petrorossia* Bezzi, 1908

- 129. *Petrorossia albofulva* (Walker, 1852)
- 130. *Petrorossia ceylonica* (Brunetti, 1909)
- 131. *Petrorossia claripennis* (Brunetti, 1909)
- 132. *Petrorossia clauseni* (Brunetti, 1928)
- 133. *Petrorossia curvipennis* Zaitzev, 1988
- 134. *Petrorossia intermedia* (Brunetti, 1920)
- 135. *Petrorossia limitarsis* (Brunetti, 1909)
- 136. *Petrorossia nigrofemorata* (Brunetti, 1909)
- 137. *Petrorossia orientalis* (Zaitzev, 1988)
- 138. *Petrorossia serrata* (Aldrich, 1928)

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