

**CHECKLIST OF INDIAN TACHINID FLIES
(INSECTA: DIPTERA: TACHINIDAE)**

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INTRODUCTION

The Tachinidae are widely distributed and forms one of the species rich families of Diptera found in almost all terrestrial environments. Adult tachinids display striking diversity in appearance (often brightly colored with yellow, black, orange / red markings or vivid metallic green, blue or other tints) and size (2 mm to 20 mm in length). Almost without exception their larvae are parasitoids of insects and other arthropods thus often playing a significant role in regulating herbivore population and restructuring ecological communities, both natural and managed. They are second only to the parasitic Hymenoptera in diversity and represent the largest group of non-hymenopteran parasitoids (Belshaw, 1994) and as well in ecological importance as insect parasitoids (Stireman, *et al* 2006).

Nearly 10,000 described species (Irwin *et al* 2003) belonging to 1521 recognized genera (O' Hara, 2008) occur in the world. Of these, Oriental Region harbours 725 species of 261 genera (Crosskey, 1976; O' Hara, 2008). Indian tachnid fly fauna belong to 216 species under 113 genera (O' Hara, *et al* 2009, Cooper & O' Hara, 1996; Lahiri, 2003 & 2006).

**ORDER: DIPTERA
SUBORDER: BRACHYCERA
SUPERFAMILY: OESTROIDEA
FAMILY: TACHINIDAE
Subfamily: Dexiinae
Tribe: Campylochetini**

1. Genus *Campylocheta* Rondani, 1859

1. *Campylocheta* (= *Elpe*) *angustifrons* (Mesnil, 1952)

Tribe: Dexiini

2. Genus *Billaea* Robineau-Desvoidy, 1830

2. *Billaea atkinsoni* (Baranov, 1934)

3. Genus *Dexia* Meigen, 1826

3. *Dexia caldwelli* Curran, 1927
4. *Dexia divergens* Walker, 1856
5. *Dexia extendens* Walker, 1856
6. *Dexia fulvifera* von Röder, 1893
7. *Dexia prakritiae* Lahiri, 2006
8. *Dexia quadristriata* Lahiri, 2006

4. Genus *Dinera* Robineau-Desvoidy, 1830

9. *Dinera orientalis* Zhang & Shima, 2006

5. Genus *Estheria* Robineau-Desvoidy, 1830

10. *Estheria intermedia* Lahiri, 2003
11. *Estheria magna* (Baranov, 1935)

6. Genus *Prosenia* Lepeletier & Serville, 1828

12. *Prosenia facialis* Curran, 1929
13. *Prosenia siberita* (Fabricius, 1775)

Tribe: Doleschallini

7. Genus *Torocca* Walker, 1859

14. *Torocca munda* (Walker, 1856)

Tribe: Eutherini

8. Genus *Euthera* Loew, 1866

- 15. *Euthera fascipennis* (Loew, 1854)
- 16. *Euthera peringueyii* Bezzi, 1925

Tribe: Rutiliini

- 9. **Genus *Rutilia*** Robineau-Desvoidy, 1830
- Subgenus *Chrysorutilia*** Townsend, 1915

- 17. *Rutilia* (*Chrysorutilia*) *rubriceps* Macquart, 1847

Tribe: Voriini

- 10. **Genus *Dexiomimops*** Townsend, 1926

- 18. *Dexiomimops rufipes* Baranov, 1935

- 11. **Genus *Halydaia*** Egger, 1856

- 19. *Halidaia luteicornis* (Walker, 1861)

- 12. **Genus *Hystri covoria*** Townsend, 1928

- 20. *Hystri covoria bakeri* Townsend, 1928

- 13. **Genus *Periscepsia*** Gistel, 1848
- Subgenus *Periscepsia*** Gistel, 1848

- 21. *Periscepsia carbonaria* (Panzer, 1798)

- 14. **Genus *Thelaira*** Robineau-Desvoidy, 1830

- 22. *Thelaira macropus* (Wiedemann, 1830)

- 15. **Genus *Voria*** Robineau-Desvoidy, 1830

- 23. *Voria ruralis* (Fallén, 1810)

Subfamily: Exoristinae

Tribe Anacamptomyiini

16. Genus *Koralliomysia* Mesnil, 1950

24. *Koralliomysia portentosa* Mesnil, 1950

Tribe: Blondeliini

17. Genus *Compsilura* Bouché, 1834

25. *Compsilura concinnata* (Meigen, 1824)

18. Genus *Eophyllophila* Townsend, 1926

26. *Eophyllophila elegans* Townsend, 1926

27. *Eophyllophila filipes* Townsend, 1927

28. *Eophyllophila includens* (Walker, 1859)

19. Genus *Trigonospila* Pokorny, 1886

29. *Trigonospila integra* (Villeneuve, 1935)

30. *Trigonospila ludio* (Zetterstedt, 1849)

31. *Trigonospila transvittata* (Pandellé, 1896)

20. Genus *Hygiella* Mesnil, 1957

32. *Hygiella nigripes* Mesnil, 1968

21. Genus *Urodexia* Osten Sacken, 1882

33. *Urodexia penicillum* Osten Sacken, 1882

Tribe: Eryciini

22. Genus *Alsomyia* Brauer & Bergenstamm, 1891

34. *Alsomyia anomala* Villeneuve, 1929

35. *Alsomyia rufipes* Villeneuve, 1937

23. Genus *Aplomya* Robineau-Desvoidy, 1830

36. *Aplomya flavisquama* (van der Wulp, 1893)
37. *Aplomya metallica* (Wiedemann, 1824)

24. Genus *Bactromyia* Brauer & Bergenstamm, 1891

38. *Bactromyia adiscalis* Mesnil, 1953
39. *Bactromyia aurora* Mesnil, 1953
40. *Bactromyia longifacies* Mesnil, 1953

25. Genus *Bactromyiella* Mesnil, 1952

41. *Bactromyiella ficta* (Walker, 1861)

26. Genus *Carcelia* Robineau-Desvoidy, 1830

Subgenus *Carcelia* Robineau-Desvoidy, 1830

42. *Carcelia* (*Carcelia*) *caudata* Baranov, 1931
43. *Carcelia* (*Carcelia*) *corvinoides* (Wulp, 1893)
44. *Carcelia* (*Carcelia*) *malayana* Baranov, 1934
45. *Carcelia* (*Carcelia*) *pilosella* Baranov, 1931
46. *Carcelia* (*Carcelia*) *rasoides* Baranov, 1931

Subgenus *Euryclea* Robineau-Desvoidy, 1863

47. *Carcelia* (*Euryclea*) *ceylanica* (Brauer & Bergenstamm, 1891)
48. *Carcelia* (*Euryclea*) *delicatula* Mesnil, 1968

27. Genus *Diglossocera* van der Wulp, 1895

49. *Diglossocera bifida* Wulp, 1895

28. Genus *Hapalioloemus* Baranov, 1934

50. *Hapalioloemus machaeralis* Baranov, 1934

29. Genus *Drino* Robineau-Desvoidy, 1863

Subgenus *Drino* Robineau-Desvoidy, 1863

51. *Drino* (*Drino*) *argenticeps* (Macquart, 1851)
52. *Drino* (*Drino*) *facialis* (Townsend, 1928)

Subgenus *Palexorista* Townsend, 1921

53. *Drino* (*Palexorista*) *biseriata* (Wulp, 1894)

- 54. *Drino (Palexorista) dilaticornis* (Mesnil, 1951)
- 55. *Drino (Palexorista) laxa* (Curran, 1927)
- 56. *Drino (Palexorista) lucagus* (Walker, 1849)
- 57. *Drino (Palexorista) munda* (Wiedemann, 1830)
- 58. *Drino (Palexorista) paraachrysops* (Bezzi, 1925)
- 59. *Drino (Palexorista) reclinata* (Crosskey, 1967)
- 60. *Drino (Palexorista) solennis* (Walker, 1858)

Subgenus *Zygobothria* Mik, 1891

- 61. *Drino (Zygobothria) atropivora* (Robineau-Desvoidy, 1830)
- 62. *Drino (Zygobothria) ciliata* (van der Wulp, 1881)

30. Genus *Isosturmia* Townsend, 1927

- 63. *Isosturmia japonica* (Mesnil, 1957) (= *chatterjeeana*)
- 64. *Isosturmia picta* (Baranov, 1932)

31. Genus *Paradrino* Mesnil, 1949

- 65. *Paradrino pilifacies* Lahiri, 2006

32. Genus *Phryxe* Robineau-Desvoidy, 1830

- 66. *Phryxe patruelis* Mesnil, 1953

33. Genus *Pseudoperichaeta* Brauer & Bergenstamm, 1889

- 67. *Pseudoperichaeta indica* (Gardner, 1940)
- 68. *Pseudoperichaeta monochaeta* (Mesnil, 1952)
- 69. *Pseudoperichaeta roseanella* (Baranov, 1936)

34. Genus *Rhinomyodes* Townsend, 1933

- 70. *Rhinomyodes emporomyioides* Townsend, 1933

35. Genus *Senometopia* Macquart, 1834

- 71. *Senometopia excisa* (Fallén, 1820)
- 72. *Senometopia illota* (Curran, 1927)
- 73. *Senometopia indica* (Baranov, 1934)
- 74. *Senometopia prima* (Baranov, 1931)
- 75. *Senometopia quinta* (Baranov, 1931)

36. Genus *Sisyropa* Brauer & Bergenstamm, 1889

- 76. *Sisyropa formosa* Mesnil, 1944
- 77. *Sisyropa heterusia* (Coquillett, 1899)
- 78. *Sisyropa picta* (Baranov, 1935)
- 79. *Sisyropa prominens* (Walker, 1859)
- 80. *Sisyropa stylata* (Townsend, 1933)
- 81. *Sisyropa thermophila* (Wiedemann, 1830)

37. Genus *Sturmiopsis* Townsend, 1916

- 82. *Sturmiopsis inferens* Townsend, 1916

38. Genus *Thecocarcelia* Townsend, 1933

- 83. *Thecocarcelia oculata* (Baranov, 1935)
- 84. *Thecocarcelia parnarae* Chao, 1976
- 85. *Thecocarcelia sumatrana* (Baranov, 1932)

Tribe: Ethillini

39. Genus *Paratryphera* Brauer & Bergenstamm, 1891

- 86. *Paratryphera longicornis* Mesnil, 1970

40. Genus *Phorocerosoma* Townsend, 1927

- 87. *Phorocerosoma vicarium* (Walker, 1856)

Tribe: Exoristini

41. Genus *Austrophorocera* Townsend, 1916

- 88. *Austrophorocera grandis* (Macquart, 1851)

42. Genus *Bessa* Robineau-Desvoidy, 1863

- 89. *Bessa remota* (Aldrich, 1925)

43. Genus *Chetogena* Rondani, 1856

90. *Chetogena raoi* Mesnil, 1968

44. Genus *Chaetexorista* Brauer & Bergenstamm, 1895

91. *Chaetexorista javana* Brauer & Bergenstamm, 1895

92. *Chaetexorista lushaiensis* Lahiri, 2007

45. Genus *Exorista* Meigen, 1803

Subgenus *Exorista* Meigen, 1803

93. *Exorista (Exorista) castanea* (Wulp, 1894)

94. *Exorista (Exorista) japonica* (Townsend, 1909)

95. *Exorista (Exorista) larvarum* (Linnaeus, 1758)

96. *Exorista (Exorista) psamathe* (Walker, 1849)

97. *Exorista (Exorista) rossica* Mesnil, 1960

98. *Exorista (Exorista) subnigra* (Wulp, 1894)

99. *Exorista (Exorista) velutina* Mesnil, 1953

Subgenus *Podotachina* Brauer & Bergenstamm, 1891

100. *Exorista (Podotachina) sorbillans* (Wiedemann, 1830)

Subgenus *Ptilotachina* Brauer & Bergenstamm, 1891

101. *Exorista (Ptilotachina) xanthapsis* (Wiedemann, 1830)

46. Genus *Phorina* Robineau-Desvoidy, 1830

102. *Phorina nigra* Lahiri, 2006

Tribe: Goniini

47. Genus *Aneogmena* Brauer & Bergenstamm, 1891

103. *Aneogmena fischeri* Brauer & Bergenstamm, 1891

104. *Aneogmena lucifera* Walker, 1852

48. Genus *Argyrophylax* Brauer & Bergenstamm, 1889

105. *Argyrophylax fransseni* (Baranov, 1934)

106. *Argyrophylax nigrotibialis* (Baranov, 1935)

107. *Argyrophylax phoedus* (Townsend, 1927)

49. Genus *Blepharella* Macquart, 1851

108. *Blepharella lateralis* Macquart, 1851

50. Genus *Blepharipa* Rondani, 1856

- 109. *Blepharipa albocinta* (Mesnil, 1956)
- 110. *Blepharipa fusiformis* (Walker, 1849)
- 111. *Blepharipa jacobsoni* (Townsend, 1927)
- 112. *Blepharipa orbitalis* (Townsend, 1927)
- 113. *Blepharipa wainwrighti* (Baranov, 1932)
- 114. *Blepharipa zebina* (Walker, 1849)
- 114 a. *Blepharipa zebina manipurensis* Lahiri, 2006

51. Genus *Cadurcia* Villeneuve, 1926

115. *Cadurcia* Villeneuve, 1926

52. Genus *Dolichocolon* Brauer & Bergenstamm, 1889

116. *Dolichocolon vicinum* Mesnil, 1968

53. Genus *Elodia* Robineau-Desvoidy, 1863

117. *Elodia atra* (Gardner, 1940)

54. Genus *Eurysthaea* Robineau-Desvoidy, 1863

- 118. *Eurysthaea cinctella* Mesnil, 1953
- 119. *Eurysthaea leveriana* Baranov, 1934

55. Genus *Frontina* Meigen, 1838

120. *Frontina adusta* (Walker, 1853)

56. Genus *Gonia* Meigen, 1803

- 121. *Gonia chinensis* Wiedemann, 1824
- 122. *Gonia kalimpongensis* (Das, 1993)
- 123. *Gonia klapperichi* (Mesnil, 1956)

57. Genus *Goniophthalmus* Villeneuve, 1910

124. *Goniophthalmus halli* Mesnil, 1956

58. Genus *Isochaetina* Mesnil, 1950

125. *Isochaetina dimorpha* (Mesnil, 1950)

59. Genus *Nealsomyia* Mesnil, 1939

126. *Nealsomyia rufella* (Bezzi, 1925)

127. *Nealsomyia rufipes* (Villeneuve, 1937)

60. Genus *Pales* Robineau-Desvoidy, 1830

128. *Pales murina* Mesnil, 1970

61. Genus *Polygasropteryx* Mesnil, 1953

129. *Polygasropteryx bicoloripes* Mesnil, 1953

62. Genus *Prosopodopsis* Townsend, 1926

130. *Prosopodopsis appendiculata* (de Meijere, 1910)

131. *Prosopodopsis orbitalis* (Baranov, 1938)

63. Genus *Pseudogonia* Brauer & Bergenstamm, 1889

132. *Pseudogonia rufifrons* (Wiedemann, 1830)

64. Genus *Simoma* Aldrich, 1926

133. *Simoma grahami* Aldrich, 1926

65. Genus *Spallanzania* Robineau-Desvoidy, 1830

134. *Spallanzania hebes* (Fallén, 1820)

66. Genus *Sturmia* Robineau-Desvoidy, 1830

135. *Sturmia convergens* (Wiedemann, 1824)

67. Genus *Suensonomyia* Mesnil, 1953

136. *Suensonomyia setinerva* Mesnil, 1953

68. Genus *Takanomyia* Mesnil, 1957

137. *Takanomyia scutellata* Mesnil, 1957

69. Genus *Thelairodino* Mesnil, 1954

138. *Thelairodino gracilis* (Mesnil, 1952)

70. Genus *Trixomorpha* Brauer & Bergenstamm, 1889

139. *Trixomorpha indica* Brauer & Bergenstamm, 1889

71. Genus *Zenillia* Robineau-Desvoidy, 1830

140. *Zenillia terrosa* Mesnil, 1953

Tribe: Winthemiini

72. Genus *Nemorilla* Rondani, 1856

141. *Nemorilla maculosa* (Meigen, 1824)

73. Genus *Smidtia* Robineau-Desvoidy, 1830

142. *Smidtia* (= *Timavia*) *atriventris* (Walker, 1852)

74. Genus *Winthemia* Robineau-Desvoidy, 1830

143. *Winthemia mallochi* Baranov, 1932

**Subfamily: Phasiinae
Tribe: Cylindromyiini**

75. Genus *Bellina* Robineau-Desvoidy, 1830

144. *Bellina melanura* Robineau-Desvoidy

76. Genus *Cylindromyia* Meigen, 1803

Unplaced to subgenus

- 145. *Ecatocyptera evibrissata* (Townsend, 1927)
- 146. *Eocyptera orientalis* (Townsend, 1927)
- 147. *Ocyptera fuscipennis* Wiedemann, 1819
- 148. *Cylindromyia orientalis* (Townsend, 1927)
- 149. *Cylindromyia wiedemanni* Crosskey, 1976

77. Genus *Lophosia* Meigen, 1824

- 150. *Lophosia bicincta* (Robineau-Desvoidy, 1830)
- 151. *Lophosia excisa* Tothill, 1918
- 152. *Lophosia felderi* (Brauer & Bergenstamm, 1893)
- 153. *Lophosia imbuta* (Wiedemann, 1819)
- 154. *Lophosia obscura* (Brauer & Bergenstamm, 1893)

Tribe: Hermyini

78. Genus *Hermya* Robineau-Desvoidy, 1830

- 155. *Hermya beelzebul* (Wiedemann, 1830)
- 156. *Hermya micans* (van der Wulp, 1881)

Tribe: Phasiini

79. Genus *Ectophasia* Townsend, 1912

- 157. *Ectophasia atripennis* (Townsend, 1927)

80. Genus *Gymnosoma* Meigen, 1803

- 158. *Gymnosoma hamiense* Dupuis, 1966
- 159. *Gymnosoma indicum* Walker, 1853

81. Genus *Phasia* Latreille, 1804

- 160. *Phasia indica* Robineau-Desvoidy, 1953

82. Genus *Pentatomophaga* de Meijere, 1917

- 161. *Pentatomophaga latifascia* (Villeneuve, 1932)

83. Genus *Perigymnosoma* Villeneuve, 1929

162. *Perigymnosoma globulum* Villeneuve, 1929

**Subfamily: Tachininae
Tribe: Acemyini**

84. Genus *Acemya* Robineau-Desvoidy, 1830

163. *Acemya indica* Mesnil, 1968

85. Genus *Eoacemyia* Townsend, 1926

164. *Eoacemyia errans* (Wiedemann, 1824)

Tribe Doleschallini

86. Genus *Doleschalla* Walker, 1861

165. *Doleschalla elongata* (Wulp, 1885)

Tribe: Ernestiini

87. Genus *Eurithia* Robineau-Desvoidy, 1844

166. *Eurithia indica* Lahiri, 2003

88. Genus *Gymnocheta* Robineau-Desvoidy, 1830

167. *Gymnocheta porphyrophora* Zimin, 1958

89. Genus *Janthinomyia* Brauer & Bergenstamm, 1893

168. *Janthinomyia felderi* Brauer & Bergenstamm, 1893

90. Genus *Linnaemya* Robineau-Desvoidy, 1830

Subgenus *Linnaemya* Robineau-Desvoidy, 1830

- 169. *Linnaemya (Linnaemya) atriventris* (Malloch, 1935)
- 170. *Linnaemya (Linnaemya) comta* (Fallén, 1810)
- 171. *Linnaemya (Linnaemya) soror* Zimin, 1954
- 172. *Linnaemya (Linnaemya) vulpinoides* (Baranov, 1932)

Subgenus *Ophina* Robineau-Desvoidy, 1863

- 173. *Linnaemya (Ophina) omega* Zimin, 1954
- 174. *Linnaemya (Ophina) picta* (Meigen, 1824)

Tribe: Germariini

91. Genus *Anthomyiopsis* Townsend, 1916

- 175. *Anthomyiopsis nigra* (Baranov, 1938)

Tribe: Graphogastrini

92. Genus *Phytomyptera* Rondani, 1845

- 176. *Phytomyptera minuta* (Townsend, 1927)

Tribe: Leskiini

93. Genus *Atylostoma* Brauer & Bergenstamm, 1889

- 177. *Atylostoma javanum* (Brauer & Bergenstamm, 1895)

94. Genus *Clausicella* Rondani, 1856

- 178. *Clausicella triangulifera* Mesnil, 1963

95. Genus *Demoticoides* Mesnil, 1953

- 179. *Demoticoides pallidus* Mesnil, 1953

96. Genus *Leksia* Robineau-Desvoidy, 1830

- 180. *Leksia bezziana* (Baranov, 1938)

97. Genus *Thelairoleskia* Townsend, 1926

181. *Thelairoleskia longicornis* (Mesnil, 1953)

Tribe: Macquartiini

98. Genus *Macquartia* Robineau-Desvoidy, 1830

182. *Macquartia tessellum* (Meigen, 1824)

Tribe: Megaprosopini

99. Genus *Dexiosoma* Rondani, 1856

183. *Dexiosoma aristatum* Mesnil, 1970

100. Genus *Microphthalma* Macquart, 1844

184. *Microphthalma europaea* Egger, 1860

Tribe: Minthoini

101. Genus *Sumpigaster* Macquart, 1855

185. *Sumpigaster flavipennis* (Wiedemann, 1824)

186. *Sumpigaster plumicornis* (Mesnil, 1957)

187. *Sumpigaster subcompressa* (Walker, 1853)

Tribe: Nemoraeini

102. Genus *Nemoraea* Robineau-Desvoidy, 1830

188. *Nemoraea echinata* Mensil, 1953

189. *Nemoraea fenestrata* (Mensil, 1971)

190. *Nemoraea grandis* (Walker, 1852)

191. *Nemoraea ornata* (Bigot, 1889)

192. *Nemoraea raoi* (Mensil, 1971)

193. *Nemoraea titan* (Walker, 1849)

Tribe: Ormiini

103. Genus *Phasioormia* Townsend, 1933

194. *Phasioormia bicornis* (Malloch, 1932)

104. Genus *Therobia* Brauer, 1862

195. *Therobia abdominalis* (Wiedemann, 1830)

Tribe Prosenini

105. Genus *Dolichodexia* Brauer & Bergenstamm, 1889

196. *Dolichodexia albipilla* Mesnil, 1953

106. Genus *Myostoma* Robineau-Desvoidy, 1830

197. *Myostoma magnum* Baranov, 1935

Tribe: Siphonini

107. Genus *Actia* Robineau-Desvoidy, 1830

198. *Actia mimetica* Malloch, 1930

108. Genus *Ceromya* Robineau-Desvoidy, 1830

199. *Ceromya mallochiana* (Gardner, 1940)

200. *Ceromya patellicornis* Mesnil, 1957

109. Genus *Peribaea* Robineau-Desvoidy, 1863

201. *Peribaea hyalinata* (Malloch, 1930)

202. *Peribaea orbata* (Wiedemann, 1830)

203. *Peribaea suspecta* Malloch, 1924

110. Genus *Siphona* Meigen, 1803

Subgenus *Aphantorhaphopsis* Townsend, 1926

204. *Siphona (Aphantorhaphopsis) perispoliata* (Mesnil, 1953)

Tribe: Tachinini

111. Genus *Mikia* Kowarz, 1885

205. *Mikia apicalis* (Matsumura, 1916)
 206. *Mikia tepens* (Walker, 1849)

112. Genus *Peleteria* Robineau-Desvoidy, 1830

207. *Peleteria iavana* (Wiedemann, 1819)
 208. *Peleteria varia* (Fabricius, 1794)

113. Genus *Tachina* Meigen, 1803

Subgenus *Nowickia* Wachtl, 1894

209. *Tachina (Nowickia) polita* (Zimin, 1935)

Subgenus *Tachina* Meigen, 1803

210. *Tachina (Tachina) fulva* (Walker, 1853)
 211. *Tachina (Tachina) rufoanlis* (Macquart, 1851)
 212. *Tachina (Tachina) sacontala* Walker, 1853
 213. *Tachina (Tachina) sobria* Walker, 1853
 214. *Tachina (Tachina) subcinerea* Walker, 1853
 215. *Tachina (Tachina) ursinoidea* (Tothill, 1918)
 216. *Tachina (Tachina) tricolor* (Lichtwardt, 1909)

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