

FAUNA OF INDIA CHECKLIST

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ARTHROPODA: INSECTA: MALLOPHAGA

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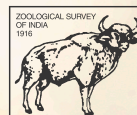
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ZOOLOGICAL SURVEY OF INDIA
Ministry of Environment, Forest & Climate Change

ARTHROPODA: INSECTA: MALLOHAGA

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Introduction: Mallophagan are tiny, wingless, dorso-ventrally flattened, and permanent ectoparasites of birds, occasionally found on mammals, and commonly called chewing lice. They have a tough segmented integumentary body, three pairs of jointed legs adapted for clinging, a pair of 3-5 segmented antennae that are either capitate or filiform and well-developed biting-type mouthparts. Mallophaga is usually divided into three groups: Amblycera, Ischnocera, and Rhynchophthirina. The amblyceran has short antennae that are recessed in antennal grooves; maxillary palps are present; and the mandible lies parallel to the ventral surface of the head. The ischnoceran has filiform 3-5 segmented antennae that are quite obvious and no antennal grooves. The maxillary palps are absent, and the opposable mandible is inserted more or less at right angles to the head. Rhynchophthirina have a long proboscis and mandibles at the tip of the rostrum. Chewing lice pass through the eggs, three nymphal instars, and the adult stages on their host body. The eggs are attached to the host's feathers or hairs, and generation after generation is spent on the same hosts. The duration of the different stages of development varies from species to species, and it may vary from three to seven weeks.

Global diversity: More than 4,801 species of Mallophaga belonging to 254 genera and 9 families are known from all over the world.

Diversity in India: A total of 414 species of Mallophaga belonging to 84 genera and 7 families have been listed in India.

Diversity in States (Table):

| Sl. No. | State/UT | No. of Species | No. of Endemic Species |
|---------|-------------------|----------------|------------------------|
| 1 | Andhra Pradesh | 28 | 0 |
| 2 | Arunachal Pradesh | 8 | 0 |
| 3 | Assam | 35 | 0 |
| 4 | Bihar | 5 | 0 |
| 5 | Chhattisgarh | 1 | 0 |
| 6 | Gujarat | 8 | 0 |
| 7 | Goa | 0 | 0 |
| 8 | Haryana | 0 | 0 |
| 9 | Himachal Pradesh | 33 | 0 |
| 10 | Jharkhand | 0 | 0 |
| 11 | Karnataka | 13 | 0 |
| 12 | Kerala | 7 | 0 |

| Sl. No. | State/UT | No. of Species | No. of Endemic Species |
|---------|--------------------------------|----------------|------------------------|
| 13 | Madhaya Pradesh | 9 | 0 |
| 14 | Maharashtra | 31 | 0 |
| 15 | Manipur | 24 | 0 |
| 16 | Meghalaya | 51 | 0 |
| 17 | Mizoram | 0 | 0 |
| 18 | Nagaland | 1 | 0 |
| 19 | Odisha | 31 | 2 |
| 20 | Punjab | 61 | 0 |
| 21 | Rajasthan | 42 | 0 |
| 22 | Sikkim | 62 | 0 |
| 23 | Tamil Nadu | 5 | 0 |
| 24 | Telangana | 0 | 0 |
| 25 | Tripura | 0 | 0 |
| 26 | Uttarpradesh | 98 | 0 |
| 27 | Uttarakhand | 37 | 0 |
| 28 | West Bengal | 39 | 0 |
| 29 | Andaman & Nicobar | 6 | 0 |
| 30 | Chandigarh | 0 | 0 |
| 31 | Dadra Nagar Haveli Daman & Diu | 0 | 0 |
| 32 | Delhi | 10 | 0 |
| 33 | Jammu & Kashmir | 42 | 0 |
| 34 | Ladakh | 7 | 0 |
| 35 | Lakshadweep | 0 | 0 |
| 36 | Puducherry | 0 | 0 |
| | TOTAL | 414 | 0 |

Endemism: Even though many mallophagan species that only breed in India have wide geographic ranges that include neighbouring nations, they cannot be considered truly endemic to India.

Habitat: Mallophagans are highly host-specific and are obligatory, permanent ectoparasites of birds and mammals. Consequently, lice are found in almost every habitat where their hosts can survive.

Ecological Significance: Mallophagan species are parasitic insects that infest birds and mammals and have a significant ecological impact on the ecosystems in which they live. Since lice have evolved alongside their hosts, their presence on a host can reveal vital details about the ecology and evolution of the host. The abundance and distribution of lice on the host have been utilised as bioindicators of environmental health; for instance, the presence of a specific lice species on a specific host species can disclose the host's evolutionary history and biogeography.

Human Significance: Contrary to the belief of general people and live stockholders that mallophagan species are harmless creatures, current research clearly indicates that they do not only affect the vitality and productivity of hosts but are also involved in spreading various infectious strains, *i.e.*, viruses, bacteria, and filarial worms, such as *Menacanthus stramineus* and *Menopon gallinae*, which transmit *Pasteurella multocida*, *Salmonella gallinarum*, and *Toxoplasma gondii*. Even fewer species of lice are capable of acting as intermediate hosts for filarial worms, *i.e.*, *Filaria cypseli*, *Diptelonema reconditum*, and *Sarconema eurycerca*. The presence of a small infestation has little impact except for the potential for future population growth, but in severe situations of infection by hemophagic species, this may result in increasingly severe skin wounds, it results in a skin lesion, which acts as a potential site for the entry of other pathogens. Hence, the concept and economic impact of these ectoparasites are intended to stimulate the general public and live stockholders and help them improve their economies.

Threatened species: No species of mallophaga has found as critically Endangered as per IUCN.

Protected Species as per WPA (2022): No species of Mallophaga are protected as per Wild Life Protection Act, 2022.

Species under CITES: No species of Mallophaga are listed under CITES.

Invasive alien species: Yet not described but deserve exploration.

Gap areas: There are no species of mallophaga found in many states, *i.e.*, Chandigarh, Dadra Nagar Haveli, Goa, Haryana, Jharkhand, Lakshadweep, Mizoram, Puducherry, Telangana, and Tripura, and very poor information is documented in states, *i.e.*, Andaman & Nicobar, Arunachal Pradesh, Bihar, Chhattisgarh, Ladakh, Nagaland, and Tamil Nadu. The molecular studies, economic impacts and seasonal variation of lice are also some of the challenging aspects to be taken into account in this order.

Systematic list:

Suborder-Mallophaga

Family Boopidae

1. *Heterodoxus Spiniger* (Enderlein, 1909)
2. *Boopia grandis* Piaget, 1885

Family Laemobothriidae

3. *Laemobothrion (Eulaemobothrion) atrum* (Nitzsch, 1818)
4. *Laemobothrion (Eulaemobothrion) biswasi* Lakshminarayana, 1968
5. *Laemobothrion (Laemobothrion) maximum* Scopoli, 1763
6. *Laemobothrion (Laemobothrion) tinnunculi* (Linnaeus, 1758)
7. *Laemobothrion (Laemobothrion) vulturis* Fabricius, 1775

Family Ricinidae

8. *Ricinus fringillae* De Geer, 1778
9. *Ricinus ivanovi* Blagoveshtchensky, 1951
10. *Ricinus meinertzhageni* Rheinwald, 1968
11. *Ricinus rubeculae* (Schränk, 1776)
12. *Ricinus serratus* (Durrant, 1906)

Family Menoponidae

13. *Actornithophilus grandiceps* (Piaget, 1880)
14. *Actornithophilus himantopi* Blagoveshtchensky, 1951
15. *Actornithophilus hoplopteri* (Mjöberg, 1910)
16. *Actornithophilus limosae* (Kelloog, 1908)
17. *Actornithophilus lyallpurensis* Ansari, 1955
18. *Actornithophilus ochraceus* (Nitzsch, 1818)
19. *Actornithophilus paludosus* Clay, 1962

20. *Actornithophilus patellatus* (Piaget, 1890)
21. *Actornithophilus pustulosus* (Piaget, 1880)
22. *Actornithophilus spinulosus* (Piaget, 1880)
23. *Actornithophilus totani* (Scrank, 1803)
24. *Actornithophilus umbrinus* (Burmeister, 1838)
25. *Amyrsidea elbeli* Emerson & Stojanovich, 1963
26. *Amyrsidea minuta* Emerson, 1961
27. *Amyrsidea phaeostoma* (Nitzsch, 1866)
28. *Ardeiphilus vittatus* (Rudow, 1866)
29. *Ardeiphilus trochioxus* (Burmeister, 1838)
30. *Austromenopon crocatum* (Nitzsch, 1866)
31. *Austromenopon leucurae* Timmerman, 1955
32. *Austromenopon limosae* Timmerman, 1955
33. *Austromenopon durisetosum* Blagovestchensky, 1948
34. *Chapinia acutovulvata* (Piaget, 1881)
35. *Chapinia clayae* Elbel, 1967
36. *Ciconiphilus decimfasciatus* (Boisduval & Lacordaire, 1835)
37. *Ciconiphilus matosi* (Tendeiro, 1958)
38. *Ciconiphilus quadripustulatus* (Burmeister, 1838)
39. *Ciconiphilus temporalis* (Piaget, 1880)
40. *Colpocephalum aethiopicae* Price & Beer, 1965
41. *Colpocephalum apivorus* Tendeiro, 1953
42. *Colpocephalum asiatici* Price & Beer, 1965
43. *Colpocephalum cooki* Price & Beer, 1965
44. *Colpocephalum flavescens* (Haan, 1829)
45. *Colpocephalum fregili* Denny, 1842
46. *Colpocephalum heterosoma* Piaget, 1880
47. *Colpocephalum impressum* Rudow, 1866
48. *Colpocephalum indi* Price & Beer, 1963
49. *Colpocephalum leucocephali* Price & Beer, 1965
50. *Colpocephalum longicaudum* Nitzsch, 1866
51. *Colpocephalum melanocephalae* Price & Beer, 1965
52. *Colpocephalum occipitale* Giebel, 1866
53. *Colpocephalum oscitansi* Price & Beer, 1965
54. *Colpocephalum pectinatum* Osborn, 1902
55. *Colpocephalum percnopteri* Price & Beer, 1963
56. *Colpocephalum platalae* Price & Beer, 1965
57. *Colpocephalum polybori* Rudbow, 1869
58. *Colpocephalum rosei* Price & Emerson, 1974
59. *Colpocephalum salimalii* Clay, 1951
60. *Colpocephalum sinensis* Price, 1968
61. *Colpocephalum tausi* (Ansari, 1951)
62. *Colpocephalum tirkhan* (Ansari, 1951)
63. *Colpocephalum turbinatum* Denny, 1842
64. *Colpocephalum uchidi* (Qadri, 1936)
65. *Colpocephalum zerafae* Ansari, 1955
66. *Ctenigogus erinaceimorphus* Eichler & Ziatorzycka, 1963
67. *Cuculiphilus (Falcophilus) cathartaepapae* (Giebel, 1861)
68. *Cuculiphilus (Aegyphophilus) gypsis* (Eichler, 1944)
69. *Cuculiphilus snodgrassi* (Kellog & Kuwana, 1902)
70. *Cuculiphilus upak* Ansari, 1951
71. *Dennyus cypsiurus* Thompson, 1948
72. *Dennyus giganteus* Emerson & price, 1968
73. *Dennyus hirundinis* (Linnaeus, 1761)
74. *Dennyus medwayi* Ledger, 1970
75. *Dennyus vonarxi* Buttikar, 1954
76. *Eidmanniella albescens* (Piaget, 1880)
77. *Eidmanniella eurygaster* Giebel, 1866
78. *Eucolpocephalum femorale* (Piaget, 1880)
79. *Heleonomus elbeli* Price, 1970
80. *Heleonomus laveryi* Price, 1970
81. *Heleonomus macilentus* (Nitsch, 1866)
82. *Heleonomus semiluctus* (Gervais, 1844)
83. *Hohorstiella lata* (Piaget, 1880)
84. *Hohorstiella rampurensis* Bansal, 2010

85. *Hohorstiella tandani* Rai, 1977
86. *Holomenopon leucoanthum* Burmeister, 1838
87. *Holomenopon tadornae* (Gervais, 1844)
88. *Holomenopon maxbeieri* Eichler, 1954
89. *Kelerimenopon psittaclulae* Price & Emerson, 1966
90. *Kurodaia deignani* Elbel & Emerson, 1960
91. *Kurodaia* (*Kurodaia*) *fulvofasciata* (Piaget, 1880)
92. *Kurodaia* (*Conciella*) *punjabensis* (Ansari, 1951)
93. *Menopon gallinae* Linnaeus, 1758
94. *Menacanthus abdominalis* (Piaget, 1880)
95. *Menacanthus camelinus* Nitzsch, 1874
96. *Menacanthus cornutus* (Schommer, 1913)
97. *Menacanthus eurysternus* Burmeister, 1838
98. *Menacanthus gonophaeus* (Burm, 1838)
99. *Menacanthus kalatitar* Ansari, 1951
100. *Menacanthus monochromateus* (Kellog & Paine, 1914)
101. *Menacanthus palmai* Bansal, 2013
102. *Menacanthus stramineus* (Nitzsch, 1818)
103. *Menacanthus unicolor* (Piaget, 1880)
104. *Myrsidea agarwali* Khan, 2009
105. *Myrsidea amandavae* Clay, 1970
106. *Myrsidea ananthakrishnani* Rai, 1978
107. *Myrsidea assamensis* Tandan, 1972
108. *Myrsidea baktitar* Ansari, 1951
109. *Myrsidea balati* Machacek, 1977
110. *Myrsidea bharat* Tandon & Clay, 1971
111. *Myrsidea bhutanensis* Tandon, 1972
112. *Myrsidea brunnea* (Nitzsch, 1866)
113. *Myrsidea chilchil* Ansari, 1951
114. *Myrsidea clayae* Klockenhoff, 1969
115. *Myrsidea cornicis* (De Geer, 1778)
116. *Myrsidea cucularis* (Nitzsch, 1818)
117. *Myrsidea cyrtostigma* (Kellogg & Chapmann, 1902)
118. *Myrsidea dukhunensis* Ansari, 1951
119. *Myrsidea flavirostrata* Ansari, 1951
120. *Myrsidea himalayensis* Klockenhoff, 1969
121. *Myrsidea invadens* (Kellogg & Chapman, 1902)
122. *Myrsidea ishizawai* Uchida, 1926
123. *Myrsidea isostoma* (Nitzsch, 1866)
124. *Myrsidea macraidoia* Tandon, 1972
125. *Myrsidea manipurensis* Tandan, 1972
126. *Myrsidea nigra* (Kellogg & Paine, 1911)
127. *Myrsidea orientalis* Tandan, 1972
128. *Myrsidea pycnonoti* Eichler, 1947
129. *Myrsidea subcoracis* Klockenhoff & Schirmers, 1976
130. *Myrsidea quadrifasciata* (Piaget, 1880)
131. *Myrsidea ruficeps* Nitzsch, 1866
132. *Myrsidea salimalii* Tandon & Clay, 1971
133. *Myrsidea satbhai* Ansari, 1951
134. *Myrsidea sehri* Ansari, 1951
135. *Myrsidea sikkimensis* Tandon, 1972
136. *Myrsidea singularis* Tandon, 1972
137. *Myrsidea srivastavai* Clay, 1970
138. *Myrsidea sultanpurensis* Ansari, 1951
139. *Myrsidea tibetana* Klockenhoff & Schirmers, 1976
140. *Myrsidea thoracica* (Giebel, 1874)
141. *Nosopon chanabense* Ansari, 1951
142. *Nosopon clayae* Price & Beer, 1963
143. *Piagetiella titan* (Piaget), 1880
144. *Plegadiphilus threskiornis* Bedford, 1939
145. *Pseudomenopon concretum* (Piaget, 1880)
146. *Pseudomenopon dolium* (Rudow, 1869)
147. *Pseudomenopon lanceolatum* (Tendeiro, 1965)
148. *Pseudomenopon phoenicuri* Price, 1974

149. *Pseudomenopon pilosum* (Scopoli, 1763)
 150. *Trinoton emersoni* Clay, 1963
 151. *Trinoton querquedulae* (Linne), 1758
 Family Haematomyzidae
 152. *Haematomyzus elephantis* Piaget, 1869
 Family Philopteridae
 153. *Acidoproctus moschatae* (Linne, 1758)
 154. *Aegypoeus perspicuus* (Kellogg, 1914)
 155. *Alcedoecus annulatus* Ansari, 1955
 156. *Alcedoecus capistratus* Neumann, 1912
 157. *Anaticola anseris* Linnaeus, 1758
 158. *Anaticola crassicornis* (Scopoli, 1763)
 159. *Anaticola mergiserrati* De Geer, 1778
 160. *Anatoecus dentatus* (Scopoli, 1763)
 161. *Anatoecus icterodes* (Nitzsch, 1818)
 162. *Anatoecus pygaspis* (Giebel, 1866)
 163. *Aquanirmus bahli* Tandan, 1951
 164. *Ardeicola asiaticus* Kumar and Tandan, 1971
 165. *Ardeicola castaneus* (Piaget, 1885)
 166. *Ardeicola denelli* Hajela & Tandan, 1967
 167. *Ardeicola expallidus* Blagov, 1940
 168. *Ardeicola hardayali* Tandan and Kumar, 1969
 169. *Ardeicola indicus* Brelih, 1965
 170. *Ardeicola lepidus* (Giebel, 1866)
 171. *Ardeicola plataleae* (Linne), 1758
 172. *Ardeicola tantali* Fabricius, 1798
 173. *Bedfordiella unica* Thompson, 1937
 174. *Brueelia amandavae* Rekasi, 2005
 175. *Brueelia antennatus* Ansari, 1956
 176. *Brueelia avinus* Ansari, 1956
 177. *Brueelia biguttata* (Kellog & Pain, 1914)
 178. *Brueelia biocellata* (Piaget, 1880)
 179. *Brueelia chayanh* Ansari, 1955
 180. *Brueelia cyclothorax* (Burm, 1838)
 181. *Brueelia dicruri* Ansari, 1955
 182. *Brueelia daunae* (Clay, 1936)
 183. *Brueelia efronte* Ansari, 1956
 184. *Brueelia ginginianus* Ansari, 1956
 185. *Brueelia grandalae* (Clay, 1936)
 186. *Brueelia guldum* Ansari, 1955
 187. *Brueelia husaini* Ansari, 1956
 188. *Brueelia impressifrons* Ansari, 1956
 189. *Brueelia iliaci* Denny, 1842
 190. *Brueelia longisternus* Ansari, 1956
 191. *Brueelia maharasthan* Ansari, 1956
 192. *Brueelia marginata* (Burmeister, 1838)
 193. *Brueelia meinertzhageni* Ansari, 1956
 194. *Brueelia multipunctata* (Clay, 1936)
 195. *Brueelia myophoneae* (Clay, 1936)
 196. *Brueelia nipalensis* Ansari, 1956
 197. *Brueelia novafacies* Ansari, 1956
 198. *Brueelia olivacea* (Burmeister, 1838)
 199. *Brueelia oudhensis* Ansari, 1956
 200. *Brueelia plocea* Lakshminarayana, 1968
 201. *Brueelia punjabensis* Ansari, 1947
 202. *Brueelia saliemii* Ansari, 1957
 203. *Brueelia sehri* Ansari, 1955
 204. *Brueelia sternotypicus* Ansari, 1956
 205. *Brueelia stresemanni* (Clay, 1936)
 206. *Brueelia subtilis* (Nitzsch, 1874)
 207. *Brueelia uncinosa* (Burmeister, 1838)
 208. *Brueelia varia* (Burmeister, 1838)
 209. *Brueelia ventratum* Ansari, 1956
 210. *Brueelia zootherae* (Clay, 1936)

211. *Buceronirmus albescens* (Piaget, 1890)
212. *Buceronirmus deignani* Elbel, 1977
213. *Campanulotes compar* (Burmeister, 1838)
214. *Campanulotes heteroceros* Tendeiro, 1969
215. *Carduiceps cingulatus* (Denny, 1842)
216. *Caprailla subcuspidata* (Burmeister, 1838)
217. *Chelopistes lervicola* (Clay, 1941)
218. *Coloceras aegyptiacum* (Kellog & Paine, 1911)
219. *Coloceras chinense* Kellogg & Chapman, 1902
220. *Coloceras doreyanus* (Eichler, 1950)
221. *Coloceras indicum* (Tendeiro, 1973)
222. *Coloceras lativentris* (Uchida, 1916)
223. *Coloceras liviea* Tendeiro, 1974
224. *Coloceras orientalis* (Tendeiro, 1969)
225. *Coloceras piageti* (Johnston & Harrison)
226. *Coloceras setosum* (Piaget, 1880)
227. *Coloceras softoticus* Eichler, 1950
228. *Coloceras unchalli* (Tendeiro, 1972)
229. *Coloceras piriformes* (Tendeiro, 1969)
230. *Columbicola bacillus* (Giebel, 1866)
231. *Columbicola cavifrons* Taschenberg, 1882
232. *Columbicola columbae* (Linnaeus, 1758)
233. *Columbicola confusissimus* Eichler, 1947
234. *Columbicola elbeli* Tendeiro, 1965
235. *Columbicola exilicornis* (Piaget, 1880)
236. *Columbicola fulmeki* Eichler, 1942
237. *Columbicola guimaraesi* Tendeiro, 1965
238. *Columbicola keleri* Tendeiro, 1965
239. *Columbicola phoenicopterae* Tendeiro, 1965
240. *Columbicola theresae* Ansari, 1955
241. *Columbicola turturis* (Uchida, 1917)
242. *Columbicola tschuly schman* Eichler, 1942
243. *Craspedorrhynchus nisi* (Denney, 1842)
244. *Craspedorrhynchus platystomus* (Burmeister, 1838)
245. *Craspedorrhynchus spathulatus* (Giebel, 1874)
246. *Cuclotogaster heterographus* (Nitzsch, 1866)
247. *Cuclotogaster nigromarginatus* (Piaget, 1880)
248. *Cuclotogaster spinicaudatus* (Clay, 1938)
249. *Cuclotogaster tetraogallus* (Clay, 1938)
250. *Cuclotogaster theresae* Tendeiro, 1958.
251. *Cummingsiella aurea* Hopkins, 1949
252. *Cummingsiella ovalis* (Scopoli, 1763)
253. *Degeeriella discocephalus* Burmeister, 1838
254. *Degeeriella elani* Tendeiro, 1955
255. *Degeeriella fulva* (Giebel, 1874)
256. *Degeeriella fusca* (Denny, 1842)
257. *Degeeriella punctifer* (Gervais, 1844)
258. *Degeeriella regalis* (Giebel, 1966)
259. *Degeeriella rufa* (Burmeister, 1838)
260. *Degeeriella storeri* Elbel & Price, 1973
261. *Echinophlopterus chapini* Ewing, 1927
262. *Esthiopterum elbeli* Tandon, 1973
263. *Esthiopterum indicum* Tandan, 1973
264. *Falcolipeurus frater* (Giebel, 1874)
265. *Falcolipeurus hopkinsi* Tandan, 1952
266. *Falcolipeurus longiphallus* Zlotorzycska, 1963
267. *Falcolipeurus quadripustulatus* (Burmeister, 1838)
268. *Falcolipeurus secretarius* (Giebel, 1874)
269. *Falcolipeurus suturalis* (Rudow, 1869)
270. *Fulicoffula lurida* (Nitzsch, 1818)
271. *Goniocotes chrysocephalus* Giebel, 1874
272. *Goniocotes diplogonus* Nitzsch, 1866
273. *Goniocotes gallinae* (De Geer, 1778)
274. *Goniocotes ignitus* Eichler, 1947

275. *Goniocotes jirufti* Ansari, 1947
276. *Goniocotes indicus* Kellog and Paine, 1914
277. *Goniocotes maculates* Taschenberg, 1882
278. *Goniocotes mayuri* Lakshminarayana and Emerson, 1971
279. *Goniocotes microthorax* (Stephens, 1829)
280. *Goniocotes nirmoides* Kellog and Paine, 1914
281. *Goniocotes parviceps* (Piaget, 1880)
282. *Goniocotes rectangulatus* Nitzsch, 1866
283. *Goniodes ammoperdix* Clay, 1940
284. *Goniodes astrocephalus* (Burmeister, 1838)
285. *Goniodes cervinicornis* Giebel, 1874
286. *Goniodes colchici* Denny, 1842
287. *Goniodes confusio* Clay, 1940
288. *Goniodes costatus* (Keler, 1939)
289. *Goniodes curvicornis* Nitzsch, 1866
290. *Goniodes dispar* Burmeister, 1838
291. *Goniodes dissimilis* Denny, 1842
292. *Goniodes eurygaster* Piaget, 1885
293. *Goniodes gigas* (Taschenberg, 1879)
294. *Goniodes indicus* (Kellogg & Paine, 1914)
295. *Goniodes intermedius* Neumann, 1913
296. *Goniodes ithaginis* Clay, 1940
297. *Goniodes longus* Rudow, 1869
298. *Goniodes megaceros* Kellogg & Paine, 1914
299. *Goniodes meinertzhageni* Clay, 1940
300. *Goniodes minor* (Piaget, 1880)
301. *Goniodes ocellatus* (Rudow, 1869)
302. *Goniodes pavonis* (Linne, 1758)
303. *Goniodes processus* Kellogg & Paine, 1914
304. *Goniodes sectus* Kellogg & Paine, 1914
305. *Goniodes soueefi* Clay, 1940
306. *Goniodes spinicornis* Nitzsch, 1866
307. *Goniodes temporalis* (Keler, 1939)
308. *Goniodes tragopan* Clay, 1940
309. *Ibidoecus clausus* (Giebel, 1874)
310. *Ibidoecus dennelli* Tandan, 1958
311. *Ibidoecus plataleae* (Denny, 1842)
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314. *Lagopoecus meinertzhageni* Clay, 1938
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316. *Lipeurus caponis* (Linnaeus, 1758)
317. *Lipeurus euryenemus* Taschenberg, 1882
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319. *Lipeurus lawrensis* Bedford, 1929
320. *Lipeurus maculosus* Clay, 1938
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334. *Oxylipeurus burmeisteri* (Taschenberg, 1882)
335. *Oxylipeurus connectens* Clay, 1938
336. *Oxylipeurus dentatus* (Sugimoto, 1934)
337. *Oxylipeurus himalayensis* (Rudow, 1869)
338. *Oxylipeurus ithaginis* Clay, 1938

339. *Oxylipeurus longus* (Piaget, 1880)
340. *Oxylipeurus megalops* (Piaget, 1880)
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344. *Oxylipeurus unicolor* (Piaget, 1880)
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347. *Peninirmus benedictae* (Ansari, 1955)
348. *Peninirmus pici* (Fabricius, 1798)
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350. *Philopterus crassipes* (Burmeister, 1838)
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353. *Philopterus garruli* Boisduval & Lacordaire, 1835
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360. *Quadriceps altoasiaticum* (Timmermann, 1954)
361. *Quadriceps anagrapsus* (Nitzsch, 1866)
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374. *Quadriceps semipalmatus* Timmermann, 1955
375. *Quadriceps signatus* (Piaget, 1880)
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381. *Rallicola (Rallicola) ortyometrae* (Schränk, 1781)
382. *Rallicola (Rallicola) thompsoni* Tendeiro, 1965
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386. *Saemundssonina (Saemundssonina) sterna* (Linnaeus, 1758)
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388. *Strigiphilus bramae* (Qadri, 1935)
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394. *Sturnidoecus bannoo* Ansari, 1955
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402. *Syrrhptoecus falcatus* Waterston, 1928

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 406. *Turturicola salimalii* Clay & Meinertzhagen, 1937
 407. *Turnicola angustissimus* (Giebel, 1866)
 408. *Upupicola upapae* (Schrank, 1803)
 Family Trichodectidae
 409. *Bovicola bovis* (Linne, 1758)
 410. *Bovicola caprae* (Gurlt, 1843)
 411. *Bovicola ovis* (Schrank, 1781)
 412. *Damalinia (Cervicola) forficula* (Piaget, 1880)
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Images:



Goniodes dissimilis Denny, 1842
(Male)



Goniodes dissimilis Denny, 1842
(Female)

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