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A Check-list of Aphidoidea of India

**Basant K. Agarwala
A. K. Ghosh**

**Issued by the Director
Zoological Survey of India, Calcutta**

**RECORDS
OF THE
ZOOLOGICAL SURVEY OF INDIA**

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A CHECK LIST OF APHIDOIDEA OF INDIA

By

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सत्यमेव जयते

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INTRODUCTION

The history of aphid taxonomy in India dates back to 1893 when E. C. Cotes from Sikkim, North east India and G. B. Buckton from some parts of North west India reported a few aphid species. Since then, till now (March 1982) no less than 370 papers have appeared on studies, mostly taxonomic, related to aphids in India. These papers reported more than 700 species of aphids belonging to subfamilies Anoeciinae, Aphidinae, Chaitophorinae, Drepanosiphinae, Greenideinae, Hormaphidinae, Lachninae, Traminae and Pemphiginae under the family Aphididae. Besides five species have also been reported under family Adelgidae (Ghosh, A. K. 1974 c).

Behura (1963 and 1965) first published list of aphid species known till then. But his work was more of a compilation-nature, as no effort was made to determine status of wrongly identified species or doubtful records. Ghosh, A. K. (1974 and 1977) presented a list of Aphids of India and adjacent countries, known till 1974. This work provided useful records of aphids based on taxonomic studies carried out by the author and other aphidologists like S. K. David, D. N. Raychaudhuri, and A. N. Basu. Nonetheless, these works covered a variety of opinions as to the taxonomic status of many a aphid species and genera, difference of opinions also existed as regards the use of subfamily names.

In view of the prevailing situation, as discussed above, it was a long felt need to undertake a work of this kind so as to provide the aphidologists in India, an up-to-date status report on taxonomy of this important group of homopteran insects.

This work as such, aims at rectifying many of the taxonomic anomalies persisted for long in Indian literature and to present an up-to-date record of aphid species and genera (up till March, 1982), their

correct taxonomic status, as far as possible, synonymies, wherever found and incorporate all the available references on aphid studies in Indian region. These references have been placed in numerical order and corresponding numbers appear against each of the aphid species, so as to help the users of this checklist to search the particular reference against any aphid species. Some of the aphid species wrongly reported for another valid species have also been included in this list and such names have been marked with* at the end of their names.

Some of the doubtfully identified and also incompletely identified aphid species were not available for their re-examination. As such, such names have been included in the check list without any change.

In spite of all the efforts made by the authors, this presentation can not be entirely without any omission and errors. A few errors located in the late stage of its preparation has already been included under the *Errata* at the end of this list. However, it is expected that this check list of Indian Aphidoidea will help in the aphidological studies in the country which is being pursued in a number of academic and research Institutes.

Family : APHIDIDAE

Subfamily : ANOECIINAE

1. *Aiceona pallida* Ghosh, A. K. & Raychaudhuri, 1973 (156, 187, 218, 301)
2. *A. paraosugii* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1971 (41, 171, 218, 273, 299, 301)
3. *A. pseudosugii* David, Sekhon & Bindra, 1970 (60, 133, 218, 299, 301)
= *A. longisetosa* Ghosh, M. R. & Raychaudhuri, 1973.
4. *A. retipennis* David, Rajasingh & Narayanan, 1970 (218, 299, 301)
5. *A. robustiseta* Ghosh, M. R. & Raychaudhuri, 1973 (41, 218, 299, 401)
6. *A. titabarensis* (Raychaudhuri & Ghosh, A. K., 1964)
(28, 31, 32, 41, 172, 174, 218, 286, 299, 301, 313)
= *A. litseae* Basu, A. N. & Hille Ris Lambers, 1968
= *Lachnus* sp. B
= *L. titabarensis* Raychaudhuri & Ghosh, 1964
= *Maculolachnus titabarensis* (Raychaudhuri & Ghosh, 1964)
7. *Anoceia corni* (Fabricius, 1775) (16, 74)
- 7a. *A. furcata* (Theobald, 1915) (82a)
8. *A. himalayensis* Chakrabarti & Maity, 1978 (82)

- 8a. *A. neomoralis* Börner, 1950 (82a)
9. *A. radiciphaga* Pal & Raychaudhuri, 1977 (273, 274, 301)
10. *A. vagans* (Koch, 1856) (273, 274, 301)
11. *Subaiceona manipurensis* Singh & Raychaudhuri, 1975 (339)

Subfamily : APHIDINAE

12. *Acutosiphon obliquoris* Basu, R. C., Ghosh, A. K. & Raychaudhuri, 1970 (30, 41, 79, 86, 203, 212, 215, 225, 299, 301)
13. *Acyrtosiphon gossypii* Mordvilko, 1914 (44, 104, 367)
 = *A. sebaniae* David 1956
 = *Macrosiphum* (*A.*) *gossypii* Mordvilko, 1914
14. *A. ignotum* Mordvilko, 1914 (85, 168)
 = *A. (Metopolophium) spirae* Ghosh, A. K., Chakrabarti, Chowdhuri & Raychaudhuri, 1969
 = *A. (M.) spirae canescentis* Chakrabarti & Raychaudhuri, 1974
15. *A. kondoi* Shinji, 1938 (117)
16. *A. moltshanovi* Mordvilko, 1914 (54, 60)
17. *A. phaseoli* Chakrabarti, Ghosh, A. K. & Raychaudhuri, 1971 (54, 78)
18. *A. pisum* (Harris, 1776) (4, 5, 9, 10, 27, 44, 45, 54, 61, 106, 111, 113, 158, 193, 227, 232, 294, 299, 301, 317, 352, 364)
 = *Macrosiphum pisi* (Kaltenbach, 1843)
19. *Akkaia bengalensis* Basu, A. N. 1968 (24, 32, 115, 212, 216, 299, 301, 314)
20. *A. neopolygona* Ghosh, M. R., Ghosh, A. K. & Raychudhuri, 1971 (160, 162, 212, 214, 299, 301)
21. *A. sikkimensis* Agarwala & Raychaudhuri, 1978 (6)
22. *Amphicercidus indicus* Hille Ris Lambers & Basu, A. N. 1966 (226, 301)
23. *A. tuberculatus* David, Narayanan & Rajasingh, 1971 (50, 123, 132, 324)
24. *Amphorophora ampullata* Buckton, 1876 (151, 198, 356)
25. *A. ampullata bengalensis* Hille Ris Lambers & Basu, A. N. 1966 (33, 41, 54, 60, 151, 160, 165, 169, 202, 215, 226, 299, 301, 315)
 = *A. ampullata* Buckton 1876*
26. *Anaulacorthum fagopyri* Ghosh, A. K. & Raychaudhuri, 1972 (187, 301)

= *Aulacorthum* (*Anaulacorthum*) *fagopyri* Ghosh & Raychaudhuri, 1972.

27. *Aphidura bharatia* David, Sekhon & Bindra, 1970 (133)
28. *Aphis achyranthi* Theobald, 1929 (44, 53, 54, 59, 80, 108)
29. *A. affinis* del Guercio, 1911 (50, 117)
30. *A. asclepiadis* Fitch, 1851 (44, 45, 327)
31. *A. astragali* Ossiannilsson, 1959 (324)
32. *A. clematidis simlaensis* Kumar & Burkhardt, 1970 (41, 243)
33. *A. craccivora* Koch, 1854 (2, 5, 8, 9, 17, 19, 27, 29, 43, 44, 45, 54, 92, 94, 106, 108, 110, 134, 135, 139, 142, 144, 146, 158, 173, 178, 179, 193, 197, 208, 216, 220, 227, 228, 230, 232, 233, 238, 248, 252, 253, 268, 277, 286, 289, 290, 294, 299, 301, 309, 310, 311, 312, 314, 326, 327, 328, 342, 352, 355, 368)
 - = *A. medicaginis* Koch, 1854
 - = *A. rumicis* L., 1758*
 - = *A. laburni* Kaltenbach, 1821*
 - = *A. cynarae* Theobald, 1915.
34. *A. citricola* Van der Goot, 1912 (2, 4, 9, 10, 16, 20, 21, 22, 44, 45, 53, 54, 86, 95, 105, 108, 110, 127, 135, 142, 158, 167, 172, 180, 193, 231, 232, 268, 289, 294, 299, 301, 309, 310, 314, 315, 345, 350)
 - = *A. bidentis* Theobald, 1929 (44, 105, 231)
 - = *A. malvoides* Das, 1918 (22, 44, 45, 110, 111, 142, 294)
 - = *A. pomi* de Geer, 1773 (232)*
 - = *A. spiraecola* Patch, 1914
 - = *Acyrtosiphon citricola* (van der Goot, 1912)
35. *A. eugeniae* van der Goot, 1917 (122)
36. *A. euphorbiae* Kaltenbach, 1843 (75)
37. *A. fabae* Scopoli, 1763, Complex or Group (2, 4, 9, 10, 26, 31, 33, 44, 53, 54, 75, 97, 108, 111, 142, 165, 166, 193, 198, 215, 228, 294, 299, 301, 315)
 - = *A. euonymi* Fabricius, 1775
 - = *A. fabae Solanella* Theobald, 1914*
 - = *A. solanella* Theobald, 1914
38. *A. farinosa* Gmelin, 1740 (359)
39. *A. glycines* Matsumura, 1917 (299, 301)
40. *A. gossypii* Glover, 1877, Complex or Group (2, 4, 5, 7, 8, 9, 11, 17, 27, 41, 44, 45, 53, 54, 80, 92, 93, 106, 108, 110, 134, 135, 140, 142, 146, 158, 166, 174, 176, 178, 179, 180, 197, 208, 219, 220, 221, 227, 228, 230, 231,

- 232, 238, 248, 252, 253, 259, 268, 283, 289, 294, 299,
301, 309, 310, 312, 314, 315, 324, 326, 327, 329, 342,
352, 355)
= *A. ficus* Theobald, 1918
= *A. fraugulae* Kaltenbach, 1845*
= *A. gossypii frangulae* Group
= *A. malvacearum* Das, 1918
= *A. malvae* Koch, 1854*
= *A. malvoides* Das, 1918
= *A. tridacis* Theobald, 1918
41. *A. hederæ* Kaltenbach, 1843 (324)
42. *A. kurosowai* Takahashi, 1921 (10, 26, 50, 86, 115, 127, 161,
203, 254, 261, 286, 294, 299, 301, 315, 324)
43. *A. leptorhyncha* David, Sekhon & Bindra, 1970 (60, 133, 328)
44. *A. longisetosa* Basu, A. N. 1969 (2, 5, 21, 26, 31, 32, 79, 86,
216, 253, 261, 299, 301, 314, 315)
= *A. ruborum* (Borner, 1932)*
= *A. ruborum longisetosus* Basu, A. N. 1969
45. *A. nasturtii* Kaltenbach, 1843 (30, 41, 44, 56, 75, 86, 96, 161,
162, 165, 168, 254, 261, 293, 294, 299, 301)
46. *A. nerii* Boyer de Fonscolombe, 1841 (5, 17, 33, 44, 45, 47, 72,
86, 93, 108, 134, 135, 146, 173, 180, 197, 230, 239,
248, 258, 259, 261, 267, 294, 299, 301, 327, 352, 364)
= *A. asclepidis* Fitch, 1851*
= *Myzus nerii* Boyer nec. Behura, 1963
47. *A. paraverbasci* Chakrabarti (66)
48. *A. polygonaceae* Matsumura, 1917 (54, 96, 299, 301)
49. *A. pomi* de Geer, 1773 (44, 54, 221, 324, 328)
50. *A. punicae* Passerini 1863 (27, 44, 53, 54, 97, 108, 165, 299,
301, 355)
= *A. durantii* Das, 1918
51. *A. raji* (Kumar & Burkhardt, 1970) (243)
= *Longirostris raji* Kumar & Burkhardt, 1970
= *Longirostina raji* Kumar & Burkhardt, 1971
= *L. (Longirostris) raji* Kumar & Burkhardt, 1971
52. *A. rhamniphila* David, Narayan & Rajasingh, 1971 (125, 254)
53. *A. rhoicola* Hille Ris Lambers, 1956 (294)
54. *A. rubifolii* (Thomas, 1879) (75)
55. *A. rumicis* L., 1758 (252, 326, 352)
56. *A. umbrella* (Borner, 1950) (44, 45, 108, 146, 294)
= *A. malvae* Koch, 1854

57. *A. verbasci* Schrank, 1801 (2, 54, 59, 75, 95, 96, 254, 315)
58. *A. verbenae* Macchaiti, 1884, (59)
59. *A. (Protaphis) carthami* (Das, 1918) (108, 352)
60. *Aspidophorodon harvensis*) Verma, 1966 (315, 356, 358)
61. *Aulacorthum dasi* Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1970 (161, 165, 299, 301)
62. *A. delphinae* Das, Raychaudhuri, D. & Raychaudhuri, 1981 (101)
63. *A. magnoliae* (Essig & Kuwana, 1918) (4, 10, 26, 33, 41, 172, 216, 299, 301, 314)
64. *A. nipponicum* (Essig & Kuwana, 1918) (26, 31, 32, 299, 301)
65. *A. rhamni* Ghosh, M. R., Ghosh, A. K. & Raychaudhuri, 1971 (33, 161, 214, 299, 261)
66. *A. scirpi* van der Goot, 1917 (122, 188, 299, 301)
67. *A. sclerodorsi* (Kumar & Burkhardt, 1971) (244)
= *Acyrtosiphon (Aulacorthum) sclerodorsi* Kumar & Burkhardt, 1971
68. *A. sensoriatum* (David, Narayanan & Rajasingh, 1971) (123)
= *Acyrtosiphon (Aulacorthum) sensoriatum* David, Narayanan & Rajasingh, 1971
69. *A. solani* (Kaltenbach, 1843) (26, 44, 54, 80, 97, 110, 111, 127, 161, 165, 186, 286, 299, 301, 314, 315)
= *Acyrtosiphon (Aulacorthum) solani* Kaltenbach, 1971
70. *A. spinacaudatum* (Kumar & Burkhardt, 1971) (244)
= *Acyrtosiphon (Aulacorthum) spinacaudatum* Kumar & Burkhardt, 1971
71. *A. symplacosis* van der Goot, 1917 (185)
72. *A. (Neomyzus) circumflexus* (Buckton, 1876)
(5, 21, 31, 44, 45, 158, 174, 180, 294, 299, 314, 315)
= *Neomyzus circumflexus* (Buckton, 1876)
73. *A. (N.) dendrobii* Basu, A. N. 1969 (25, 299, 301)
= *Neomyzus circumflexus* (Basu, 1969)
74. *A. (N.) primulum* Ghosh, A. K., Banerjee & Raychaudhuri, 1971 (32, 161, 299, 301)
= *Neomyzus circumflexus* (Ghosh, Banerjee & Raychaudhuri, 1971)
75. *A. (N.) dicentrae* Basu, A. N., 1968 (24, 301)
= *Neomyzus (Paraneomyzus) dicentrae* (Basu, 1968)
76. *Brachycaudus helichrysi* (Kaltenbach, 1843) (4, 8, 9, 10, 16, 27, 41, 44, 45, 86, 97, 98, 109, 119, 146, 158, 172, 180, 197, 198, 215, 219, 231, 240, 251, 253, 259, 294, 299, 309, 310, 314, 315, 328)

- = *Anuraphis helichrysi* Kaltenbach, 1843
 = *A. helichrysi* var. *warei* Theobald, 1923*
 = *A. padi* (L., 1758)*
 = *Brachycaudus (Anuraphis) helichrysi* (Kaltenbach, 1843)
77. *B. (Acaudus) cardui* (L., 1758) (5, 252, 342, 359)
Aphis cardui L., 1758
78. *B. (Mordvilkomemor) pilosus* (Mordvilko, 1929) (60)
79. *B. (Thuleaphis) amygdalinus* (Schouteden, 1905) (80)
 = *Thuleaphis amygdalinus* Schouteden, 1905
80. *B. (T.) rumexicolens* (Patch, 1917) (54, 75, 203)
 = *Thuleaphis rumexicolens* Patch, 1917
81. *Brachymyzus jasmini* Basu, A. N. 1964 (23, 41, 216, 260, 299, 301)
82. *Brachysiphoniella montana* (van der Goot, 1917) (26, 44, 45, 109, 197, 231, 294, 327, 356)
 = *B. graminis* (Takahashi, 1920)
 = *Melanaphis vandergooti* Raychaudhuri & Banerjee, 1974.
 = *Semiaphis (Brachysiphoniella) montana* (van der Goot, 1917)
83. *Brachyunguis calotropicus* Menon & Pawar, 1958 (44, 248, 249, 312, 355)
84. *B. harmalae* Das, 1918 (44, 359)
85. *B. letsoniae* Das, 1918 (44)
86. *Brevicoryne barbareae* Nevsky, 1929 (54, 119)
87. *B. brassicae* (L., 1758) (2, 5, 9, 16, 41, 43, 44, 45, 54, 110, 117, 168, 227, 252, 254, 294, 299, 301, 352)
 = *Aphis brassicae* L., 1758
88. *Capitophorus archangelskii* Nevsky, 1928 (78, 294)
89. *C. carduinus* (Walker, 1854) (31, 40, 165, 299, 301)
90. *C. elaeagni* (del Guercio, 1894) (32, 40, 44, 50, 107, 161, 299, 301, 324)
 = *C. cirsiiphagus* (Takahashi, 1961)*
91. *C. formosartemisiae* (Takahashi, 1921) (21, 45, 61, 80, 86, 169, 215, 253, 294, 299, 301)
 = *C. archangelskii* Nevsky, 1928*
92. *C. himachali* Chakrabarti & Maity, 1980 (83)
93. *C. himalayensis* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1971 (40, 171, 299, 301)
94. *C. hippophaes* (Walker, 1852) (15)
95. *C. hippophaes javanicus* Hille Ris Lambers, 1953 (10, 31, 33, 40, 45, 75, 162, 294, 299, 301, 315)
 = *C. hippophaes* (Walker, 1852)

96. *C. hippophaes mitegoni* Eastop, 1956 (32, 40, 117, 161, 286, 299, 301)
= *C. hippophaes* (Walker, 1852)*
97. *C. indicus* Ghosh, A. K. & Raychaudhuri, 1968 (5, 40, 182, 186, 215, 286, 299, 301)
= *C. hippophaes indica* Ghosh & Raychaudhuri, 1968
= *C. hippophaes mitegoni* Eastop, 1956
98. *C. meghalayensis* Basu, R. C & Raychaudhuri, 1976 (30, 40, 41, 301)
= *C. archangelskii* Nevsky, 1928*
99. *C. polygoni* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1971 (30, 40, 171, 299, 301)
100. *C. tricholepidis* Chakrabarti, 1976 (67)
101. *C. aegopodi* (Scopoli, 1763) (32, 80, 86, 299, 301, 315, 356)
102. *C. araliae* Takahashi, 1921 (33, 72, 215, 299, 301)
103. *C. biswasi* Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1969 (164, 299, 301)
104. *C. konoii* Takahashi, 1939 (50)
105. *C. nigra* Basu, A. N., 1964 (23, 72, 254, 299, 301)
106. *C. salicicola* (Matsumura, 1917) (32, 33, 98, 170, 254, 286, 299, 301)
107. *C. simlaensis* Chowdhuri, Basu, R. C. & Raychaudhuri, 1969 (97)
108. *C. (Cavariellia) aquatica* (Gillette & Bragg, 1916) (41, 54, 119)
109. *Chaetomyzus rhododendri* Ghosh, A. K. & Raychaudhuri, 1962 (45, 54, 74, 178, 179, 299, 301)
110. *Chaetosiphon chaetosiphon* (Nevsky, 1928) (130)
111. *C. gracilicorne* David, Rajasingh & Narayanan, 1971 (5, 54, 315)
112. *C. indicum* Chakrabarti & Ghosh A. K. 1970 (68, 73, 75)
113. *C. (Pentatrichopus) fragaefolii* (Cockerell, 1901) (16, 41, 97, 130)
114. *C. (P.) glabrum* David, Rajasingh & Narayanan, 1971 (50, 130)
- 114a. *C. (P.) heterotrichum* Chakrabarti, Ghosh, A. K. & Raychaudhuri, 1971 (75, 78)
115. *C. (P.) tetrahodum* (Walker, 1849) (73, 80, 109, 130, 254, 364)
- 115a. *Coloradoa artemisicola* Takahashi, 1965 (4)
116. *C. indica* Verma, 1974 (324, 365)
117. *C. rufomaculata* (Wilson, 1908) (2, 17, 27, 31, 32, 299, 301, 315, 364)
= *C. artemisiae* (del Guercio, 1913)*

118. *Cryptaphis rostrata* Chakrabarti & Raychaudhuri, 1974 (72, 81)
 119. *Cryptomyzus taoi* Hille Ris Lambers, 1963 (242, 299, 301)
 120. *C. taoi indica* Ghosh, A. K. & Raychaudhuri 1972 (188, 299, 301)
 = *C. taoi* Hille Ris Lambers, 1963*
 121. *Cryptosiphum artemisiae* Buckton, 1879 (26, 127, 216, 299, 301)
 122. *Dysaphis atina* Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1969 (50, 164)
 123. *D. emicis* (Mimeur, 1935) (122, 148, 192)
 124. *D. foeniculus* (Theobald, 1923) (80, 203)
 125. *D. hirsutissima* (Borner, 1940) (294)
 = *Macrosiphoniella hirsutissima* Borner, 1940
 126. *D. longipilosa* (Mordvilko, 1928) (122)
 127. *D. microsiphon* (Nevsky, 1929) (86)
 128. *D. montemartinii ghanii* Stroyan, 1963 (16, 41, 54, 163)
 = *D. ghanii* Stroyan, 1963
 129. *D. multisetosa* Basu, A. N. 1969 (25, 219, 301)
 130. *D. rumecicola* (Hori, 1927) (50)
 131. *D. (Pomaphis) pyri* (Boyer de Fonscolombe, 1841) (152, 301)
 132. *Eoessigia indica* David, Rajasingh & Narayanan, 1972 (132)
 133. *Eomyzus levipes* Basu, R. C. & Raychaudhuri, 1974 (37, 301)
 134. *Ephedraphis ephedrae* (Nevsky, 1929) (359)
 135. *Eumyzus darjeelingensis* Basu, R. C. & Raychaudhuri, 1974 (37, 301)
 136. *Hayhurstia atriplicis* (Linnaeus, 1761) (26, 31, 41, 44, 54, 60, 75, 109, 294, 301, 352)
 = *Hyalopterus atriplicis* (Linnaeus, 1761)
 = *H. carii* Theobald, 1929*
 = *Siphocoryne coriandri* Das, 1918
 137. *Hillerislambersia darjeelingi* Basu, A. N., 1968 (24, 299, 301)
 138. *Himalayaphis anemones* Ghosh, A. K. & Verma, 1973 (191)
 139. *Hyadaphis coriandri* (Das, 1918) (27, 44, 54, 74, 105, 109, 165, 193, 197, 231, 294, 299, 301, 355)
 = *Brevicoryne coriandri* Das, 1918
 = *Hyalopterus carii* Theobald, 1929*
 140. *H. foeniculi* (Passerini, 1860) (122)
 141. *Hyalomyzus raoi* Hille Ris Lambers, 1973 (32, 80, 161, 171, 225, 294, 299, 301)
 = *Neohyalomyzus raoi* (Hille Ris Lambers, 1973)
 = *Hyalomyzus* sp.

142. *H. scabripes* David & Narayanan, 1968 (121)
143. *Hyalopterus pruni* (Geoffroy, 1762) (5, 26, 44, 61, 108, 124, 158, 167, 197, 198, 231, 232, 286, 299, 301, 309, 310)
H. arundinarinis (Fabricius, 1775)
144. *Hydronephthys colocasiae* Raychaudhuri, Raha & Raychaudhuri, D. 1977 (320, 340)
145. *Hyperomyzus carduellinus* (Theobald, 1915) (2, 22, 44, 45, 61, 75, 86, 109, 162, 216, 294, 299, 301, 315)
 = *H. oleraceae* van der Goot, 1917
146. *H. lactucae* (Linnaeus, 1758) (41, 44, 60, 97, 168, 315, 364)
 = *Nasonovia (Hyperomyzus) lactucae* (Linnaeus, 1758)
 = ? *Rhopalosiphum lactucae* (Kaltenbach, ?)
147. *Hysteroneura setariae* (Thomas, 1878) (2, 8, 41, 49, 75, 127, 128, 158, 169, 197, 209, 215, 219, 261, 286, 290, 293, 294, 299, 301, 314, 315)
148. *Impatientinum asiaticum dalhousiensis* Verma, 1969 (50, 54, 72, 74, 75, 80, 116, 315, 359)
 = *I. impatiens dalhousiensis* Verma, 1969
 = *Macrosiphum smilaceti dalhousiensis* Verma, 1969
 = *M. smilacicola* Takahashi, 1924*
149. *I. impatiens* (Shinji, 1922) (41, 54, 86, 95, 96, 170, 180, 186, 299, 301)
150. *I. (Neoimpatinentinum) smilaceti* Agarwala, Mondal & Raychaudhuri, 1982 (3)
151. *Indiaphis crassicornis* Basu, A. N. 1969 (25, 80, 299, 301)
152. *I. rostrata* Ghosh, A. K. & Raychaudhuri, 1972 (187, 299, 301)
153. *Indiaphis setosa* (Hille Ris Lambers & Basu, A. N. 1966) (183, 226, 301)
 = *Ericolophium (Neoacyrthosiphon) setosum* Hille Ris Lambers & Basu, 1966
 = *Neoacyrthosiphon setosum* (Hille Ris Lambers & Basu, 1966)
154. *Indoidioptera geranii* (Chowdhuri, Basu, R. C., Chakrabarti & Raychaudhuri, 1969) (54, 80, 86, 95, 96, 253)
 = *Capitophorus geranii* Chowdhuri, Basu, Chakrabarti & Raychaudhuri, 1969
155. *Indomasonaphis indica* Verma, 1972 (54, 363)
156. *Indomegoura indica* (van der Goot, 1916) (44, 220)
 = *Rhopalosiphum indicum* van der Goot, 1916
157. *Indomyzus sensoriatatus* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1971 (171, 299, 301)

158. *Ipuka dispersum* (van der Goot, 1917) (44, 107)
= *Aulacorthum* (*Neomyzus*) *dispersum* van der Goot, 1917
159. *Jacksonia campanulata* Chakrabarti & Raychaudhuri, 1978 (89)
160. *J. papillata* Theobald, 1923 (203)
161. *J. sikkimensis* Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1977
(180, 213, 301)
= *J. conandri* (Takahashi, 1961)*
162. *Kakimia jammuensis* (Verma, 1970)
= *Nasonovia* (*Kakimia*) *jammuensis* Verma, 1970 (118, 356, 362)
163. *Kaochiaoja arthraxonis* (Takahashi, 1921) (26)
= *Aulacorthum* (*Neomyzus*) *arthraxonis* Takahashi, 1921
164. *Liosomaphis atra* Hille Ris Lambers, 1966 (50, 54, 60, 75, 86, 115, 210, 253, 315)
165. *L. berberidis* (Kaltenbach, 1843) (44, 110, 301, 356)
166. *L. himalayensis* Basu, A. N., 1964 (5, 23, 32, 41, 53, 54, 79, 80, 86, 98, 147, 253, 299, 301, 315)
= *L. ? himalayensis* Basu, A. N. 1964.
167. *Lipaphis erysimi* (Kaltenbach, 1883) (1, 2, 5, 9, 11, 15, 17, 27, 30, 41, 44, 45, 86, 93, 97, 109, 134, 142, 146, 158, 166, 167, 173, 176, 193, 197, 198, 209, 228, 230, 236, 238, 248, 259, 268, 278, 279, 286, 294, 299, 301, 312, 314, 315, 326, 327, 328, 335, 336, 352, 355, 366)
= *L. pseudobrassicae* (Davis, 1914)
= *Rhopalosiphumpseudobrassicae* Davis, 1914
= *Siphocoryne indobrassicae* Das, 1918
= *S. pseudobrassicae* Davis, 1914
168. *Longicaudus himalayensis* Hille Ris Lambers, 1965 (115, 130)
169. *Macromyzus indicus* David & Narayanan, 1968 (121)
170. *M. manoji* Raha & Raychaudhuri, 1978 (41, 169, 215, 284)
= *M. woodwordiae* (Takahashi, 1921)*
171. *M. polypodicola* (Takahashi, 1921) (31, 151, 169, 301)
= *Macromyzella polypodicola* (Takahashi, 1921)
172. *M. woodwordiae* (Takahashi, 1921) (151, 169, 172, 253, 286, 301)
= *M. ? woodwordiae* (Takahashi, 1921)
173. *M. (Anthracosiphoniella) maculatum* (Basu, A. N. 1969) (25, 33, 151, 216, 301)
174. *Macrosiphoniella alatafica* (Nevsky, 1928) (324, 359, 363)
= *M. lambersi* Verma, 1971
175. *M. eastopi* Kulkarni, 1980 (236)

176. *M. formosartemisiae* Takahashi, 1921 (39, 61, 198, 299, 301)
177. *M. grandicauda* Takahashi & Moritsu, 1963 (5, 39, 160, 162, 301)
= *M. oblonga* (Mordvilko, 1901)*
178. *M. hikosanensis* Moritsu, 1949 (59)
179. *M. kalimpongensis* Basu, R. C. & Raychaudhuri, 1976 (39, 301, 315)
180. *M. kikungshana* Takahashi, 1937 (26, 122, 253)
181. *M. hikosanensis matsumurana* Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1973 (39, 165, 299, 301)
= *M. matsumurana* Ghosh, Basu & Raychaudhuri, 1973.
182. *M. pseudoartemisiae* Shinji, 1933 (5, 16, 32, 39, 41, 53, 54, 86, 129, 135, 216, 253, 294, 299, 301, 310, 314, 366)
183. *M. sanborni* (Gillette, 1908) (2, 4, 5, 8, 17, 27, 39, 43, 45, 53, 54, 109, 127, 135, 146, 173, 180, 193, 197, 203, 220, 232, 242, 253, 269, 290, 294, 299, 301, 309, 312, 327, 330, 333, 364)
= *Macrosiphum sanborni* Gillette, 1908
184. *M. sikkimartemisiae* Agarwala & Raychaudhuri, 1978 (6)
185. *M. spinipes* Basu, A. N. 1968 (5, 24, 39, 127, 164, 215, 286, 301)
= *Macrosiphum spinipes* (Basu, A. N. 1968)
186. *M. spinipes rhododendri* Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1969 (164)
= *M. spinipes* Basu, A. N. 1968*
187. *M. sudhakarisi* Banerjee, Ghosh. A. K. & Raychaudhuri, 1969 (16)
188. *M. yomogifoliae* (Shinji, 1924) (4, 5, 31, 33, 39, 44, 54, 95, 96, 109, 129, 212, 232, 253, 271, 294, 299, 301, 315)
= *M. artemisiae yomogifoliae* Shinji, 1924
189. *Macrosiphum aulacorthoides* David, Narayanan & Rajasingh, 1971 (32, 116, 123, 162, 299, 301)
190. *M. centranthi* Theobald, 1915 (44, 73, 106, 109, 116)
= *M. euphorbiae* (Thomas, 1878)*
= *M. hellebori* Theobald & Walton, 1923*
191. *M. euphorbiae* (Thomas, 1878) (54, 111, 242)
192. *M. microspinolosum* David, Rajasingh & Narayanan, 1972 (116, 132, 301)
= *M. (Neomacrosiphum) microspinolosum* David, Rajasingh & Narayanan, 1972
193. *M. pachysiphon* Hille Ris Lambers, 1966 (5, 54, 73, 75, 95, 96, 115, 116, 186, 216, 246, 299, 301, 315)

194. *M. pseudogeranii* Chakrabarti & Raychaudhuri, 1974 (74, 95, 96, 116, 253, 315)
 = *M. geranii* Chowdhuri, Basu, R. C., Chakrabarti & Raychaudhuri, 1969
 = *M. (Neomacrosiphum) pseudogeranii* Chakrabarti & Raychaudhuri, 1974
195. *M. rosae* (Linnaeus, 1758) (1, 2, 5, 8, 9, 12, 27, 44, 54, 73, 86, 109, 116, 127, 216, 242, 252, 254, 299, 301, 315)
 = *Siphonophora rosae* (Linnaeus, 1758)
196. *M. (Sitobion) akebiae* Shinji, 1935 & 1941 (171, 301)
 = *M. (S.) avenae akebiae* Shinji, 1935 and 1941
197. *M. (S.) alopecuri* Takahashi, 1921 (116)
198. *M. (S.) avenae* (Fabricius, 1775) (134, 145, 146, 252, 292, 352)
 = *M. geranium* (Kirby, 1798)
 = *Rhopalosiphum avenae* (Fabricius, 1775)
 = *Siphocoryne avenae* Fabricius, 1775
 = *Siphocroyne avenae* Fabricius, 1775
199. *M. (S.) fagopyri* Ghosh, A. K. & Raychaudhuri, 1972 (116, 188, 301)
 = *M. fagopyri* Ghosh & Raychaudhuri, 1972
200. *M. (S.) graminis* Takahashi, 1950 (44, 106, 109, 116)
201. *M. (S.) gravelii* van der Goot, 1917 (41, 44, 116, 160, 162, 214, 220)
 = *M. (S.) spinotibium* Ghosh, M. R., Ghosh, A. K. & Raychaudhuri, 1971
202. *M. (S.) indicum* (Basu, A. N. 1964) (23, 26, 31, 116, 165, 180, 214, 246, 299, 301, 314, 315)
 = *M. (S.) luteum* (Buckton, 1876)
 = *Sitobion indicum* Basu, A. N. 1964
 = *S. luteum* (Buckton, 1876)
203. *M. (S.) lambersi* David, 1956 (44, 104, 106, 116, 187, 301)
 = *Sitobion lambersi* David, 1956
204. *M. (S.) leelamaniae* David, 1958 (45, 113, 116)
205. *M. (S.) mimosae* Ghosh, A. K., Basu, R. C. & Raychaudhuri 1977 (188, 218, 301)
 = *M. (S.) phyllanthi* (Takahashi, 1939)*
206. *M. (S.) miscanthi* (Takahashi, 1921) (9, 13, 17, 18, 27, 31, 33, 44, 45, 54, 74, 80, 86, 105, 106, 109, 116, 119, 158, 162, 165, 174, 179, 180, 193, 197, 202, 231, 299, 301, 314, 315, 350)
 = *M. (S.) avenae* (Fabricius, 1775)

- = *M. (S.) avenae eleusinae* Theobald, 1929
 = *M. (S.) africanum* Hille Ris Lambers, 1954*
 = *M. (S.) eleusine* Theobald, 1929
 = *M. (S.) fragariae* (Walker, 1848)
 = *M. (S.) nr. fragariae* (Walker, 1848)
 = *M. (S.) avenae miscanthi* (Takahashi, 1921)
207. *M. (S.) plactranthi* Ghosh, M. R., Ghosh, A. K. & Raychaudhuri, 1971 (33, 116, 214, 299, 301)
208. *M. (S.) pseudoalopecuri* Chakrabarti, 1976 (66)
209. *M. (S.) pseudoluteum* (Ghosh, A.K., 1969) (116, 147, 299, 301)
 = *M. (Neomacrosiphum) psedoluteum* (Ghosh, A. K., 1969)
 = *Sitobion pseudoluteum* Ghosh, 1969
210. *M. (S.) raoi* Kulkarni, 1980 (236)
 = *M. raoi* Kulkarni, 1980
211. *M. (S.) rosaeiformis* Das, 1918 (1, 2, 4, 8, 9, 12, 14, 27, 31, 41, 44, 45, 73, 86, 97, 109, 116, 132, 146, 165, 166, 174, 180, 193, 231, 240, 250, 286, 294, 299, 301, 309, 310, 315, 352, 364)
 = *M. (S.) iberae rosaeiformis* Das, 1918
 = *Sitobion rosaeiformis* Das, 1918
212. *M. (S.) scabripes* (Ghosh, L. K., 1975) (116, 205)
 = *Sitobion scabripes* Ghosh, L. K., 1975
213. *M. (S.) smilacicola sikkimensis* Ghosh, A. K. & Raychaudhuri, 1968 (32, 33, 72, 74, 116, 161, 180, 182, 299, 301, 315)
 = *M. (S.) sikkimensis* Ghosh & Raychaudhuri, 1968
 = *M. smilacicola* (Takahashi, 1924)*
 = *M. (S.) smilocifoliae* Takahashi, 1921*
 = *M. (S.) smilacifoliae ferocis* David, Rajasingh & Narayanan, 1976
214. *M. (S.) takahashii* Eastop, 1959 (22, 44, 45, 109, 116, 171, 188, 301)
 = *M. (S.) phyllanthi* (Takahashi, 1939)
215. *Matsumuraja capitophoroides* Hille Ris Lambers, 1966 (54, 73, 75, 86, 95, 96, 115, 127, 162, 299, 301, 314)
 = *M. rubifoliae* Takahashi, 1931*
216. *M. nuditerga* Hille Ris Lambers, 1965 (187, 299, 301)
217. *M. urticae* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1971 (170, 299, 301)
M. indica Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1971*
218. *Megoura lespedezae* (Essig & Kuwana, 1918) (195, 239, 242)

- = *M. abnormis* Ghosh, L. K. 1970
 = *Sinomegoura lespedezae* (Essig & Kuwana, 1918)
219. *Melanaphis arundinariae* (Takahashi, 1937) (162, 165, 286, 299, 303)
220. *M. bambusae* (Fullaway, 1910) (21, 45, 186, 216, 261, 299, 301, 303)
221. *M. donacis* (Passerini, 1862) (33, 44, 108, 129, 286, 299, 301, 303, 315, 359)
 = *A. donacis* Passerini, 1862
 = *Longiunguis donacis* (Passerini, 1862)
222. *M. meghalayensis bengalensis* Raychaudhuri & Banerjee, 1974 (299, 301, 303)
223. *M. meghalayensis* Raychaudhuri & Banerjee, 1974 (286, 299, 301, 303)
224. *M. pahanensis* (Takahashi, 1950) (122, 303)
225. *M. sacchari* (Zehntner, 1897) (1, 5, 9, 27, 31, 44, 45, 50, 54, 61, 104, 108, 129, 134, 142, 149, 173, 185, 197, 228, 261, 286, 294, 299, 301, 303, 305, 309, 314, 326, 327, 331, 352)
 = *A. sacchari* Zehntner, 1897
 = *Longiunguis indosacchari* David, 1956
 = *L. sacchari* (Zehntner, 1897)
 = *M. (L.) (sacchari)* Zehntner, 1897
 = *M. (L.) indosacchari* (David, 1956)
226. *M. chandrani* (David & Narayanan, 1968) (41, 121, 124)
 = *Acyrtosiphon (M.) chandrani* David & Narayanan, 1968
227. *M. dirhodum* (Walker, 1849) (80, 98, 254)
 = *Acyrtosiphon (M.) dirhodum* (Walker, 1849)
228. *M. euryae* (Takahashi, 1937) (152, 301)
 = *Acyrtosiphon (M.) euryae* (Takahashi, 1937)
229. *M. graminum* Raychaudhuri, Ghosh, L. K. & Das, 1980 (318)
230. *M. longicaudatum* (David & Hameed, 1975) (119)
 = *Acyrtosiphon (M.) longicaudatum* David & Hameed, 1975
231. *M. rubi* (Narzikulov, 1957) (26, 31, 41, 45, 67, 75, 86, 119, 124, 171, 203, 254, 299, 301, 315, 317, 349)
 = *Acyrtosiphon rubi elliptici* Stroyan & Nagaich, 1964
 = *A. (M.) rubi* Narzikulov, 1957
 = *A. rubi* Narzikulov, 1957
 = *A. pelargonii* (Kaltenbach, 1843)*
232. *M. simlaense* (Chakrabarti & Raychaudhuri, 1974) (72, 81, 254)

- = *Acyrtosiphon* (*M.*) *simlaense* Chakrabarti & Raychaudhuri, 1974
233. *M. sonchifoliae* Raychaudhuri, Ghosh, L. K. & Das 1980 (315)
234. *M. (Metoplophium) darjeelingensis* Ghosh, L. K. 1970 (201)
235. *M. (Microlophium) carnosum* (Buckton, 1876) (50, 324, 379)
= *Microlophium evansi* (Theobald, 1923)
M. carnosum (Buckton, 1876)
236. *M. (M.) darjeelingensis* Raychaudhuri, Ghosh, M. R. & Basu, R. C. 1975 (301, 317)
237. *M. (M.) darjeelingensis lacheni* Agarwala, Mondal & Raychaudhuri, 1982 (3)
238. *M. (M.) rubifoliae* Raychaudhuri, Ghosh, M. R. & Basu, R. C., 1975 (31, 32, 162, 170, 216, 299, 301, 317)
= *Acyrtosiphon (Microlophium) rubiformosanum* (Takahashi, 1927)*
= *A. rubiformosanum* (Takahashi, 1927)*
= *Macrosiphum rubiformosanum* Takahashi, 1927*
239. *M. (Neometopolophium) davidi* Raychaudhuri, Ghosh, M. R. & Basu, R. C. 1975 (301, 317)
240. *Micromyzodium dasi* Verma, 1969 (151, 359, 361)
241. *M. filicium* David, 1958 (45, 113, 124, 129, 151, 203, 253, 299, 301, 314)
242. *M. strobilantheri* Ghosh, L. K. 1971 (199, 253, 315)
243. *Micromyzus brachiariae* Ghosh, A. K. 1978 (156)
244. *M. granotiae* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1970 (169, 299, 301)
245. *M. judenkoi* Carver, 1965 (16, 56, 151, 169, 299, 301)
246. *M. kalimpongensis* Basu, A. N. 1968 (24, 41, 165, 283, 260, 299, 301)
247. *M. mawphalangensis* Ghosh, A. K., 1974 (41, 152, 301)
248. *M. niger* van der Goot, 1917 (26, 151, 216, 242, 299, 301)
249. *Myzackaia kuwanis* Ghosh, A. K., Raychaudhuri, 1970 (165, 212, 216, 301)
= *Vesiculaphis kuwanis* Ghosh, Basu, & Raychaudhuri, 1970
250. *M. polygonicola* Basu, A. N. 1969 (25, 301)
251. *M. verbasci* (Chowdhuri, Basu, R. C., Chakrabarti & Raychaudhuri, 1969) (25, 75, 96, 161, 165, 212, 299, 301, 309, 314)
= *M. himalayensis* Basu, A. N. 1969
= *Vesiculaphis verbasci* Chowdhuri, Basu, Chakrabarti & Raychaudhuri 1969

252. *Myzaphis variolosa* David, Rajasingh & Narayanan, 1970 (130)
 253. *M. rosarum* (Kaltenbach, 1843) (2, 73, 75, 130, 253, 315)
 254. *M. turanica* Nevsky, 1929 (130, 148, 192)
 255. *Myzus cerasi* (Fabricius, 1775) (33, 38, 80, 169, 215, 219, 299, 301)
 = *M. tsaengi* Tao 1963*
 256. *M. dycei* Carver, 1961 (38, 162, 165, 169, 180, 253, 286, 299, 301, 315)
 257. *M. filicis* Basu, A. N. 1969 (25, 38, 151, 299, 261)
 258. *M. formosanus* Takahashi, 1923 (25, 38, 41, 79, 86, 152, 299, 301)
 = *M. brevisiphon* Basu, A. N. 1969
 259. *M. indicus* Basu, R. C. & Raychaudhuri, 1976 (38, 299, 301)
 260. *M. kalimpongensis* (Ghosh, M. R., Basu, R. C. & Raychaudhuri, 1976) (212, 301)
 = *Vesiculaphis kalimpongensis* Ghosh, Basu & Raychaudhuri, 1976
 261. *M. lefroyi* Basu, R. C. & Raychaudhuri, 1976 (38, 299, 301)
 262. *M. leptotrichus* David, Rajasingh & Narayanan, 1972 (38, 132, 299, 301)
 263. *M. maculocarpus* Basu, R. C. & Raychaudhuri, 1976 (38, 299, 301)
 264. *M. manoji* Basu, R. C. & Raychaudhuri, 1976 (38, 155, 299, 301)
 265. *M. meghalayensis* Basu, R. C. & Raychaudhuri, 1976 (38, 299, 301)
 266. *M. mumecola* (Matsumura, 1917) (38, 54, 74, 299)
 267. *M. obtusirostris* David, Narayanan & Rajasingh, 1971 (38, 125, 188, 253, 299, 301)
 268. *M. ornatus* Laing, 1932 (5, 26, 38, 41, 44, 45, 54, 59, 75, 86, 95, 96, 107, 111, 129, 135, 151, 158, 162, 178, 179, 180, 253, 294, 299, 314, 315)
 = *M. Sp. nr. ornatus* Laing, 1932
 269. *M. siegesbeckicola* Strand, 1929 (38, 253, 299, 301, 314)
 270. *M. cerasi umefoliae* (Shinji, 1924) (38, 50, 54, 60, 89, 299, 301)
 = *M. umefoliae* (Shinji, 1924)
 271. *M. varians* Davidson, 1912 (296)
 272. *M. (Nectarosiphon) ascalonicus* Doncaster, 1946 (33, 38, 54, 95, 299, 301)
 = *M. Sp. nr. ascalonicus* Doncaster, 1946

273. *M. (N.) persicae* (Sulzer, 1776) (1, 9, 11, 17, 18, 26, 27, 38, 41, 44, 45, 53, 54, 58, 59, 75, 86, 93, 95, 96, 107, 109, 111, 129, 134, 135, 142, 146, 151, 158, 162, 165, 166, 173, 174, 178, 179, 180, 208, 219, 230, 231, 236, 239, 253, 289, 294, 299, 312, 314, 315, 326, 327, 328, 352, 355, 364)
= *M. persicae* (Sulzer, 1776)
274. *M. (Sciomyzus) cymbalariae* Stroyan, 1954 (26, 33, 38, 299, 301)
= *M. (S.) cymbalariellus* Stroyan, 1967
= *M. cymbalariae* Stroyan, 1954
275. *Nasonovia (Neokakimia) rostrata* David & Hameed, 1974 (89, 118)
= *N. (Kakimia) rostrata* David & Hameed, 1974
276. *Neoacyrthosiphon indicum* Ghosh, L.K., Verma & Raychaudhuri, 1976 (211, 294)
277. *N. rhododendri* Ghosh, M.R., Ghosh, A.K. & Raychaudhuri, 1971 (214, 286, 299, 301)
278. *N. taiheisanum ovalifoliae* Ghosh, M. R., Ghosh, A. K. & Raychaudhuri, 1971 (214, 299, 301)
279. *Neomasonaphis anaphalidis* (Basu, A. N., 1964) (23, 41, 72, 79, 84, 160, 189, 299, 301)
= *Masonaphis anaphalidis* Basu, A. N., 1964
= *M. (Neomasonaphis) anaphalidis* Basu, 1964
280. *N. inulae* (Ghosh, A. K. & Raychaudhuri, 1972) (188, 299, 301, 315)
= *Indumasonaphis inulae* (Ghosh, A. K. & Raychaudhuri, 1972)
= *Masonaphis (Neomasonaphis) inulae* Ghosh & Raychaudhuri, 1972
281. *N. rumicis* (Chakrabarti & Raychaudhuri, 1975) (41, 86)
= *Masonaphis (Neomasonaphis) rumicis* Chakrabarti & Raychaudhuri, 1975
282. *Neomegouropsis cajanae* (Ghosh, M. R., Ghosh, A. K. & Raychaudhuri, 1971) (41, 150, 186, 214, 286, 299, 301)
= *Megoura cajanae* Ghosh, M. R., Ghosh, A. K. & Raychaudhuri, 1971
283. *N. dooarsis* (Ghosh, A. K. & Raychaudhuri, 1969) (26, 54, 75, 98, 152, 184, 299, 301)
= *Megoura pallipes* Basu, A. N. 1969

- = *Megouropsis dooarsis* Ghosh, A. K. & Raychaudhuri, 1969
284. *Neorhopalosiphoninus smilacifoliae* Ghosh, A. K. & Raychaudhuri, 1968 (180, 301)
= *Arthromyzus smilacifoliae* (Ghosh, A. K. & Raychaudhuri, 1968)
285. *Oedisiphum soureni* Basu, A. N. 1964 (23, 79, 86, 147, 301)
= *O. indicum* Ghosh, A. K. 1969
286. *Ovatus crataegarius* (Walker, 1850) (80)
= *O. menthae* Walker, 1852, nec. Buckton, 1876*
287. *O. mentharius* (van der Goot, 1913) (356)
288. *O. minutus* (van der Goot, 1917) (188, 299, 301)
289. *Paczoskia budhium* Banerjee, Ghosh, A. K. & Raychaudhuri, 1969 (16, 33, 170, 200, 299, 301)
= *Uroleucon tenuirostris* Ghosh, L. K. 1970
290. *Pentalonia nigronervosa* Coquerel, 1859 (2, 27, 41, 44, 45, 55, 57, 61, 92, 106, 109, 146, 197, 198, 208, 216, 230, 299, 301, 327)
= *P. caladii* van der Goot, 1917
291. *Phorodon humuli* (Schrank, 1801) (324)
292. *P. (Paraphorodon) cannabis*, Passerini, 1860 (2, 5, 33, 44, 54, 98, 101, 129, 254, 286, 301, 342, 364)
= *Diphorodon cannabis* (Passerini, 1860)
= *Phorodon (Diphorodon) cannabis* (Passerini, 1860)
293. *Pilorostris simlaensis* Raychaudhuri, Ghosh, L. K. & Das, 1980 (315)
294. *Pleotrichophorus chrysanthemi* (Theobald, 1920) (154, 301)
295. *P. glandulosus* (Kaltenbach, 1846) (72, 80, 299, 301)
296. *Pterocomma pilosum* Buckton, 1879 (356)
297. *P. populeum* (Kaltenbach, 1843) (15, 44, 220, 256a)
298. *P. populifoliae* (Fitch, 1851) (72, 214, 256a)
299. *Raychaudhuriella myzaphoides* Chakrabarti, 1978 (71)
300. *Rhodobium porosum* (Sanderson, 1900) (26, 44, 45, 73, 80, 109, 165, 268, 293, 294, 299, 301, 314, 317)
= *Acyrtosiphon porosus* (Sanderson, 1900)
= *A. (Rhodobium) porosum* (Sanderson, 1900)
301. *Rhopalosiphoninus ehretis* Bhattacharya & Chakrabarti, 1981 (57a)
302. *R. latysiphon* (Davidson, 1912) (44, 54, 57a, 103, 111, 203, 328)

303. *R. longisetosus* Chakrabarti & Ghosh, A. K. 1974 (41, 57a, 72, 81)
304. *R. sensorius* Chakrabarti, 1978 (57a, 71)
305. *Rhopalosiphum esculentum* Raychaudhuri & Raychaudhuri, D. 1978 (321)
306. *R. maidis* (Fitch, 1856) (1, 4, 5, 8, 9, 10, 17, 27, 44, 45, 53, 54, 86, 95, 96, 102, 106, 108, 134, 135, 142, 146, 158, 166, 193, 197, 216, 220, 228, 230, 233, 252, 257, 259, 261, 268, 286, 289, 293, 294, 299, 314, 326, 327, 341, 352, 355, 364, 369)
 = *Aphis adusta* Zehntner, 1897
 = *A. maidis* Fitch, 1856
 = *Siphonaphis maidis* (Fitch, 1856)
307. *R. nymphaeae* (Linnaeus, 1761) (5, 30, 36, 41, 44, 45, 46, 61, 83, 108, 110, 165, 173, 197, 220, 252, 286, 294, 299, 311, 345, 364)
 = *Siphonaphis nymphaeae* (Linnaeus, 1761)
308. *R. padi* (Linnaeus, 1758) (17, 27, 44, 54, 61, 110, 117, 162, 185, 215, 220, 248, 254, 261, 272, 274, 286, 292, 299, 315, 328)
 = *Siphonaphis padi* van der Goot 1917
309. *R. ruftibdominalis* (Sasaki, 1899) (18, 27, 41, 44, 45, 54, 59, 95, 110, 174, 186, 193, 194, 197, 206, 228, 272, 274, 292, 295, 299, 311, 315, 326, 328, 355)
310. *R. yoksumi* Ghosh, A. K., Banerjee & Raychaudhuri, 1971 (161, 261, 299, 301)
311. *Sappaphis piri* Matsumura, 1918 (54, 242, 328)
312. *Schizaphis graminum* (Rondani, 1847) (26, 33, 44, 54, 108, 110, 146, 173, 193, 286, 352)
 = *Toxoptera graminum* Rondani, 1847
313. *S. hypersiphonata* Basu, A. N., 1969 (26)
314. *S. minuta* (van der Goot, 1917) (124)
315. *S. punjabipyri* (Das, 1918) (44, 193, 219, 294)
 = *Toxoptera punjabipyri* Das, 1918
316. *S. rotundiventris* (Signoret, 1860) (5, 22, 32, 44, 54, 59, 75, 129, 165, 216, 294, 299, 301, 328)
 = *S. cyperi* van der Goot, 1917
 = *S. hypersiphonata* Basu, A. N., 1969*
 = *S. sp. nr. rotundiventris* (Signoret, 1860)
317. *Scleromyzus corylopsis* (Basu, R. C., Ghosh, A. K. & Raychaudhuri, 1973) (32, 301)

- = *Myzus corylopsis* Basu, Ghosh & Raychaudhuri, 1973
318. *Semiaphis heraclei* (Takahashi, 1921) (30, 41, 50, 299, 301)
= *S.* Sp. nr. *heraclei* (Takahashi, 1921)
319. *Senisetotarsaphis jakhuensis* Raychaudhuri, Ghosh, L. K. & Das, 1980 (315)
320. *Shinjia orientalis* (Mordvilko, 1929) (4, 8, 26, 30, 41, 79, 86, 150, 151, 162, 165, 187, 286, 299, 301, 345)
= *S. pteridifoliae* Shinji, 1929
321. *Sinomegoura citricola* (van der Goot, 1917) (5, 20, 127, 162, 180, 242, 299)
= *S. rhododendri* (Takahashi, 1937)*
322. *S. photinae* (Takahashi, 1936) (26, 33, 64, 216, 299, 301, 315)
823. *S. pyri* Ghosh, A. K. & Raychaudhuri, 1968 (5, 182, 299, 301)
324. *S. rhododendri* (Takahashi, 1937) (32, 169, 180, 299, 301)
325. *Subovatomyzus leucosceptri* Basu, A. N. 1964 (10, 23, 150, 165, 216, 299, 301)
= *Capitophorus vernoniae* Ghosh, A. K. & Raychaudhuri, 1968
326. *Toxoptera aurantii* (Boyer de Fonscolombe, 1841) (5, 8, 10, 20, 27, 33, 44, 45, 54, 79, 86, 106, 108, 110, 134, 142, 146, 158, 166, 174, 180, 186, 197, 208, 216, 219, 228, 230, 231, 232, 252, 253, 263, 293, 299, 314, 315)
= *Ceylonia theacola* Buckton, 1891
= *Toxoptera schlingeri* Tao, 1961*
327. *T. citricidus* (Kirkaldy, 1907) (5, 17, 20, 27, 44, 41, 54, 59, 79, 86, 108, 135, 142, 146, 186, 219, 228, 230, 254, 261, 263, 299, 315)
= *Aphis tavresi* del Guercio, 1908
328. *T. odinae* (van der Goot, 1917) (9, 10, 27, 44, 45, 95, 105, 106, 108, 110, 146, 167, 174, 186, 197, 208, 215, 231, 263, 299, 327, 345, 350)
= *Aphis odinae* (van der Goot, 1917)
= *Longicaudus hameliae* Theobald, 1929
329. *Tricaudatus polygoni* (Narzikulov, 1957) (31, 41, 54, 74, 75, 86, 96, 162, 226, 254, 299, 301, 315)
= *T. indicus* Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1969
= *T. polygoni tuberculatus* Hille Ris Lambers & Basu, A. N. 1966

330. *Trichosiphonaphis gerberae* Ghosh, A. K. & Raychaudhuri, 1972
(26, 33, 41, 188, 299, 301)
= *T. polygoniformosanus* (Takahashi, 1921)*
= *T. polygoni* (van der Goot, 1917)*
331. *T. (Xenomyzus) polygoni* (van der Goot, 1917) (79, 86, 150,
169, 162, 186, 193, 299, 301)
= *Metaphorodon polygoni* (van der Goot, 1917)
= *Trichosiphonaphis polygoni* (van der Goot, 1917)
= *Xenomyzus polygoni* (van der Goot, 1917)
332. *T. (X.) scabripes* Basu, R. C., Ghosh, M. R. & Raychaudhuri,
1967 (35, 186, 301)
= *Metaphorodon polygoni* (van der Goot, 1917)*
= *Xenomyzus scabripes* Basu, Ghosh & Raychaudhuri, 1967
333. *T. lonicerae* (Uye, 1923) (33, 299, 301)
334. *Tubaphis ranunculina* (Walker, 1852) (38, 170, 301)
= *Myzus (Tubaphis) ranunculinus* (Walker, 1852)
= *M. ranunculinus* (Walker, 1852)
335. *Tuberoaphis hydrangeae digitata* Hille Ris Lambers & Basu,
A. N. 1966 (170, 226, 299, 301)
= *Matsumuraja indica* Ghosh, A. K., Ghosh, M. R. & Ray-
chaudhuri, 1971
336. *Tuberocephalus sasakii* (Matsumura, 1917) (26, 32, 33, 150,
299, 301)
= *Myzus tsaengi* Tao, 1963*
= *Trichosiphoniella sasakii* (Matsumura, 1917)
337. *Uroleucon achilleae* (Koch, 1855) (324)
338. *U. fagopyri* (Chowdhuri, Basu, R. C., Chakrabarti & Ray-
chaudhuri, 1969) (32, 95, 96, 299, 315)
= *Dactynotus fagopyri* Chowdhuri, Basu, Chakrabarti &
Raychaudhuri, 1969
339. *U. formosanus crepidis* Ghosh, A. K., Ghosh, M. R. & Ray-
chaudhuri, 1971 (171, 214, 299, 301)
= *Dactynotus formosanus crepidis* (Ghosh, Ghosh & Ray-
chaudhuri, 1971)
= *D. Sp. nr. formosanum* Takahashi, 1921
= *Uroleucon formosanum* (Takahashi, 1921)*
340. *U. formosanum* (Takahashi, 1921) (79)
= *D. formosanum* Takahashi, 1921
341. *U. fuscaudatus* Chakrabarti & Raychaudhuri, 1978 (89)
= *D. fuscaudatus* (Chakrabarti & Raychaudhuri, 1978)
342. *U. hypochoeridis* (Fabricius, 1779) (156)

343. *U. kashmiricum* (Verma, 1966) (80, 124, 203, 356, 357)
= *Dactynotus* (*Uroleucon*) *kashmiricus* Verma, 1966
344. *U. kumaoni* Banerjee, Ghosh, A. K. & Raychaudhuri, 1969
(16)
345. *U. longisetosum* Chakrabarti & Verma, 1975 (41, 90, 253)
346. *U. minati* Das, Raychaudhuri D. & Raychaudhuri, 1981 (101)
347. *U. parasonchi* (Raychaudhuri, Raha & Raychaudhuri, D.) 1977
(320)
= *Dactynotus parasonchi* Raychaudhuri, Raha & Raychaudhuri, 1977
348. *U. pseudotanaceti* (Verma, 1969) (5, 165, 198, 202, 216, 299, 340, 359, 361)
= *Dactynotus pseudotanaceti* Verma, 1969
= *Uroleucon tanaceti* (Linnaeus, 1758)*
= *U. Sp. nr. tanaceti* (Linnaeus, 1758)
= *U. tanaceti indica* Ghosh, L. K. 1971
349. *U. simlaense* Chakrabarti, Ghosh, A. K. & Raychaudhuri, 1971
(78)
350. *U. sonchi* (Linnaeus, 1767) (9, 15, 22, 33, 44, 45, 109, 193, 197, 198, 203, 216, 228, 240, 254, 294, 299, 301, 315)
= *Dactynotus sonchi* (Linnaeus, 1767)
= *Macrosiphum sonchi* (Linnaeus, 1767)
351. *U. tanaceti* (Linnaeus, 1758) (294)
= *Dactynotus tanaceti* (Linnaeus, 1758)
352. *U. (Uromelan) carthami* (Hille Ris Lambers, 1948) (44, 106, 314, 354)
= *Dactynotos (Uromelan) carthami* Hille Ris Lambers, 1948
353. *U. (U.) compositae* (Theobald, 1915) (27, 44, 45, 115, 152, 231, 250, 294, 301)
= *Dactynotus (Uromelan) compositae* Theobald, 1915
= *Macrosiphum compositae* Theobald, 1915
= *M. solidaginis* Fabricius, 1779
354. *U. (U.) echinatus* (Kulkarni, 1980) (237)
= *Dactynotus echinatus* Kulkarni, 1980
355. *U. (U.) gobonis* (Matsumura, 1917) (35, 50, 301)
356. *U. (U.) himachali* Ghosh, L. K., 1975 (206)
357. *U. (U.) jaceae* (Linnaeus, 1758) (44, 234, 351, 364, 368)
= *Dactynotus (Uromelan) jaceae* (Linnaeus, 1758)
= *Macrosiphum jaceae* (Linnaeus, 1758)
358. *U. (U.) lambersi* (Ghosh, M. R., Basu, R. C. & Raychaudhuri, 1977) (213, 301)

- = *Dactynotus (Uromelan) lambersi* Ghosh, Basu & Raychaudhuri, 1977
359. *U. (U.) minutum* (van der Goot, 1916) (44, 104, 129)
= *Dactynotus (Uromelan) dravidiana* David, 1956
= *D. (u.) minutus* (van der Goot, 1916)
360. *U. (U.) orientalis* (Kulkarni, 1980) (237)
= *Dactynotus orientalis* Kulkarni, 1980
361. *U. (U.) simile* (Hille Ris Lambers, 1935) (359, 366)
= *Dactynotus (Uromelan) similis* Hille Ris Lambers, 1935
362. *U. (U.) solidaginis* (Fabricius, 1779) (146, 352)
= *Macrosiphum solidaginis* (Fabricius, 1779)
363. *Utamphorophora darjeelingensis* (Ghosh, M. R., Basu, R. C. & Raychaudhuri, 1977) (213, 214)
= *Micromyzus (Utamphorophora) montanus* (Takahashi, 1925)*
= *Taiwanomyzus darjeelingensis* Ghosh, Basu and Raychaudhuri, 1977
364. *U. montana* (Takahashi, 1925) (122)
= *Taiwanomyzus montanus* (Takahashi, 1925)
365. *Vesiculaphis caricis* (Fullaway, 1909) (26, 301)
366. *V. grandis* Basu, A. N., 1964 (23, 301)
367. *V. pieridis*, Basu, A. N. 1964 (23, 33, 72, 80, 86, 212, 294, 299, 301)
368. *V. rhododendri* Ghosh, A. K. & Raychaudhuri, 1972 (188, 212, 299, 301)
369. *V. sikkimensis* Mondal, Agarwala & Raychaudhuri, 1979 (262)
370. *Xenosiphonaphis folisacculata* Kumar & Burkhardt, 1971 (41, 244)
= *Jacksonia folisacculata* (Kumar & Burkhardt, 1971)

Subfamily : CHAITOPHORINAE

371. *Chaitophorus clarus* Tseng & Tao, 1936 (86)
= *C. Sp. nr. clarus* Tseng & Tao, 1936
= *Periphyllus clarus* Tseng & Tao, 1936
372. *C. dorocolus* Matsumura, 1919 (6, 9, 87, 256a, 301)
373. *C. himalayensis* (Das, 1918) (51, 69)
= *Eichochaitophorns himalayensis* Das, 1918
374. *C. indicus* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1970
(69, 87, 101, 169, 256a, 299, 301)
375. *C. kapuri* Hille Ris Lambers, 1966 (59, 69, 223, 242, 256a)
376. *C. manaliensis* Chakrabarti, 1977 (69)

377. *C. salijaponicus niger* Mordvilko, 1929 (69, 359)
C. niger Mordvilko, 1929
378. *C. pakistanikus* Hille Ris Lambers, 1966 (69, 223, 315, 359)
379. *C. populeti* (Panzer, 1801) (69, 256a, 359)
380. *Indiochaitophorus furcatus* Verma (359, 361)
381. *Periphyllus aesculi* Hille Ris Lambers, 1933 (41, 69, 80, 207, 253, 323, 359)
382. *P. bengalensis* Ghosh, A. K. & Raychaudhuri, 1972 (69, 87, 187, 299, 301)
383. *P. californiensis* (Shinji, 1917) (69, 87, 299, 301)
384. *P. himalayensis* Chakrabarti, 1977 (69)
385. *P. pusillus* Quednau & Chakrabarti (69, 79, 86, 254, 281)
 = *P. clarus* Tseng & Tao, 1936*
386. *P. testudinaceus* (Ferne, 1852) (87, 124, 301)
387. *P. vandenboschi* Hille Ris Lambers, 1966 (50, 79, 86)
388. *P. villosii* Chakrabarti, 1977 (41, 69)
389. *P. viridis* (Matsumura, 1919) (69, 86)
 = *Chaitophorus viridis* Matsumura, 1919
 = *Periphyllus vandenboschi* Hille Ris Lambers, 1966*
390. *Sipha (Rungisia) maydis* Passerini, 1860 (5, 52, 69, 242, 324)
 = *S. maydis* Passerini, 1860
391. *Trichaitophorus recurvispinus* Hille Ris Lambers & Basu, A. N. 1966 (69, 226, 301)

Subfamily : DREPANOSIPHINAE

392. *Betacallis prunicola* Basu, R. C., Ghosh, A. K. & Raychaudhuri, 1973 (32, 87, 165, 169, 186, 299, 301)
 = *B. odaiensis* Takahashi, 1961*
393. *B. querciphaga* Basu, R. C., Ghosh, M. R. & Raychaudhuri, 1974 (5, 34, 87, 155, 165, 169, 180, 301)
 = *B. odaiensis* Takahashi, 1961*
394. *B. sikkimensis* Basu, R. C., Ghosh, M. R. & Raychaudhuri, 1974 (34, 87, 299, 301)
395. *Betulaphis longicornis* Quednau & Chakrabarti, 1980 (87, 198, 282, 301)
 = *Calaphis* sp.
396. *Callaphis juglandis* (Goezel, 1778) (54, 74, 80, 356)
 = *Panaphis juglandis* (Goezel, 1778)
397. *Chromaphis hirsutustibis* Kumar & Lavigne, 1970 (41, 54, 70, 89, 245, 253, 280)
398. *C. juglandicola* (Kaltenbach, 1843) (53, 70, 80, 356)

399. *Chuansicallis changtuensis* Tao, 1964 (155)
400. *Clethrobius dryobius* Chakrabarti & Raychaudhuri, 1976
(10, 87, 88, 154, 165, 299, 301)
= *C. comes* (Walker, 1848)*
= *C. Sp. nr. comes* (Walker, 1848)
401. *Cranaphis indica* Chakrabarti & Raychaudhuri, 1976 (87, 88, 301)
402. *Hoplocallis microsetosus* (Quednau & Chakrabarti, 1976) (281)
= *Myzocallis (Hoplocallis) microsetosus* Quednau & Chakrabarti, 1976
403. *Machilaphis machili* (Takahashi, 1928) (87, 160, 299, 301, 315)
404. *Mesocallis alnicola* Ghosh, A. K., 1974 (87, 154, 301)
405. *M. obtusirostris* Ghosh, A. K., 1974 (87, 154, 301)
406. *Mycocallis polychaetus* David, 1969 (41, 84, 114, 322)
= *M. (Agrioaphis) aptera* Richards & Kumar, 1971
= *M. (Dryomyzus) polychaetus* David, 1969
407. *Neobetulaphis chaetosiphon* Quednau, 1980 (87, 282, 301)
= *Neobetulephis* sp.
408. *N. immaculata* Ghosh, A. K. 1976 (155)
409. *N. pusilla* Basu, A. N. 1964 (23, 87, 299, 301)
410. *Paracallipterus kalipadi* Raychaudhuri & Ghosh, A. K., 1964
(87, 301, 303)
411. *Saltusaphis scirpus* Theobald, 1915 (44, 117)
= *S. africana* Eastop, 1953
412. *Sarucallis kahawaluokalani* (Kirkaldi, 1907) (21, 44, 45, 87, 115, 173, 299, 301, 311, 315)
= *Myzocallis kahawaluokalani* Kirkaldi, 1907
= *Tinocallis kahawaluokalani* (Kirkaldi, 1907)
413. *Sarucallis nigropunctatus* Tao, 1964 (155)
414. *Serratocallis takahashii* Quednau & Chakrabarti, 1976 (281)
415. *Shivaphis bambusicola* (David, Rajasingh & Narayanan, 1971)
(41, 87, 131, 301)
= *Cranaphis bambusicola* David, Rajasingh & Narayanan, 1971
416. *S. celti* Das, 1918 (44, 54, 74, 87, 108, 296, 299, 301, 364)
= *S. ? bambusicola* David, Rajasingh & Narayanan, 1971
417. *Subtakecallis brevisetosus* Raychaudhuri & Pal, 1974 (87, 299, 301, 318)
418. *S. pilosus* (David, Rajasingh & Narayanan, 1970) (87, 131, 299, 301, 318)
= *Cranaphis pilosus* David, Rajasingh & Narayanan, 1970

419. *Taiwanaphis dineni* Mondal, Agarwala & Raychaudhuri, 1979
(262)
420. *T. randiae* Ghosh, A. K., Banerjee & Raychaudhuri, 1971
(87, 160, 162, 299, 301)
421. *Takecallis arundinariae* (Essig, 1917) (5, 45, 87, 97, 162, 299,
301, 302)
= *Myzocallis bambusifoliae* Takahashi, 1921
422. *Taoia chuansiensis* (Tao, 1964) (54, 60)
= *Euceraphis chuansiensis* Tao, 1964
423. *T. indica* (Ghosh, A. K. & Raychaudhuri, 1972) (8, 41, 87,
170, 299, 301)
= *Euceraphis chuansiensis* Tao, 1964*
= ? *E. chuansiensis* Tao, 1964
= *E. indica* Ghosh & Raychaudhuri, 1972
424. *Therioaphis trifolii* forma *maculata* (Buckton, 1899) (44, 45,
108, 252)
= *Chaitophorus maculata* Buckton, 1899
= *Pterocallidium maculatum* (Buckton, 1899)
425. *T. ononidis* (Kaltenbach, 1846) (134, 230, 352)
426. *T. rheimni* (Borner, 1949) (97)
427. *T. trifolii* (Monell, 1882) (9, 54, 129)
= *Callipterus trifolii* Monell, 1882
428. *Tinocallis distinctus* Ghosh, M. R., Ghosh, A. K. & Raychaudhuri, 1971 (41, 172, 214, 299, 301)
429. *T. himalayensis* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri
1971 (41, 87, 170, 216, 301)
430. *T. magnoliae* Ghosh, A. K. & Raychaudhuri, 1972 (87, 188,
299, 301)
431. *Tinocalloides montanus* Basu, A. N., 1970 (26, 33, 41, 87, 215,
219, 245, 253, 299, 301)
= *Tuberodectus eastopi* Kumar & Lavigne, 1970
432. *Tuberculatus nervatus* Chakrabarti & Raychaudhuri, 1976
(33, 87, 88, 283, 299, 301)
= *T. capitatus* (Essig & Kuwana, 1918)*
433. *T. (Acanthocallis) indicus* Ghosh, L. K., 1972 (61, 87, 204,
299, 301)
= *T. indicus* Ghosh, 1972
= *Tuberculoides Quercicola* (Matsumura, 1929)*
434. *T. (Orientuberculoides) paiki* Hille Ris Lambers, 1974 (87, 301)
435. *Yamatocallis (Megalophyllaphis) obscura* (Ghosh, M. R., Ghosh,
A. K. & Raychaudhuri, 1971) (87, 214, 299, 301)

= *Megalophyllaphis obscura* Ghosh, Ghosh, & Raychaudhuri, 1971

= *Yamatocallis obscura* Ghosh, Ghosh & Raychaudhuri, 1971

Subfamily : GREENIDEINAE

436. *Allotrichosiphum assamense* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh, A. K., 1973 (160, 299, 301, 316)
= *A. kashicola* (Kurisaki, 1920)*
437. *Anomalosiphum indigoferae* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1971 (162, 170, 214, 216, 299, 301)
= *A. Sp. ? pithecolobi* Takahashi, 1934
438. *Brevitrichosiphon mukerjii* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh, A. K., 1973 (299, 301, 316)
439. *B. nungsireinae* Singh, Raychaudhuri' D. & Raychaudhuri, 1979 (338)
440. *Cervaphis rappardi indica* Basu, A. N., 1961 (21, 45, 152, 157A, 301)
441. *C. quercus* Takahashi, 1918 (157A, 246, 299, 301)
442. *C. schonteniae* van der Goot, 1917 (26, 44, 45, 157A, 160, 162, 231, 299, 301)
= *C. cambodiensis* Takahashi, 1941
443. *Eutrichosiphum arunachali* Basu, R. C., Ghosh, A. K. & Raychaudhuri, 1972 (31, 265, 299, 301)
444. *E. betulae* Mondal, Chatterjee & Raychaudhuri, 1979 (264)
445. *E. davidi* Raychaudhuri, 1956 (44, 297, 301, 314)
446. *E. dubium* (van der Goot, 1918) (44, 169, 220, 299, 301, 308)
= *Holotrichosiphon dubius* (van der Goot, 1918)
= *Trichosiphum dubius* (van der Goot, 1918)
447. *E. garhwalense* Maity & Chakrabarti, 1980 (255)
448. *E. jugeshwari* Singh, Raychaudhuri, D. & Raychaudhuri, 1979 (338)
449. *E. makii* Raychaudhuri & Chatterjee, 1974 (155, 299, 301, 305)
450. *E. manipurensis* Singh, Raychaudhuri, D. & Raychaudhuri, 1979 (338)
451. *E. manoji* Chatterjee, Mondal & Raychaudhuri, 1981 (265)
452. *E. minutum* (van der Goot, 1916) (44)
= *Trichosiphum minutum* van der Goot, 1916
453. *E. pasaniae* (Okajima, 1908) (21, 44, 45, 107, 165)
= *E. lithocarpi* Maki, 1918

- = *E. van der gooti* Raychaudhuri, 1956
454. *E. pseudopasaniae* Szelegiewicz, 1968 (8, 80, 160, 161, 162, 165, 170, 198, 299, 301)
 = *E. pasaniae* (Okajima, 1908)
 = *E. pasaniae pseudopasaniae* Szelegiewicz, 1968
 = *E. ven der gooti* Raychaudhuri, 1956*
455. *E. pyri* Chakrabarti, Ghosh, A. K. & Raychaudhuri, 1972 (32, 80, 299, 301)
456. *E. quercifoliae* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh A. K., , 1973 (41, 299, 301, 316)
457. *E. rameshi* (Raychaudhuri, Chatterjee & Raychaudhuri, D., 1977) (308)
 = *Holotrichosiphon rameshi* Raychaudhuri, Chatterjee & Raychaudhuri, 1977
458. *E. russellae* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1971 (170, 301)
 = *Holotrichosiphon russellae* Ghosh, Ghosh & Raychaudhuri, 1971
459. *E. sankari* Raychaudhuri, Ghosh, M. R., Banerjee, & Ghosh, A. K., 1973 (155, 299, 301, 316)
 = *E. pasaniae sankari* Raychaudhuri, 1973 (Ms. name)
460. *E. takahashii* Basu, R. C., Ghosh, A. K. & Raychaudhuri, 1973 (32, 299, 301, 305)
 = *E. (Neotrichosiphum) sp. A.*
461. *E. taoi* Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1970 (4, 80, 165, 299, 301)
462. *E. tapatii* Mondal, Chatterjee & Raychaudhuri, 1979 (264, 315)
463. *E. (Neoparatrichosiphum) atini* Raychaudhuri & Chatterjee, 1977 (307)
464. *E. (N.) flavum* (Takahashi, 1941) (301, 340)
465. *E. (N.) khashyanum* (Ghosh, A. K. & Raychaudhuri, 1962) (45, 178, 179, 301, 315)
 = *Paratrichosiphum (Neoparatrichosiphum) khashyanum* Ghosh & Raychaudhuri, 1962
466. *E. (N.) litseae* Raychaudhuri, D., Raha & Raychaudhuri, 1977 (320)
467. *E. (N.) manii* (Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1970) (165, 301)
 = *Greenidea (Trichosiphum) manii* Ghosh, Basu & Raychaudhuri, 1970

468. *E. (N.) raychaudhurii* (Ghosh, A. K., 1969) (32, 75, 147, 301, 305, 340)
= *Paratrichosiphum (Neotrichosiphum) raychaudhurii* Ghosh, 1969
469. *E. (Neotrichosiphum) subinoyi* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh, A. K., 1973 (299, 301, 316)
= *E. sinense* Raychaudhuri, 1956
470. *E. (Paratrichosiphum) alnicola* (Basu, A. N., 1968) (24, 61, 185, 215, 301, 315)
= *Paratrichosiphum alnicola* Basu, 1978
= *Greenidea (Trichosiphum) myricae* Takahashi, 1925*
471. *E. (P.) assamensis* (Ghosh, A. K. & Raychaudhuri, 1969) (45, 75, 83, 97, 155, 164, 167, 168, 179, 254, 299)
= *Paratrichosiphum tattakanum assamensis* Ghosh & Raychaudhuri, 1969
472. *E. (P.) neoalnicola* Raychaudhuri, Ghosh, L. K. & Das, 1980 (315)
473. *E. (P.) querciphaga* Chakrabarti and Maity, 1980 (83)
474. *E. (P.) sensoriatum* (Ghosh, A. K., 1974) (152)
= *Paratrichosiphum sensoriatum* Ghosh, 1974
475. *E. (P.) sikkimense* (Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh, A. K., 1973) (301, 316)
= *Paratrichosiphum sikkimense* Raychaudhuri, Ghosh, Banerjee & Ghosh, 1973
476. *E. (P.) tattakanum* (Takahashi, 1925) (21, 60, 115, 301)
= *Paratrichosiphum tattakanum* Takahashi, 1925
477. *Greenidea aborensis* Ghosh, A. K. 1974 (152, 301)
478. *G. artocarpi* (Westwood, 1890) (40, 106, 146, 231, 297, 299, 301, 314)
479. *G. decaspermi* Takahashi, 1933 (122, 299, 301)
480. *G. ficicola* Takahashi, 1921 (8, 22, 32, 45, 161, 193, 241, 294, 297, 299, 301, 314)
481. *G. himansui* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh, A. K., 1973 (299, 301, 316)
482. *G. longicornis* Ghosh, M. R., Ghosh, A. K. & Raychaudhuri, 1971 (32, 214, 299, 301)
483. *G. longirostris* Basu, A. N., 1969 (26, 33, 186, 216, 299, 301)
484. *G. neoficicola* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1970 (169, 299, 301)
485. *G. (Neogreenidea) ayyari* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh, A. K., 1973 (299, 301, 316, 340)

486. *G. (N.) longisetosa* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh, A. K., 1973, (299, 301, 316)
487. *G. (N.) querciphaga* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh, A. K., 1973 (299, 301, 316)
488. *G. (Paragreenidea) symplocosis* Ghosh, A. K., Basu, R. C. & Raychaudhuri 1969 (161, 164, 299, 301)
489. *G. (Trichosiphum) anonae* (Pergande, 1906) (41, 44, 75, 162, 297, 299, 301)
490. *G. (T.) brachyunguis* Chatterjee, Mondal & Raychaudhuri, 1981 (265)
491. *G. (T.) bucktonis* Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1970 (112, 165, 170, 216, 299, 301)
492. *G. (T.) formosana* (Maki, 1917) (5, 44, 80, 112, 135, 167, 186, 197, 238, 294, 297)
493. *G. (T.) herri* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh A. K., 1973 (8, 10, 27, 44, 142, 155, 165, 286, 299, 301, 314, 316)
 = *G. (T.) formosana* (Maki, 1917)*
 = *G. (T.) formosana herri* Raychaudhuri, Ghosh, Banerjee & Ghosh, 1973
 = *G. (T.) okajima* Suenaga, 1934*
 = *G. eugeniae* Takahashi, 1941*
 = *G. heterotricha* Ghosh, A. K., 1976
494. *G. (T.) gigantea* Ghosh, A. K. & Raychaudhuri, 1972 (187, 299, 301)
495. *G. (T.) haldari* Maity & Chakrabarti, 1980 (255)
496. *G. (T.) kumaoni* Chakrabarti & Raychaudhuri, 1978 (89)
497. *G. (T.) prunicola* Ghosh, A. K., Banerjee & Raychaudhuri, 1977 (161, 299, 301)
498. *G. (T.) schoutedeni* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh, A. K. 1973 (155, 299, 301, 314)
499. *G. (T.) sikkimensis* Raychaudhuri, Ghosh, M. R., Banerjee & Ghosh, A. K., 1973 (155, 299, 301, 314)
500. *G. (T.) spinotibium* Chatterjee & Raychaudhuri, 1977 (301, 306)
501. *Greenideoida (Neogreenideoida) bengalensis* Raychaudhuri & Chatterjee, 1977 (301, 306)
502. *G. (Paragreenideoida) ceyloniae* van der Goot, 1917 (41, 44, 155)
503. *G. ceyloniae bhalukpongensis* Ghosh, A. K., Banerjee & Raychaudhuri, 1971 (160, 164, 167, 299)

504. *G. (Pentatrichosiphum) lambersi* Basu, A. N., 1964 (23)
 505. *G. (P.) luteum* (Basu, A. N., 1969) (25, 33, 166, 301)
 = *Pentatrichosiphum javanicum* Raychaudhuri, 1956
 506. *Mollitrichosiphum shinjii*, Raychaudhuri, Ghosh, M. R., Banerjee
 & Ghosh, A. K., 1973 (299, 301, 316)
 507. *M. tenuicarpus* (Okajima, 1908) (5, 8, 41, 155, 170, 180, 299,
 301)
 = *M. (Metatrichosiphon) tenuicarpus* (Okajima, 1908)
 508. *M. (Ditrichosiphon) elongatum* (Takahashi, 1940) (26)
 = *Paratrichosiphum javanicum* Raychaudhuri, 1956
 509. *M. (Metatrichosiphon) acutihirsutum* Maity & Chakrabarti, 1980
 (255)
 510. *M. alni* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1970
 (33, 41, 44, 75, 169, 216, 291, 299, 301)
 = *Trichosiphum ? montanum* van der Goot, 1918
 511. *M. (M.) alnifoliae* Chakrabarti & Raychaudhuri, 1978 (89)
 512. *M. (M.) buddleiae* Ghosh, A. K., Banerjee & Raychaudhuri,
 1971 (161, 299, 301)
 512a. *M. (M.) kazirangi* Ghosh, A. K., 1974 (152, 167, 301)
 513. *M. (M.) nandii* Basu, A. N., 1964 (1, 5, 8, 9, 23, 216, 299,
 301, 309)
 514. *M. (M.) rhusae* Ghosh, A. K., 1974 (33, 152, 155, 299, 301)
 514a. *M. (M.) taiwanum* (Takahashi, 1921) (33, 152, 155, 299, 301)
 515. *Schoutedenia lutea* (van der Goot, 1917) (21, 31, 41, 44, 45,
 112, 115, 120, 142, 165, 172, 176, 197, 216, 275, 276,
 294, 299, 301, 314, 340, 356)
 = *Setaphis bougainvilleae* Theobald, 1920
 = *Schoutedenia bougainvilleae* Theobald, 1920
 = *S. emblica andhraka* David & Hille Ris Lambers, 1950
 = *S. emblica emblica* Patel & Kulkarni, 1953
 516. *Sumatraphis celti* Takahashi, 1935 (33, 170, 299, 301, 304,
 314)

Subfamily : **HORMAPHIDINAE**

517. *Aleurodaphis blumeae* van der Goot, 1917 (178, 179, 198, 299,
 301)
 518. *Astegopteryx bambusae* (Buckton, 1893) (22, 44, 45, 63, 112,
 137, 140, 156, 252)
 = *A. lutescens* van der Goot, 1917
 = *Oregma bambusae* Buckton, 1983

519. *A. formosana* (Takahashi, 1924) (44, 112)
520. *A. insularis* (van der Goot, 1912) (44, 105, 112, 146, 160, 162, 231, 350)
 = *A. mysorensis* (Theobald, 1929)
 = *Oregma insularis* van der Goot, 1912
 = *O. mysorensis* Theobald, 1929
521. *A. minuta* (van der Goot, 1917) (22, 33, 44, 45, 112, 160, 217, 299, 301, 309)
 = *A. insularis* (van der Goot, 1912)*
 = *Astegopteryx* sp.
522. *A. neelagiriensis* David, 1958 (45, 105, 113)
 = *A. formosana neelagiriensis* David, 1958
523. *Cerataphis orchidearum* (Westwood, 1879) (266, 124, 156)
524. *C. palmae* (Ghesquiere, 1934) (22, 44, 45, 112, 140, 294)
 = *C. variabilis* Hille Ris Lambers, 1953
525. *Ceratoglyphina bambusae* van der Goot, 1917 (45, 356)
526. *C. bambusae bengalensis* Ghosh, L. K. 1972 (21, 33, 204, 217, 274, 299, 301)
 = *C. bambusae* van der Goot, 1917*
527. *Ceratovacuna indica* Ghosh, M. R., Pal & Raychaudhuri, 1974 (217, 299)
528. *C. lanigera* Zehntner, 1897 (8, 165, 314)
 = *Oregma (ceratovacuna) lanigera* Zehntner, 1897
529. *C. perglandulosa* Basu, R. C., Ghosh, A. K. & Raychaudhuri, 1973 (32, 216, 217, 286, 299, 301)
 = *Pseudoregma panicola* (Takahashi, 1921)*
530. *C. silvestrii* (Takahashi, 1927) (8, 33, 186, 216, 217, 226, 286, 299, 301)
 = *Oregma subglandulosa* Hille Ris Lambers & Basu, D. N. 1966*
 = *Pseudoregma subglandulosa* (Hille Ris Lambers & Basu, 1966)*
531. *C. spinulosa* Ghosh, A. K., & Raychaudhuri, 1972 (165, 187, 217, 299, 301)
 = *C. ? nekoashii* Sasaki, 1910
532. *Chaitoregma tattakana* (Takahashi, 1925) (217, 226, 299, 301)
533. *Doraphis populi* (Maskell, 1898) (124, 324)
534. *Euthoracaphis heterotricha* Ghosh, A. K., & Raychaudhuri, 1973 (189, 299, 301)
535. *Glyphinaphis bambusae* van der Goot, 1917 (21, 45, 165, 186, 286, 299, 301)

536. *Hemipodaphis monstrosa* David, Narayanan & Rajasingh, 1971
(125)
537. *Indonipponaphis tuberculata* Ghosh, A. K. & Raychaudhuri,
1973 (189, 299, 301)
538. *Kurisakia indica* Basu, A. N., 1968 (8, 24, 169, 215, 294, 299
301)
= *Glyphina onigurami* (Shinji, 1923)*
539. *Metanipponaphis assamensis* Ghosh, A. K. & Raychaudhuri,
1973 (165, 189, 299, 301)
= *M. nr. cupidata* (Essig & Kuwana, 1918)
540. *M. echnita* Ghosh, A. K., 1974 (154, 301)
541. *M. silvestrii* (Takahashi, 1935) (154, 167, 301)
542. *Neoceratovacuna panicicola* Takahashi, 1921 (26, 44, 112,
127, 216, 217, 299, 301)
= *Oregma panicola* Takahashi, 1921
= *Pseudogegma panicola* (Takahashi, 1921)
543. *Neotuberaphis bengalensis* Pal & Raychaudhuri, 1980 (301)
544. *N. indica* Raha & Raychaudhuri, 1981 (326)
545. *Nipponaphis holboelliae* Ghosh, A. K. & Raychaudhuri, 1974
(171, 189, 299, 301)
= *Nipponaphis* sp.
546. *N. manoji* Ghosh, A. K. and Raychaudhuri, 1974 (189, 299,
301)
547. *N. (Pseudonipponaphis) himalayensis* Ghosh, A. K. & Ray-
chaudhuri, 1973 (189, 299, 301)
548. *N. (P.) machiliphaga* Takahashi, 1959 (160, 171, 301)
549. *N. (P.) querciphaga* Ghosh, A. K. & Raychaudhuri, 1973
(162)
= *Nipponaphis* sp.
550. *Paraoregma alekandri* (Takahashi, 1924) (8, 11, 26, 33, 294,
299, 301, 310)
= *Oregma alexandri* Takahashi, 1924
= *Pseudoregma alexandri* (Takahashi, 1924)
551. *P. orientalis* Agarwala, Mondal & Raychaudhuri, 1982 (3)
552. *Pseudoastegopteryx himalayensis* Ghosh, M. R., Pal & Ray-
chaudhuri, 1974 (217, 299, 301)
553. *Pseudoregma bucktoni* Ghosh, M. R., Pal & Raychaudhuri,
1974 (8, 22, 33, 44, 45, 127, 156, 165, 198, 216, 217,
268, 299, 301)
= *Oregma bambusae* Buckton, 1893 (in partim)
= *O. bambusicola* Takahashi, 1921*

= *Pseudoregma bambusicola* (Takahashi, 1921)*

554. *Pseudothoracaphis himachali* Raychaudhuri, Ghosh, L. K. & Das, 1980 (315)
 555. *Reticulaphis distylii rotifera* Hille Ris Lambers & Takahashi, 1971 (315)
 556. *Tuberaphis indica* Ghosh, A. K., Ghosh, M. R. & Raychaudhuri, 1971 (171, 299, 301)
 557. *T. loranthi* (van der Goot, 1917) (156)

Subfamily : LACHNINAE

558. *Cinara confinis tenuipes* Chakrabarti & Ghosh, A. K., 1974 (72, 81)
 = *C. abieticola tenuipes* Chakrabarti & Ghosh, 1974
 559. *C. atroalbipes* David, Narayanan & Rajasingh, 1970 (123)
 560. *C. atrotibialis* David & Rajasingh, 1968 (5, 8, 31, 126, 174, 299, 301)
 = *C. (Cinerella) ? pinea* Mordvilko, 1895
 561. *C. chaetorostrata* Ghosh, L. K. & Raychaudhuri (210A)
 562. *C. comata* Doncaster, 1956 (2, 44, 86, 124, 136, 324)
 = *C. (Lachniella) comata* Doncaster, 1956
 563. *C. curvipes* (Patch, 1912) (324)
 564. *C. indica* Verma, 1970 (359, 362)
 565. *C. lachnirostris* Hille Ris Lambers, 1966 (50)
 566. *C. longipennis* (Matsumura, 1917) (32, 299, 301)
 = *Lachnus quercihabitans* (Takahashi, 1924)
 = *L. ? quercihabitans* (Takahashi, 1924)
 567. *C. maculipes* Hille Ris Lambers, 1966 (72, 122, 124)
 568. *C. pinea* (Mordvilko, 1895) (45)
 = *C. (Cinerella) pinea* (Mordvilko, 1895)
 569. *C. similis* (van der Goot, 1917) (44, 220)
 = *Lachnus similis* van der Goot, 1917
 570. *C. tujafilina* (del Guercio, 1909) (302, 309, 310)
 571. *Enlachnus cembrae* Börner, 1950 (198)
 572. *E. thunbergii* (Wilson, 1919) (5, 181, 198, 299, 301)
 573. *Indocinara hottesis* Ghosh, A. K., Basu, R. C. & Raychaudhuri, 1969 (164)
 574. *Lachnus acutihirsutus* Kumar & Burkhardt, 1970 (243, 253)
 575. *L. tropicalis* (van der Goot, 1916) (5, 8, 10, 50, 51, 75, 171, 216, 299, 301, 309, 310, 315)
Pterochlorus tropicalis van der Goot, 1916

576. *Maculolachnus rubi* Ghosh, A. K & Raychaudhuri, 1972
(187, 299, 301)
577. *M. submacula* (Walker, 1848) (122)
578. *Nippolachnus bengalensis* Basu, A. N. & Hille Ris Lambers,
1968 (28, 152, 299, 301, 305, 315)
579. *N. himalayensis* (van der Goot, 1917) (28, 44, 220, 301, 315)
= *Lachnus himalayensis* van der Goot, 1917
= *Nippolachnus eriobotryae* Basu & Hille Ris Lambers,
1968
580. *N. piri* Matsumura, 1917 (8, 21, 174, 178, 179, 219, 294,
299, 301, 309, 315)
= *Lachnus* sp.
581. *Protrama longitarsus sclerodensus* Kumar, 1973 (156, 242)
= *Protrama salviat* Rishi & Bhagat, 1981 (325)
582. *Protrama penecaeca* Stroyan 1964 (41, 292, 348, 360, 366)
583. *Pterochlorides persicae* (Cholodkovsky, 1899) (44, 54, 328)
584. *Pyrolachnus imbricatus* David, Narayanan & Rajasingh, 1977
(54, 125)
585. *P. pyri* (Buckton, 1899) (22, 44, 45, 54, 108, 140, 146, 152,
219, 301)
= *Dilachnus krishni* George, 1927
= *Lachnus krishni* (George, 1927)
= *L. pyri* Buckton, 1899
586. *Schizolachnus orientalis* (Takahashi, 1924) (156)
587. *Stomaphis mordvilkoii* Hille Ris Lambers, 1933 (222)
588. *Tuberolachnus salignus* (Gmelin, 1970) (5, 44, 45, 54, 72, 130,
174, 253, 299, 301, 310, 364)
589. *T. (Tuberolachniella) scleratus* Hille Ris Lambers & Basu,
A. N., 1966 (226, 301)

Subfamily : PEMPHIGINAE

590. *Asiphoniella cynodonti* (Das, 1918) (44, 146, 274, 301, 319)
= *Geoica cynodonti* (Das, 1918)
591. *Baizongia pistaciae* (Linneus, 1767) (44, 79, 86, 97, 252, 359)
= *Dasia aedifactor* (Buckton, 1893)
= *Pemphigus aedifactor* (Buckton, 1893)
592. *Ceratopemphigella delhiensis* Menon & Pawar, 1958 (44)
593. *Chaetogeoica graminiphaga* Raychaudhuri, Pal & Ghosh,
M. R. 1978 (180, 274, 301, 319)
= *C. foliodantata* (Tao, 1947)*

594. *C. polychaeta* Raychaudhuri, Pal & Ghosh, M. R., 1978
(274, 301, 319)
595. *Ceruraphis eastopi* Hille Ris Lambers, 1966 (58)
596. *Epipemphigus imaicus* (Cholodkovsky, 1912) (74, 124, 168,
198, 254, 256a, 315, 359)
597. *Eriosoma kashmiricum* Ghosh, L. K., Verma & Raychaudhuri,
1976 (58, 211, 359)
598. *E. lanigerum* (Hausmann, 1802) (8, 9, 11, 44, 45, 54, 97, 109
127, 140, 141, 146, 219, 221, 239, 252, 254, 287, 292,
299, 315)
= *Schizoneura lanigera* (Hausmann, 1802)
599. *E. (Schizoneura) lanuginosum* (Hartig, 1839) (256a)
600. *E. (S.) longipilosum* Chakrabarti & Raychaudhuri, 1975 (86)
601. *E. (S.) phaenax* Mordvilko, 1923 (80, 122)
602. *E. (S.) ulmi* (Linnaeus, 1758) (51)
603. *Forda hirsuta* Mordvilko, 1928 (110)
604. *F. marginata* Koch, 1857 (82a, 274, 299, 318, 319)
= *F. trivialis* (Passerini, 1860)
= *Forda* sp.
605. *F. orientalis* George, 1920 (44, 115, 146, 170)
606. *F. riccobonii* (Stefani, 1899) (82a)
607. *Formosaphis micheliae* Takahashi, 1925 (21, 45, 286, 299,
301)
608. *Geoica indica* Kulkarni & Rao, 1980 (241)
609. *G. lucifuga* (Zehntner, 1897) (22, 33, 39, 44, 45, 100, 112,
241, 254, 274, 283, 292, 299, 301, 319)
610. *G. sikkimensis* Raychaudhuri, Pal & Ghosh, M. R., 1978
(274, 299, 301, 319)
= *Geoica* sp.
611. *Kaburagia ailanthi* Chowdhuri, Basu, R. C., Chakrabarti &
Raychaudhuri, 1969 (79, 86, 96)
612. *Kaltenbachiella carpinicola* Ghosh, A. K., Chakrabarti &
Bhattacharya, 1982 (157)
613. *Paoliella nirmalae* (David, 1969) (114)
= *Uipterus (Paoliella) nirmalae* David, 1969
614. *Pemphigus bursarius* (Linnaeus, 1758) (33, 299, 301)
= *P. lichtensteini* Tullgren, 1909*
615. *P. immunis* Buckton, 1896 (44, 50, 64, 75, 138, 252, 256a)
616. *P. indicus* Kieffer, 1908 (229)
617. *P. mordvilkoii* Cholodkovsky, 1912 (3, 89, 254, 256a)
618. *P. nainitalensis* Cholodkovsky, 1912 (256a)

619. *P. napeus* Buckton, 1896 (44, 64, 138, 252, 256a)
620. *P. vulgaris* Raychaudhuri, Pal & Ghosh, M. R., 1978 (274, 301, 319)
621. *Prociphilus cornifoliae* Singh, Das, B. C. & Raychaudhuri, 1977 (337)
622. *P. micheliae* Hille Ris Lambers, 1933 (301, 359)
623. *P. osmanthae* Essig & Kuwana, 1918 (181, 301)
624. *P. taxus* (Ghosh, A. K., Chakrabarti, Chowdhuri & Raychaudhuri, 1969) (168)
= *Anocaudus taxus* Ghosh, Chakrabarti, Chowdhuri & Raychaudhuri, 1969
625. *P. (Stagona) himalayensis* Chakrabarti, 1976 (67)
626. *Schizoneurella indica* Hille Ris Lambers, 1973 (51, 225)
627. *Smynthurodes betae* Westwood, 1849 (21, 44, 45, 91, 234, 274, 292, 299, 301, 319)
= *Forda trivialis* (Passerini, 1860)*
= *Trifidaphis gassypii* Kulkarni, 1956
= *Smynthurodes* sp.
628. *Tetraneura javaensis* (van der Goot, 1917) (44, 45, 110, 145, 146, 292)
= *Tetraneura cynodonti coimbatorensis* nom. nud. George, 1928
= *T. ulmi* George, 1924
= *Tetraneura* sp.
629. *T. kalimpongensis* Raychaudhuri, Pal & Ghosh, M. R., 1978 (274, 301, 319)
630. *T. multisetosa* Raychaudhuri, Pal & Ghosh, M. R., 1978 (274, 301, 319)
631. *T. radiculicola* Strand, 1929/*Yezolensis* Matsumura, 1917 Group (45, 65, 82, 223, 274, 283, 299, 301, 319)
= *T. heterohirsuta* Carver & Basu, A. N., 1961 (in Partim)
= *T. radiculicola* Strand, 1929
632. *T. sikkimensis* Raychaudhuri, Pal & Ghosh, M. R., 1978 (274, 301, 319)
633. *T. (Indotetraneura) lambersi* Chakrabarti & Maity, 1978 (82)
634. *T. (I.) utpali* Chakrabarti, Maity & Bhattacharya, 1982 (82a)
635. *T. (Tetraneurella) basui* Hille Ris Lambers, 1970 (224, 283, 274, 301, 319)
636. *T. (T.) nigriabdominalis* (Sasaki, 1899) (9, 44, 45, 75, 82, 92, 106, 110, 112, 127, 180, 232, 240, 241, 274, 283, 292, 301, 319)

= *T. hirsuta* Baker, 1921

637. *Thecabius affinis* (Kaltenbach, 1843) (82)

Family : ADELGIDAE

Subfamily : ADELGINAE

638. *Aphiostisia funitecta* Dreyfus 1888 (153)
 639. *Dreyfusia joshii* Schneider-Orelli & Schneider 1950 (153, 326b)
 640. *Dreyfusia kuncheli* Schneider-Orelli & Schneider, 1954 (153, 326a)

Subfamily : PINENAE

641. *Pineus laevis* (Maskell, 1885) (153)
 642. *Pineus pini* (Macquart, 1819) (153)

SPECIES NOT DEFINITELY IDENTIFIED

APHIDINAE

643. *Acyrtosiphon* ? *moltshanovi* Mordvilko, 1914 (119)
 644. *A.* ? *soldatovi* Mordvilko, 1914 (122)
 645. *A./Aulacorthum lespedezae-photinae* Complex (45, 179)
 646. *Aphis* nr. *craccivora* Koch, 1854 (95)
 647. *A.* nr. *gossypii* Glover, 1877 (119, 146)
 648. *A. gossypii/nasturtii* Complex (95)
 649. *A. grossulariae* Kltb., 1843 nr. *pollinosa* Walker, 1849 (50)
 650. *A.* nr. *pollinosa* Walker, 1849 (324)
 651. *A.* nr. *punicae* Passerini, 1863 (227)
 652. *A.* ? *rhoicola* Hille Ris Lambers, 1856 (124)
 653. *A.* ? *rubosum* (Borner, 1832) (97)
 654. *A.* nr. *rumicis* Linnaeus, 1758 (54, 95)
 655. *A.* nr. *umbrella* (Borner, 1850) (220)
 656. *A. (Protaphis)* nr. *carthami* (Das, 1918) (44)
 657. *Cavariella* ? *araliae* Takahashi, 1921 (86)
 658. *Dysaphis* ? *emicis* (Mimeur, 1835) (2)
 659. *Hyalomyzus* ? *sensoriatus* (Mason, 1940) (35, 171, 301)
 660. *Hyalopterus* ? *amygdali* (Blanchard, 1840) (124)
 661. *Impatientinum* ? *asiaticum* Nevsky, 1929 (124)
 662. *Jacksonia* ? *conandri* (Takahashi, 1961) (79, 86)
 663. *Longicaudus* ? *dunlopi* Hille Ris Lambers, 1965 (79, 86)
 664. *Macrosiphoniella* ? *kikungshana* Takahashi
 1937 (39, 41, 169, 180, 215, 216, 299, 301)
 665. *Macrosiphum (Sitobion)* nr. *avenae* (Fabricius, 1775) (324)
 666. *M. (S.)* ? *bamendae* Eastop, 1959 (16)
 667. *M. (S.)* ? *ibarae* Matsumura, 1917 (301)

668. *Megoura* ? *lespedezae* (Essig & Kuwana, 1918) (198)
 669. *Metopolophium* ? *caraganae* (Cholodkovsky, 1907) (162, 299, 301, 317)
 670. *Myzus* ? *hemerocallis* Takahashi, 1921 (38, 44, 107)
 671. *Neoacythosiphon* ? *taiheisanum* (Takahashi, 1955) (127)
 672. *Ovatus* nr. *crategarius* (Walker, 1850) (50)
 673. *Pseudaphis* ? *absyssinica* Hille Ris Lambers, 1956 (171, 299, 301)
 674. *Pterocomma* ? *pilosum* Buckton, 1879 (124)
 675. *Rhopalosiphoninus* ? *latysiphon* (Davidson, 1912) (299, 301)
 676. *Schizaphis* ? *punjabipyri* (Das, 1918) (41, 301)
 677. *Sinomegoura* ? *vagans* (van der Goot, 1917) (44, 220)

CHAITOPHORINAE

678. *Chaitophorus* ? *populialbae* (Boyer de Fonscolombe, 1841) (124)

GREENIDEINAE

679. *Greenideoida* (*Pentatrichosipum*) ? *lambersi* Basu, A.N., 1964 (170, 299, 301, 306)

HORMAPHIDINAE

680. *Cerataphis* ? *lataniae* (Boisdual, 1867) (160, 162, 217, 299, 301)
 681. *C.* ? *palmae* (Ghesquire, 1934) (217, 299, 301)
 682. *Doraphis* ? *populi* (Maskell, 1898) (256a)
 683. *Tuberaphis* ? *coreanus* Takahashi, (214)

LACHNINAE

684. *Eulachnus* ? *rileyi* (Williams, 1911) (127)
 685. *Longistigma* ? *liquidambasus* (Takahashi, 1925) (156)

PEMPHIGINAE

686. *Eriosoma* nr. *phaenax* Mordvilko, 1923 (50)
 687. *Pemphigus* ? *bursarius* (Linnaeus, 1758) (32)
 688. *P.* ? *napeus* Buckton, 1896 (2)
 689. *Prociphilus* ? *osmanthae* Essig & Kuwana, 1918 (50)

III. SPECIES IDENTIFIED UPTO GENERIC LEVEL ONLY

ANOECIINAE

690. *Anoecia* spp. (195, 299)

APHIDINAE

691. *Acythosiphon* sp. (54)
 692. *Akkaia* sp. (61, 125)
 693. *Amphorophora* sp. (135, 294)

694. *Aphidura* sp. (59)
 595. *Aphis* spp. (9, 17, 45, 97, 127, 134, 135, 186, 196, 198, 208, 233, 294, 327)
 696. *Aulacorthum* (*Anaulacorthum*) sp. (296, 301)
 697. *Aulacorthum* spp. (41, 160, 160, 299, 301)
 698. *Brachycaudus* spp. (5, 342)
 699. *B.* (*Mordvilkomemor*) sp. (54, 95, 96)
 700. *B.* (*Thuleaphis*) sp. (2)
 701. *Brachyunguis* spp. (44, 45)
 702. *Capitophorus* spp. (2, 5, 54, 294, 359)
 703. *Caveriella* spp. (15, 31, 41, 127, 299, 301)
 704. *Chaetosiphon* (*Pentatrichopus*) sp. (44)
 705. *Dysaphis* spp. (16, 41, 97, 324)
 706. *Ericolophium* sp. (198)
 707. *Eumyzus* sp. (50)
 708. *Hayhurstia* sp. (198)
 709. *Hyalomyzus* sp. (26)
 710. *Hyperomyzus* sp. (5, 342)
 711. *Jacksonia* sp. (16, 41)
 712. *Liosomaphis* sp. (97)
 713. *Macrosiphoniella* spp. (5, 59, 271, 294, 342)
 714. *Macrosiphum* spp. (5, 30, 44, 45, 59, 167, 174, 197, 220, 232, 289, 294)
 715. *M.* (*Sitobion*) spp. (5, 16, 41, 160, 165, 175, 208, 228, 299, 342)
 716. *Matsumuraja* sp. (294)
 717. *Megoura* sp. (54, 60)
 718. *Melanaphis* spp. (45, 327)
 719. *Metopolophium* spp. (54, 60, 98, 315)
 720. *Micromyzodium* sp. (32, 356)
 721. *Micromyzus* spp. (8, 30, 31, 41, 161, 299, 301)
 722. *Myzus* spp. (1, 5, 31, 54, 95, 96, 294, 342)
 723. *Neocyrthosiphon* sp. (315)
 724. *Phorodon* sp. (5, 342)
 725. *Pterocomma* sp. (324)
 726. *Semiaphis* spp. (95, 96)
 727. *Toxoptera* sp. (9, 44)
 728. *Urolencon* spp. (5, 45, 98, 135, 176, 178, 179, 180, 227, 294)
 729. *Vesiculaphis* sp. (94, 294)

CHAITOPHORINAE

730. *Chaitophorus* spp. (2, 8, 334)

731. *Periphyllus* sp. (61, 171)

DREPANOSIPHINAE

732. *Betacallis* sp. (50)
 733. *Calaphis* sp. (26, 198)
 734. *Myzocallis* spp. (180, 294)
 735. *Neobetulaphis* sp. (324)
 736. *Plocamaphis* sp. (324)
 737. *Saltusaphis* sp. (228)
 738. *Therioaphis* sp. (294)
 739. *Tuberculatus* sp. (188)

GREENIDIENAE

740. *Eutrichosiphum* spp. (5, 124, 127)
 741. *Greenidea* sp. (44, 162)
 742. *G. (Trichosiphum)* sp. (166)
 743. *Schontedenia* sp. (294)

HORMAPHIDINAE

744. *Cerataphis* sp. (99)
 745. *Ceratovacuna* sp. (165)
 746. *Neothoracaphis* sp. (152, 301, 305)
 747. *Nipponaphis* sp. (162)
 748. *Thoracaphis* spp. (189, 283, 301)

LACHNINAE

749. *Cinara* spp. (51, 95, 96, 97, 193, 203, 323)
 750. *Lachnus* spp. (45, 51, 92, 324)
 751. *Nippolachnus* sp. (101)
 752. *Stomaphis* sp. (315)

PEMPHIGINAE

753. *Chaetogeoica* sp. (292)
 754. *Eriosoma* sp. (50.51)
 755. *Forda* spp. (34, 44, 292, 324)
 756. *Geoica* sp. (146, 292)
 757. *Kaburagia* sp. (95)
 758. *Pemphigus* spp. (50, 95, 96, 193, 198, 221, 289, 294, 324, 359)
 759. *Prociphiius* spp. (5, 21, 45, 95, 96, 165, 299, 301, 359)
 = *Stagona* sp.
 760. *Smynthurodes* sp. (292)
 761. *Tetraneura* spp. (44, 145, 292, 324)
 762. *Thecabius* sp. (124)

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