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Food plant records of Aphidini (Aphidinae: Aphididae: Hemiptera) in India

Garima Singh and Rajendra Singh

Abstract
The Aphidini is one of the 2 tribes of the subfamily Aphidinae (Aphididae: Hemiptera) containing about 830 species/subspecies assigned to 33 genera. Out of these, only 9 genera and 70 species/subspecies were recorded from India infesting 940 plant species belonging to 138 families, out of which only 19 families are monocot. Indian Aphidini are recorded mostly on the plant family Asteraceae (102 plant species), followed by Fabaceae (96 plant species), Poaceae (92 plant species), Lamiaceae (46 plant species), Rosaceae (38 plant species), Solanaceae (34 plant species), Apocyanaceae (28 plant species), Rubiaceae (26 plant species), Malvaceae (25 plant species), Rutaceae (22 plant species), Cucurbitaceae (22 plant species), Polygonaceae (21 plant species), etc. Out of 70 described species of Aphidini from India, 14 species are monophagous; 40 species are oligophagous infesting 2 to 20 plant species; and 8 species are moderately polyphagous infesting 21 to 55 plant species while 8 species are highly polyphagous feeding on 55 upto 569 plant species. The present contribution provides updated checklist of Indian Aphidini with the valid scientific name of the aphids as well as their food plants.

Keywords: Aphidinae, Aphidini, food plant, aphids, checklist

Introduction
Aphids (Insecta: Homoptera : Aphididae), popularly known as plant-lice or ant-cows are tiny plant sap sucking insects varying in size between 0.7 and 7.0 mm in length [1]. They form one of the major groups of phytophagous insects due to their polyphagism, polymorphism, parthenogenesis, viviparity, fast development, host alteration, transmission of plant viruses etc. In suitable conditions their power of multiplication is astronomical so that they rapidly attain pest status in agro ecosystem. They attack all parts of the plants including roots. Some of them directly damage the plants by sucking their nutrient which causes curling and twisting of tender shoots and general devitalisation of plants especially of agricultural as well as horticultural importance [1, 2]. In some cases, however, the very young seedling may succumb to the injury. Inflorescences may fail to open fully when the part of the plant is heavily infected. Sometime fruits fail to develop normally which may also show various malformations like twisting of pods, impaired developments of seeds etc. The subaerial infestations by aphids also cause yellowing of foliages and stunted general growth [3]. In gall-making aphids, making different types of leaf and stem galls causes injury and these galls subsequently serve as temporary abodes for these aphids. These symptoms are observed on perennial forest trees [4, 5]. In spite of aforesaid direct effects, aphids have also some indirect effects. Some species of aphids by their copious secretion of honeydew (excreted through anus) occlude the stomatal openings of the leaves and thus hamper their normal physiological processes like photosynthesis and respiration. Deposition of honeydew on leaf surface also allows the growth of black mould which in turn proves detrimental to the plant life. Out of 620 plant viruses known, about 200 are transmitted by the aphids [6]. The green peach aphid *Aphis (Aphis) gossypii* Glover alone transmits more than 80 different viruses to its polyphagous feeding habits [7].

In India, Raychaudhuri [8] for the first time catalogued the food-plants of Indian Aphididae, later on, Chakrabarti and Sarkar [9] added 284 additional records of Indian aphid-host association. Ghosh and Ghosh [10] added few more aphid-plant associations. Since then, there are several reports that deal with the food plant records of the Indian aphids. Recently, Singh and Singh [3, 11-15] have initiated to compile the food plant records of the aphids in India and provided their biology, distribution, economic importance and taxonomy in brief. This series of publication is a comprehensive, systematic, up-to-date checklist of the recorded aphid

species of India, their host plants and relevant literature up to 15 February, 2017.

The tribe Aphidini is one of the two tribes of the subfamily Aphidinae (Aphididae: Hemiptera) which is the largest subfamily of the aphids being represented by 830 described species assigned to 33 genera in the world [16]. A decade ago, Ghosh and Ghosh [10] presented a comprehensive account of Indian Aphidini that includes taxonomic position, synonymmy, keys, descriptions of all available morphs, host plant association, biology, taxonomic affinity with related species, economic importance including natural enemy complex, distribution etc. of 50 species belonging to 8 genera. Additional 5 species were listed in aphid-host plant catalogue without their detailed description. Since then several new taxa were described, status of others were modified, and the publication of other nomenclatural decisions were made that were incorporated in the present contribution. At present, Indian Aphidini constitutes 70 described species under 9 genera. It is about 8.4% of the world Aphidini fauna. Among them 20 species are endemic.

In the present compilation, attempts were made to provide updated checklist of Indian Aphidini with the valid scientific names of the aphids as well as plants. Two websites that deal with the taxonomic information of the plants were scrutinized [17, 18]. At several places, their synonymies were also mentioned.

Host-plant relations of Aphidini

Table 1 shows that 940 plant species under 138 families are associated with Aphidni in India, out of which only 19 families are monocot. Following plant families are most suffered: Asteraceae (102 plant species), Fabaceae (96 plant species), Poaceae (92 plant species), Lamiaceae (46 plant species), Rosaceae (38 plant species), Solanaceae (34 plant species), Apocyanaceae (28 plant species), Rubiaceae (26 plant species), Malvaceae (25 plant species), Rutaceae (22 plant species), Cucurbitaceae (22 plant species), Polygonaceae (21 plant species), etc.

Out of 70 described species of Aphidini in India, 14 species are monophagous (Table 2) feeding on only one species of plants; 40 species are oligophagous (Table 3) infesting 2 to 20 plant species; and 8 species are moderately polyphagous infesting 21 to 55 plant species while 8 species are highly polyphagous feeding on 55 upto 569 plant species (Table 4). However, most of these records need a more closer and detail study as some plant species recorded as host for certain aphid species may be vagrant [9]. The trend of host plant association, biology, taxonomy, distribution etc. of Indian Aphidini are discussed earlier [10].

Since the publication of Fauna of India and adjacent countries, subfamily Aphidinae, Tribe Aphidini [10], 5 new species have been added (Table 5) though their validity is doubtful. Status of 6 species were corrected. Besides, 6 species were recorded for the first time from India and 4 species were placed with new combinations (Table 5).

This paper is the next one, in the series (after subfamilies Aiceoninae, Anoeciinae, Chaitophorinae and Drepanosiphinae [3], Macrosiphini [11], Calaphidinae [12] and Eriosomatinae [19] concerning the food plant catalogue of Indian Aphididae based on the survey of literature. In this paper, the food plants of all 69 species of Indian Aphidini assigned under 9 genera and 2 subtribes are aphid-wise catalogued. Aphid species marked with § seems to be invalid while species and plant species marked with * seems to be wrongly identified.

Table 1: Distribution of host plant species of Aphidini in different plant families.

Number of plant species	Number of plant families
1	57
2	19
3	14
4	10
5	7
6-10	16
11-20	3
21-30	6
34	1
38	1
46	1
92	1
96	1
102	1
Total: 940	Total: 138

Table 2: Monophagous species of Aphidini in India.

1. *Aphis (Aphis) astragali* Ossiannilsson, 1959
2. *Aphis (Aphis) eugeniae* van der Goot, 1917]
3. *Aphis (Aphis) frangulae* Kaltenbach, 1845
4. *Aphis (Aphis) hederae* Kaltenbach, 1843
5. *Aphis (Aphis) rubifolii* (Thomas, 1879)
6. *Aphis (Aphis) spinulosa* Das & Ghosh, 2003
7. *Aphis (Bursaphis) grossulariae* Kaltenbach, 1843
8. *Brachyunguis (Brachyunguis) harmalae* Das, 1918
9. *Brachyunguis (Brachyunguis) ?letsoniae* Das, 1918
10. *Hyalopterus*? *amygdali* (Blanchard, 1840)
11. *Melanaphis strobilanthi* Medda & Chakrabarti, 1992
12. *Rhopalosiphum cashivi* Sathe & Jadhav, 2008
13. *Rhopalosiphum kolhapurensis* Sathe & Jadhav, 2008
14. *Schizaphis (Schizaphis) minuta* (van der Goot, 1917)

Table 3: Oligophagous species of Aphidini in India.

Name of the aphid species	No. of food plants
1. *Aphis (Aphis) euphorbiae* Kaltenbach, 1843	2
2. *Aphis (Aphis) fabae evonymi* Fabricius, 1775	11
3. *Aphis (Aphis) paraverbasci* Chakrabarti, 1976 (1977)	2
4. *Aphis (Aphis) pollinosa* Walker, 1849	2
5. *Aphis (Aphis) polygonacea* Matsumura, 1 [185]	2
6. *Aphis (Aphis) rhoicola* Hille Ris Lambers, 1954	2
7. *Ephedraphis ephedrae* (Nevsky, 1929)	2
8. *Protaphis carthami* (Das, 1918)	2
9. *Melanaphis meghalayensis bengalensis* Raychaudhuri & Banerjee, 1974	2
10. *Melanaphis vulgari* Sathe & Jadhav, 2008	2
11. *Schizaphis (Schizaphis) hypersiphonata* Basu, 1969 (1970)	2
12. *Aphis (Aphis) acacae* Sathe & Jadhav, 2008	3
13. *Aphis (Aphis) clematidis simlaensis* Kumar & Burkhardt, 1970	3

14. *Aphis (Aphis) ruborum* (Börner, 1932)	3
15. *Melanaphis meghalayensis meghalayensis* Raychaudhuri & Banerjee, 1974	3
16. *Melanaphis pahanensis* (Takahashi, 1950)	3
17. *Rhopalosiphum oxyacanthae* (Schrank, 1801)	*3*
18. *Aphis (Aphis) glycines* Matsumura, 1 [185]	4
19. *Aphis (Aphis) rhamniphila* David, Narayanan & Rajasingh, 1971	*4*
20. *Aphis (Toxoptera) ambi* Sathe & Jadhav, 2008	4
21. *Brachyunguis (Brachyunguis) calotropicus* Menon & Pawar, 1958	4
22. *Melanaphis donacis* (Passerini, 1862)	4
23. *Melanaphis vandergooti* Raychaudhuri & Banerjee, 1974	4
24. *Aphis (Aphis) achyranthi* Theobald, 1929	5
25. *Aphis (Aphis) pomi* de Geer, 1773	5
26. *Aphis (Aphis) raji* (Kumar & Burkhardt, 1970)	5
27. *Melanaphis arundinariae* (Takahashi, 1937)	5
28. *Aphis (Aphis) farinosa* Gmelin, 1790	6
29. *Melanaphis bambusae* (Fullaway, 1910)	6
30. *Aphis (Aphis) affinis* del Guercio, 1911	7
31. *Aphis (Aphis) rumicis* Linnaeus, 1758	8
32. *Aphis (Aphis) punicae* Passerini, 1863	8
33. *Aphis (Aphis) longisetosa* Basu, 1969 (1970)	11
34. *Aphis (Aphis) verbasci* Schrank, 1801	12
35. *Aphis (Aphis) asclepiadis* Fitch, 1851	13
36. *Aphis (Aphis) kurosawai* Takahashi, 1921	15
37. *Aphis (Aphis) solanella* Theobald, 1914	15
38. *Schizaphis (Schizaphis) rotundiventris* (Signoret, 1860)	16
39. *Melanaphis sacchari* (Zehntner, 1897)	19
40. *Schizaphis (Schizaphis) graminum* (Rondani, 1847 (1852))	19

Table 4: Polyphagous species of Aphidini in India.

Name of the aphid species	No. of host plants
Moderate polyphagous species	
1. *Hyalopterus pruni* (Geoffroy, 1762)	21
2. *Aphis (Aphis) nerii* Boyer de Fonscolombe, 1841	34
3. *Rhopalosiphum nymphaeae* (Linnaeus, 1761)	*36*
4. *Rhopalosiphum padi* (Linnaeus, 1758)	39
5. *Aphis (Aphis) umbrella* (Börner, 1950)	42
6. *Aphis (Toxoptera) citricida* (Kirkaldy, 1907)	47
7. *Rhopalosiphum maidis* (Fitch, 1856)	51
8. *Rhopalosiphum rufiabdominalis* (Sasaki, 1899)	55
Highly polyphagous species	
1. *Aphis (Toxoptera) odinae* (van der Goot, 1917)	64
2. *Aphis (Aphis) nasturtii* Kaltenbach, 1843	92
3. *Hysteroneura setariae* (Thomas, 1878)	94
4. *Aphis (Aphis) fabae fabae* Scopoli, 1763	120
5. *Aphis (Toxoptera) aurantii* (Boyer de Fonscolombe, 1841)	177
6. *Aphis (Aphis) craccivora* Koch, 1854	200
7. *Aphis (Aphis) spiraecola* Patch, 1914	278
8. *Aphis (Aphis) gossypii* Glover, 1877	569

Table 5: Additions and alternations in the tribe Aphidini reorded in India after 2007 [10].

A. New species

1. *Aphis (Aphis) acacae* Sathe & Jadhav, 2008 (= *Aphis acacae* Sathe & Jadhav, 2008)
2. *Aphis (Toxoptera) ambi* Sathe & Jadhav, 2008 (= *Toxoptera ambi* Sathe & Jadhav, 2008)
3. *Melanaphis vulgari* Sathe & Jadhav, 2008
4. *Rhopalosiphum cashivi* Sathe & Jadhav, 2008
5. *Rhopalosiphum kolhapurensis* Sathe & Jadhav, 2008

B. New status

1. *Aphis (Aphis) asclepiadis* Fitch, 1851 (earlier considered as synonym of *Aphis (Aphis) nerii* Boyer de Fonscolombe, 1841)
2. *Aphis (Aphis) fabae evonymi* Fabricius, 1775 (earlier considered as synonym of *Aphis (Aphis) fabae* Scopoli, 1763)
3. *Aphis (Aphis) fabae fabae* Scopoli, 1763 (earlier considered as *Aphis (Aphis) fabae* Scopoli, 1763)
4. *Aphis (Aphis) frangulae* Kaltenbach, 1845 (earlier considered as synonym of *Aphis (Aphis) gossypii* Glover, 1877)
5. *Aphis (Aphis) ruborum* (Börner, 1932) (earlier considered as synonym of *Aphis (Aphis) longisetosa* Basu, 1969 (1970)
6. *Aphis (Aphis) solanella* Theobald, 1914 (earlier considered as subspecies of *Aphis (Aphis) fabae* Scopoli, 1763)

C. New records

1. *Aphis (Bursaphis) grossulariae* Kaltenbach, 1843
2. *Brachyunguis (Brachyunguis) harmalae* Das, 1918
3. *Brachyunguis (Brachyunguis)? letsoniae* Das, 1918
4. *Ephedraphis ephedrae* (Nevsky, 1929)
5. *Hyalopterus*? *amygdali* (Blanchard, 1840)
6. *Rhopalosiphum oxyacanthae* (Schrank, 1801)

D. New combinations (= synonym)

1. *Aphis (Toxoptera) aurantii* (Boyer de Fonscolombe, 1841) (=*Toxoptera aurantii* (Boyer de Fonscolombe, 1841)
2. *Aphis (Toxoptera) citricida* (Kirkaldy, 1907) (=*Toxoptera citricidus* (Kirkaldy, 1907)
3. *Aphis (Toxoptera) odinae* (van der Goot, 1917) (=*Toxoptera odinae* (van der Goot, 1917)
4. *Protaphis carthami* (Das, 1918) (= *Aphis (Protaphis) carthami* (Das, 1918))

Aphid - Food Plants record of Aphidini

The tribe Aphidini Latreille, 1802 is divided into two subtribes Aphidina Latreille, 1802 and Rhopalosiphina Mordvilko, 1914 on the basis of absence and presence of "rhopalosiphine' type projection on the frons just inner to the antennal socket. The world fauna of Aphidina consists of 22 genera and 724 valid species while the Rhopalosiphina includes 11 genera and 106 species [20-24]. Indian Aphidina consists of 45 species under 4 genera while Rhopalosiphina consists of 24 species under 5 genera. Updated checklist of food plants of three species, *Aphis (Aphis) craccivora* Koch [14], *Aphis (Aphis) gossypii* Glover [13] and *Aphis (Aphis) spiraecola* Patch [15] was provided by us recently, hence the following checklist of food plants of Aphidini, excludes these species.

I. Subtribe: Aphidina

1. *Aphis (Aphis) acacae* Sathe & Jadhav, 2008 §

- *Acacia catechu* (L.f.) Willd. (Fabaceae) [25]
- *Lablab purpureus* (L.) Sweet ssp. *purpureus* (=*Dolichos lablab* L.) (Fabaceae) [25]
- *Vigna unguiculata* (L.) Walp. ssp. *cylindrica* (L.) Verdc. (=*Vigna catjang* (Burm.f.) Walp.) (Fabaceae) [25]

2. *Aphis (Aphis) achyranthi* Theobald, 1929

- *Achyranthes bidentata* Blume (Amaranthaceae) [26]
- *Achyranthes* sp. (Amaranthaceae) [27]
- *Launaea nudicaulis* (Linn.) Hook. f. (Asreraceae) [28]
- *Parthenium hysterophorus* L. (Asteraceae) [28]
- *Punica granatum* L. (Punicaceae) [27, 29-34]

3. *Aphis (Aphis) affinis* Del Guercio, 1911

- *Epilobium hirsutum* L. (Onagraceae) [35]
- *Mentha aquatica* L. (Lamiaceae) [36]
- *Mentha arvensis* L. (Lamiaceae) [37]
- *Mentha sylvestris* L. (=*Mentha longifolia* (L.) Huds.) (Lamiaceae)[36, 38-41]
- *Mentha viridis* (L.) L. (=*Mentha spicata* L.) (Lamiaceae) [38, 41]
- *Ocimum basilicum* L. (Lamiaceae) [42]
- *Rubus ulmifolius* Schott (Rosaceae) [43]

4. *Aphis (Aphis) asclepiadis* Fitch, 1851

- *Asclepias* sp. (Apocynaceae) [27]
- *Asclepias viridis* Walter (=*Hoya viridis* auct. nonn.) (Apocynaceae) [27]
- *Calotropis gigantea* (L.) W.T. Aiton (Apocynaceae) [27, 44]
- *Calotropis procera* (Aiton) W.T. Aiton (Apocynaceae) [27, 44, 45]
- *Cryptostegia grandiflora* R. Br. (Apocynaceae (=Periplocaceae) [27]
- *Cynanchum dalhousiae* Wight (Apocynaceae) [27]
- *Pergularia extensa* N.E. Brown (=*Daemia extensa* (Jacq.) R. Br.) (Apocynaceae) [27, 44]
- *Dregea volubilis* (L.f.) Benth. ex Hook.f. (Apocynaceae) [27]
- *Hoya longifolia* Wall. ex Wight (Apocynaceae) [27]
- *Hoya* sp. (Apocynaceae) [41]
- *Leptadenia reticulata* (Retz.) Wight & Arn. (Apocynaceae) [27, 44]
- *Nerium oleander* L. (=*Nerium odorum* Aiton; *Nerium indicum* Mill.) (Apocyanaceae) [44]
- *Pergularia daemia* (Forssk.) Chiv. (Apocynaceae) [41]

5. *Aphis (Aphis) astragali* Ossiannilsson, 1959

- *Astragalus* sp. (Fabaceae) [46]

6. *Aphis (Aphis) clematidis simlaensis* Kumar & Burkhardt, 1970

- *Clematis buchananiana* DC. (Ranunculaceae) [43, 47]
- *Clematis* sp. (Ranunculaceae) [39, 48, 49]
- *Veronica agrestis* L. (Plantaginaceae) [39]

7. *Aphis (Aphis) craccivora* Koch, 1854

Aphis cracciovra is a polyphagous aphid and is a major pest of legume crops. The diversity of its host range in India includes plants belonging to over 200 species/subspecies under 46 plant families of which Asteraceae, Cucurbitaceae, Fabaceae and Solanaceae are most infested families [14].

8. *Aphis (Aphis) eugeniae* van der Goot, 1917

- *Dipsacus inermis* Wall. (Dipsacacea) [39, 50]

9. *Aphis (Aphis) euphorbiae* Kaltenbach, 1843

- *Euphorbia hirta* L. (Euphorbiaceae) [51]
- *Euphorbia* sp. (Euphorbiaceae) [32, 52]

10. *Aphis (Aphis) fabae evonymi* Fabricius, 1775

= *Aphis fabae evonymi* Fabricius, 1775 [27]
= *Aphis fabae* complex [53]

- *Benincasa hispida* (Thumb.) Cogn. (Cucurbitaceae) [27]
- *Centaurea* sp. (Asteraceae) [27]
- *Cestrum fasciculatum* (Schltdl.) Miers (Solanaceae) [27]
- *Chenopodium ravely* * (Chenopodiaceae) [27]
- *Cirsium arvense* (L.) Scop. (=*Cnicus arvensis* (L.) Roth) (Asteraceae) [27]
- *Debregeasia* sp. (Urticaceae) [53]
- *Eupatorium odoratum* L. (Asteraceae) [53]
- *Pyrus communis* L. (Rosaceae) [27]
- *Rumex dentatus* L. (Polygonaceae) [27]
- *Solanum nigrum* L. (Solanaceae) [27]
- *Vigna unguiculata* (L.) Walp. ssp. *cylindrica* (L.) Verdc. (=*Vigna catjang* (Burm.f.) Walp.) (Fabaceae) [27]

11. *Aphis (Aphis) fabae fabae* Scopoli, 1763

= *Aphis atriplicis* Linnaeus, 1758
= *Hyalopterus atriplicis* (Linnaeus, 1758)

- *Adenostemma viscosum* J.R. Forst. & G. Forst. (Asteraceae) [54, 55]
- *Aloe vera* (L.) Burm. F. (Xanthorrhoeaceae) [42]
- *Alternanthera philoxeroides* (Mart.) Griseb. (Amaranthaceae) [54]

- *Amaranthus cruentus* L. (= *Amaranthus paniculatus* L.) (Amaranthaceae) [9]
- *Amaranthus viridis* Desf. (Amaranthaceae) [56]
- *Anaphalis contorta* Hook.f. (Asteraceae) [56]
- *Anaphalis* sp. (Asteraceae) [57]
- *Asclepias curassavica* L. (Apocynaceae) [58]
- *Atriplex rosea* L. (Amaranthaceae) [59]
- *Bambusa* sp. (Poaceae) [60]
- *Benincasa hispida* (Thumb.) Cogn. (Cucurbitaceae) [27]
- *Beta vulgaris* L. (Chenopodiaceae) [61, 62]
- *Bidens bipinnata* L. (= *Bidens wallichii* DC.) (Asteraceae) [56]
- *Bidens pilosa* L. (Asteraceae) [63]
- *Capsicum annuum* L. (Solanaceae) [58, 63]
- *Capsicum frutescens* L. (Solanaceae) [64]
- *Cassia fistula* L. (Fabaceae) [33]
- *Catharanthus roseus* (L.) G. Don (=*Vinca rosea* L.) (Apocynaceae) [58]
- *Centaurea* sp. (Asteraceae) [27]
- *Cestrum fasciculatum* (Schltdl.) Miers (Solanaceae) [29, 34, 65-67]
- *Cestrum nocturnum* L. (Solanaceae) [41, 45, 64, 68, 69]
- *Cestrum* sp. (Solanaceae) [9, 57, 60]
- *Chenopodium album* L. (Amaranthaceae) [59, 62, 70]
- *Chenopodium ravely* * (Chenopodiaceae) [27]
- *Chenopodium* sp. (Chenopodiaceae) [67, 71]
- *Chrysanthemum* sp. (Asteraceae) [59]
- *Cirsium arvense* (L.) Scop. (=*Cnicus arvensis* (L.) Roth) (Asteraceae) [27, 59]
- *Citrus limetta* Risso. (Rutaceae) [25]
- *Citrus* sp. (Rutaceae) [72]
- *Clematis* sp. (Ranunculaceae) [58]
- *Clerodendrum viscosum* Vent. (Lamiaceae) [45, 64, 69]
- *Cnicus wallichii* Hook.f. (Asteraceae) [39, 54, 73]
- *Colocasia* sp. (Araceae) [58]
- *Cosmos* sp. (Asteraceae) [56]
- *Crotalaria pallida* Aiton (=*Crotalaria striata* DC.) (Fabaceae) [58]
- *Cuscuta reflexa* Roxb. (Convolvulaceae) [9]
- *Cyanotis axillaris* (L.) D. Don (Commelinaceae) [74]
- *Datura metel* L. (=*Datura fastuosa* L.) (Solanaceae) [43, 45, 64, 69]
- *Datura stramonium* L. (Solanaceae) [9]
- *Debregeasia* sp. *(*Urticaceae) [53]
- *Deutzia crenata* Siebold & Zucc. (Saxifragaceae) [61]
- *Dichrocephala integrifolia* (L.f.) Kuntze (=*Dichrocephala latifolia* (Pers.) DC.) (Asteraceae) [41]
- *Duabanga grandiflora* (Roxb. ex DC.) Walp. (=*Duabanga sonneratioides* Buch.-Ham.) (Sonneratiaceae) [75]
- *Eclipta prostrata* (L.) L. (=*Eclipta alba* (L.) Hassk.) (Asteraceae) [41, 63]
- *Erigeron* sp. (Asteraceae) [54]
- *Eugenia* sp. (Myrtaceae) [54]
- *Euonymus* sp. (Celastraceae) [61]
- *Eupatorium adenophorum* Spreng. (Asteraceae) [60]
- *Eupatorium odoratum* L. (Asteraceae) [53]
- *Eupatorium wallichii* DC. (Asteraceae) [54, 76]
- *Galinsoga parviflora* Cav. (Asteraceae) [54]
- *Geranium nepalense* Sweet (Geraniaceae) [9]
- *Glochidion heyneanum* (Wight & Arn.) Wight (=*Glochidion velutinum* Wight) (Phyllanthaceae (=Euphorbiaceae)) [9]
- *Helianthus annuus* L. (Asteraceae) [54, 59]
- *Hibiscus rosa-sinensis* L. (Malvaceae) [58, 60]
- *Impatiens balsamina* L. (Balsaminaceae) [43, 64, 77, 78]
- *Impatiens scabrida* DC. (Balsaminaceae) [43]
- *Ipomoea carnea* ssp. *fistulosa* (Mart. Ex Choisy) D.F. Austin (=*Ipomoea fistulosa* Mart. Ex Choisy) (Convolvulaceae) [42, 45, 64, 69]
- *Kalanchoe serrata* Mannoni & Boiteau (Crassulaceae) [42]
- *Lablab purpureus* (L.) Sweet ssp. *purpureus* (=*Dolichos lablab* L.) (Fabaceae) [60, 64, 79]
- *Lantana camara* L. (Verbenaceae) [43, 64, 76, 80]
- *Lindenbergia indica* (L.) Volke (Plantaginaceae (=Scrophulariaceae)) [41]
- *Lindenbergia urticaefolia* Lehm. (Plantaginaceae) [60]
- *Lycopersicon esculentum* Mill. (Solanaceae) [59]
- *Magnolia champaka* (L.) Baill. ex Pierre (=*Michelia champaka* L.) (Magnoliaceae) [58]
- *Malus sieversii* (Ledeb.) M. Roem. (Rosaceae) [9]
- *Marsdenia* sp. (Apocyanaceae) [9]
- *Matricaria chamomilla* L. (=*Matricaria recutita* (L.)) (Asteraceae) [59, 62]
- *Mirabilis jalapa* L. (Nyctaginaceae) [43, 54]
- *Momordica charantia* L. (Cucurbitaceae) [54, 65]
- *Mussaenda frondosa* L. (Rubiaceae) [64, 78]
- *Nerium oleander* L. (=*Nerium odorum* Aiton) (=*Nerium indicum* Mill.) (Apocyanaceae) [41, 54]
- *Nicotiana* sp. (Solanaceae) [52]
- *Nicotiana tabacum* L. (Solanaceae) [54]
- *Nyctanthes arbor-tristis* L. (Oleaceae) [52]
- *Papaver somniferum* L. (Papaveraceae)) [59]
- *Philadelphus coronarius* L. (Hydrangeaceae (=Philadelphaceae)) [61]
- *Punica granatum* L. (Punicaceae) [75]
- *Pyrus communis* L. (Rosaceae) [27]
- *Quercus* sp. (Fagaceae) [81]
- *Rhamnus napalensis* (Wall.) M.A. Lawson (Rhamnaceae) [54]
- *Rhamnus* sp. (Rhamnaceae) [57]
- *Rosa indica* Linn. (Rosaceae) [45, 64, 69]
- *Rubia cordifolia* L. (Rubiaceae) [54]
- *Rubus ellipticus* Sm. (Rosaceae) [60, 82]
- *Ruellia prostrata* Poir. (Acanthaceae) [52]
- *Rumex acetosella* L. (Polygonaceae) [39]
- *Rumex dentatus* L. (Polygonaceae) [27, 32]
- *Rumex hastatulus* Baldwin (Polygonaceae) [30, 32, 39, 69, 73]
- *Rumex nepalensis* Spreng. (Polygonaceae) [54, 58, 60]
- *Rumex* sp. (Polygonaceae) [9, 60, 76]
- *Sambucus javanica* Reinw. ex Blume (Adoxaceae (=Sambucaceae)) [54]
- *Saurauia nepalensis* de Candolle (Actinidiaceae) [63]
- *Schima wallichii* (DC.) Korth. (Theaceae) [54]
- *Senecio rufinervis* DC. (Asteraceae) [9]
- *Sida cordifolia* L. (Malvaceae) [63]
- *Solanum clavatum* Rusby (Solanaceae) [54]
- *Solanum melongena* L. (Solanaceae) [58, 64]
- *Solanum nigrum* L. (Solanaceae) [9, 64, 69, 75, 80]
- *Solanum* sp. (Solanaceae) [58, 83, 84]
- *Solanum torvum* Sw. (Solanaceae) [54]
- *Solanum tuberosum* L. (Solanaceae) [30, 61, 68]
- *Sonchus* sp. (Asteraceae) [39, 56]
- *Spiraea bella* Sims. (Rosaceae) [57]

- *Spiraea chanoldri* * (Rosaceae) [56]
- *Spiraea vacciniifolia* D. Don (Rosaceae) [9]
- *Strobilanthes atropurpureus* Nees (Acanthaceae) [57]
- *Styrax serrulatus* Roxb. (Styracaceae) [43]
- *Tagetes erecta* L. (Asteraceae) [45, 59, 64, 69, 70]
- *Tagetes patula* L. (Asteraceae) [58]
- *Tecoma* sp. (Bignoniaceae) [45]
- *Tecoma stans* (L.) Juss. ex Kunth (=*Tecoma stans* Griseb.) (Bignoniaceae) [42, 64, 69]
- *Urtica* sp. (Urticaceae) [82]
- *Vernonia cinerea* (L.) Less. (Asteraceae) [41, 60]
- *Veronica agrestis* L. (Plantaginaceae) [45]
- *Veronica anagallis-aquatica* L. (=*Veronica anagallis* L.) (Plantaginaceae) [64, 69]
- *Viburnum opulus* L. (Adoxaceae) [61]
- *Vicia faba* L. (Fabaceae) [41, 58, 60, 64, 69, 86]
- *Vigna unguiculata* (L.) Walp. ssp. *cylindrica* (L.) Verdc. (=*Vigna catjang* (Burm.f.) Walp.) (Fabaceae) [27, 54, 87]
- *Zinnia elegans* Jacq. (Asteraceae) [63]
- Unidentified plants: Fern Indet. [9], Poaceae [57], Solanaceae [88, 89]

12. *Aphis (Aphis) farinosa* Gmelin, 1790

= *Aphis farinosa yanagicola* Matsumura, 1917 [9, 90]

- *Populus ciliata* Wall. ex Royle (Salicaceae) [90]
- *Salix aegyptiaca* L. (Salicaceae) [36]
- *Salix alba* L. (Salicaceae) [91]
- *Salix babylonica* L. (Salicaceae) [36]
- *Salix caprea* L. (Saliaceae) [92]
- *Salix* sp. *(*Salicaceae) [90, 91, 93]

13. *Aphis (Aphis) frangulae* Kaltenbach, 1845

- *Anaphalis nepalensis* (DC.) Aswal (Asteraceae) [9]

14. *Aphis (Aphis) glycines* Matsumura, 1917

- *Centotheca lapp. alacea* (L.) Desvaux. (Poaceae) [42]
- *Cissampelos pareira* L. (Menispermaceae) [78]
- *Glycine max* (L.) Merrill. (=*Glaxina maxima* auct. nonn.) (Fabaceae) [41, 54, 58, 86]
- *Glycine wightii* (Wight & Arn.) Verdc. (Fabaceae) [42]

15. *Aphis (Aphis) gossypii* Glover, 1877

Aphis (Aphis) gossypii is highly polyphagous and its diversity of food plant in India is already catalogued by Singh *et al*. [13] that includes 569 plant species under 103 families. There are 11 most suffered plant families infested by it in India, viz. Asteraceae (77 plant species), Lamiaceae (45 plant species), Fabaceae (35 plant species), Solanaceae (29 plant species), Malvaceae (25 plant species), Cucurbitaceae (24 plant species), Rosaceae (22 plant species), Polygonaceae (16 plant species), Rubiaceae (14 plant species), Apocynaceae (12 plant species) and Acanthaceae (11 plant species) [13].

16. *Aphis (Aphis) hederae* Kaltenbach, 1843

- *Hedera* sp. (Araliaceae) [10]

17. *Aphis (Aphis) kurosawai* Takahashi, 1921

- *Artemisia annua* L. (Asteraceae) [42, 94]
- *Artemisia caruifolia* Buch.-Ham. Ex Roxb. (Asteraceae) [95]
- *Artemisia nilagirica* (Clarke) Pamp. (Asteraceae) [41]
- *Artemisia roxburghiana* Bess (Asteraceae) [9]
- *Artemisia* sp. (Asteraceae) [39, 57, 60, 86, 96-98]
- *Artemisia vulgaris* L. (Asteraceae) [32, 39, 54, 60, 63, 65, 75, 95, 99-102]
- *Buddleja* sp. (Scrophulariaceae) [43]
- *Chrysanthemum* sp. (Asteraceae) [102]
- *Daphne oleoides* Schreb (Chrymelleaceae) [40]
- *Daphne* sp. (Thymelacaceae) [46]
- *Eupatorium* sp. (Asteraceae) [95]
- *Helianthus annuus* L. (Asteraceae) [63, 102]
- *Parthenium hysterophorus* L. (Asteraceae) [42]
- *Rhododendron* sp. (Ericaceae) [39]
- *Rudbeckia tagetes* James (=*Rudbeckia tageteiodes* (auct.) (Asteraceae) [63]

18. *Aphis (Aphis) longisetosa* Basu, 1969 (1970)

= *Aphis (Aphis) ruborum longisetosus* Basu, 1969 (1970)
= *Aphis ruborum* (Börner, 1952) [86, 103]

- *Abelmoschus esculentus* (L.) Moench (=*Hibiscus esculentus* L.) (Malvaceae) [104]
- *Cucurbita moschata* Duchesne (Cucurbitaceae) [95]
- *Polygonum* sp. (Polygonaceae) [54]
- *Punica granatum* L. (Punicaceae) [82]
- *Rubus ellipticus* Sm. (Rosaceae) [32, 39, 53, 56-58, 63, 84, 86]
- *Rubus hirsutus* Thunb. (Rosaceae) [95]
- *Rubus lineatus* Reinw. ex Blume (Rosaceae) [31, 65]
- *Rubus plicatus* Weihe & Nees (=*Rubus fruticosus* L.) (Rosaceae) [58]
- *Rubus rosifolius* Sm. (=*Rubus rosaefolia* auct.) (Rosaceae) [54, 86]
- *Rubus* sp. (Rosaceae) [57]
- *Saussurea nepalensis* Sprengel. (Asteraceae) [87]

19. *Aphis (Aphis) nasturtii* Kaltenbach, 1843

- *Achyranthes aspera* L. (Amaranthaceae) [54, 105]
- *Adenanthera tomentosa** (Fabaceae) [43]
- *Arachis hypogaea* L. (Fabaceae) [105]
- *Brunella vulgaris* L. (Lamiaceae) [41]
- *Calamintha* sp. (Lamiaceae) [54, 105]
- *Calotropis* sp. (Apocynaceae (=Asclepiadaceae)) [54, 105]
- *Capsicum annuum* L. (Solanaceae) [54, 105]
- *Capsicum frutescens* L. (Solanaceae) [45, 54, 105]
- *Cestrum* sp. (Solanaceae) [32, 52, 105]
- *Chenopodium* sp. (Chenopodiaceae) [54, 105]
- *Chrysanthemum indicum* L. (Asteraceae) [45, 63]
- *Clematis* sp. (Ranunculaceae) [32, 39, 105]
- *Clerodendrum inerme* (L.) Gaertn. (Lamiaceae) [45, 69]
- *Clerodendrum* sp. (Lamiaceae) [105]
- *Clerodendrum viscosum* Vent. (Lamiaceae) [45, 54, 69, 105, 106]
- *Clinopodium* sp. (Lamiaceae) [41]
- *Coccinia grandis* (L.) Voigt. (=*Coccinia indica* Wight & Arn.; *Coccinia cordifolia* (L.) Cogn) (Cucurbitaceae) [75, 105]
- *Colocasia esculenta* (L.) Schott. (=*Colocasia antiquorum* Schott.) (Araceae) [54, 105]
- *Cotula* sp. (Asteraceae) [54, 105]
- *Crotalaria* sp. (Fabaceae) [54, 105]
- *Cucurbita pepo* L. (Cucurbitaceae) [32, 52, 105]
- *Cymbidium* sp. (Orchidaceae) [54, 105]
- *Cynoglossum* sp. (Boraginaceae) [54, 105]
- *Dahlia* sp. (Asteraceae) [54, 105]
- *Daphne involucrata* Wall. (Thymelacaceae) [32, 52, 105]
- *Datura stramonium* L. (Solanaceae) [107]

- *Dichrocephala integrifolia* (L.f.) Kuntze (=*Dichrocephala latifolia* (Pers.) DC.) (Asteraceae) [54, 105]
- *Dysophylla* sp. (Lamiaceae) [54, 105]
- *Elsholtzia* sp. (Lamiaceae) [9]
- *Eucalyptus globulus* Labill. (Myrtaceae) [95]
- *Eucalyptus* sp. (Myrtaceae) [54, 60, 101, 105]
- *Eupatorium glandulosum* Michx. (Asteraceae) [54, 78, 105]
- *Eupatorium odoratum* L. (Asteraceae) [54, 105]
- *Euphorbia clarkeana* Hook.f. (Euphorbiaceae) [9]
- *Fagopyrum dibotrys* (D.Don) H. Hara (=*Fagopyrum cymosum* (Trev.) Meisn) (Polygonaceae) [108]
- *Fagopyrum esculentum* Moench (Polygonaceae) [68]
- *Fagopyrum* sp. (Polygonaceae) [54, 105]
- *Ficus* sp. (Moraceae) [54, 105]
- *Gardenia jasminoides* J. Ellis (=*Gardenia Florida* L.) (Rubiaceae) [54, 105]
- *Gnaphalium* sp. (Asteraceae) [9]
- *Gonostegia hirta* (Hassk.) Miq. (=*Pouzolzia hirta* Blume ex Hassk.) (Urticaceae) [54, 105]
- *Hibiscus rosa-sinensis* L. (Malvaceae) [45, 54, 105]
- *Hypericum patulum* Thunb. (Hypericaceae) [54, 105]
- *Hypericum uralum* Buch.-Ham. Ex D. Don (Hypericaceae) [9]
- *Hypochaeris radicata* L. (Asteraceae) [54, 105]
- *Impatiens balsamina* L. (Balsaminaceae) [54, 105]
- *Ipomoea batatas* (L.) Lam. (Convolvulaceae) [54, 105]
- *Ipomoea hederacea* Jacq. (Convolvulaceae) [54, 105]
- *Ixora coccinea* L. (Rubiaceae) [52]
- *Justicia procumbens* L. (Acanthaceae) [9]
- *Justicia simplex* D. Don (Acanthaceae) [9]
- *Lantana camara* L. (Verbenaceae) [45, 54, 105]
- *Luffa aegyptiaca* Mill. (=*Luffa cylindrica* M. Roem.) (Cucurbitaceae) [45. 69]
- *Lycopersicon esculentum* Mill. var. *esculentum* (=*Lycopersicon lycopersicum* (L.) H. Karst.) (Solanaceae) [105]
- *Magnolia champaka* (L.) Baill. ex Pierre (=*Michelia champaka* L.) (Magnoliaceae) [54, 63, 95, 101, 105]
- *Melastoma indica** (Melastomaceae) [60, 95]
- *Mentha arvensis* L. (Lamiaceae) [10, 30, 32, 39, 54, 105]
- *Mentha* sp. (Lamiaceae) [54, 105]
- *Momordica charantia* L. (Cucurbitaceae) [45, 60, 95]
- *Montanoa bipinnatifida* (Kunth) K. Koch (Asteraceae) [54, 105]
- *Osbeckia capitata* Bentm. Ex Naudin (Melastomaceae) [41]
- *Osbeckia chinensis* L. (Melastomaceae) [60, 95, 109]
- *Oxalis corniculata* L. (Oxalidaceae) [58]
- *Oxalis* sp. (Oxalidaceae) [54, 105]
- *Perilla fructescens* (L.) Britton (=*Perilla ochymoides* L.) (Lamiacea) [54, 105]
- *Persicaria nepalensis* (Meisn.) H. Gross (=*Polygonum nepalense* Meisn.) (Polygonaceae) [9]
- *Persicaria perfoliata* (L.) H. Gross (=*Polygonum perfoliatum* L.) (Polygonaceae) [54, 105]
- *Plantago major* L. (Plantaginaceae) [54, 105]
- *Polygonum runcinatum* Buch.-Ham. ex D. Don (Polygonaceae) [60]
- *Polygonum* sp. (Polygonaceae) [46]
- *Prunella vulgaris* L. (Lamiaceae) [32, 99, 105]
- *Psidium guajava* L. (=*Syzygium guajava* auct. nonn.) (Myrtaceae) [45, 69]
- *Rorippa indica* (L.) Hiern (=*Nasturtium indicum* (L.) DC.) (Brassicaceae) [54, 105]
- *Schima wallichii* (DC.) Korth. (Theaceae) [58]
- *Senecio rufinervis* DC. (Asteraceae) [9]
- *Sesamum indicum* L. (Pedaliaceae) [58]
- *Shorea robusta* C.F. Gaertn. (Dipterocarpaceae) [54, 105]
- *Sida* sp. (Malvaceae) [54, 105]
- *Solanum melongena* L. (Solanaceae) [45, 54, 105]
- *Solanum nigrum* L. (Solanaceae) [57]
- *Spermadictyon sauveolens* Roxb. (=*Hamiltonia sauveolens* auct. nonn.) (Rubiaceae) [108]
- *Strobilanthes atropurpureus* Nees (Acanthaceae) [32]
- *Strobilanthes* sp. (Acanthaceae) [54, 105]
- *Tagetes patula* L. (Asteraceae) [63]
- *Tectona grandis* L.f. (Lamiaceae (=Verbenaceae)) [53, 101]
- *Tibouchina semidecandra* (Schrank & Mart. Ex DC.) Cogn. (Melastomaceae) [54, 80, 105]
- *Toddalia viscosa** (Rutaceae) [54, 105]
- *Torenia* sp. (Linderniaceae (=Scrophulariaceae)) [54, 105]
- *Vaccinium griffithianum* Wight (Ericaceae) [54, 105]
- *Woodfordia fruticosa* (L.) Kurz (Lythraceae) [54, 105]
- *Xanthochymus ovalifolius* Bedd. (Clusiaceae (=Guttiferae)) [105]
- *Zinnia elegans* Jacq. (Asteraceae) [54, 78, 105]
- Undet.: Lamiaceae [32]

20. *Aphis (Aphis) nerii* Boyer de Fonscolombe, 1841

= *Myzus nerii* Boyer de Fonsc. [110]

=*Aphis asclepiadis* Fitch [69, 111]

- *Asclepias curassavica* L. (Apocynaceae) [32, 54, 58, 76, 86, 99]
- *Asclepias* sp. (Apocynaceae) [60, 95, 112]
- *Bryophyllum pinnatum* (Lam.) Oken (Crassulaceae) [42, 45, 113]
- *Calotropis gigantea* (L.) W.T. Aiton (Apocynaceae) [32, 34, 66, 75, 83, 111, 114-120]
- *Calotropis procera* (Aiton) W.T. Aiton (Apocynaceae) [32, 52, 69, 121-124]
- *Calotropis* sp. (Apocynaceae) [54, 75, 84, 86, 113]
- *Catharanthus roseus* (L.) G. Don (*Vinca rosea* L.) [59]
- *Citrus limon* (L.) Osbeck (=*Citrus limonium* (L.) ?) [59]
- *Cryptostegia grandiflora* R. Br. (Apocynaceae (=Periplocaceae)) [114]
- *Cucurbita moschata* Duchesne (Cucurbitaceae) [95]
- *Dregea volubilis* (L.f.) Benth. ex Hook.f. (=*Marsdenia volubilis* Cooke) (Apocynaceae) [42]
- *Duranta erecta* L. (=*Duranta plumieri* Jacq.; *Duranta repens* L.) (Verbenaceae) [41, 122]
- *Gomphocarpus physocarpus* E. Mey. (=*Asclepias physocarpa* (E. Mey.) Schltr.) (Apocynaceae) [42]
- *Gomphocarpus* sp. (Apocynaceae) [59]
- *Gymnema sylvestre* (Retz.) R.Br. ex Sm. (Apocynaceae) [42]
- *Holostemma anularis* Schum. (Apocyanaceae) [42]
- *Holostemma ada-kodien* Schult. (=*Holostemma annularis* Schum.) (Apocynaceae) [42]
- *Inula cuspidata* C.B. Clarke (Asteraceae) [41]
- *Leptadenia reticulata* (Retz.) Wight & Arn. (Apocynaceae) [42]
- *Leptadenia reticulata* (Retz.) Wight & Arn. (Apocynaceae) [42]
- *Lyonia ovalifolia* (Wall.) Drude (=*Pieris ovalifolis* (Wall. D. Don)) (Ericaceae) [32, 41, 99]
- *Marsdenia ivolubilis* Cooke (Apocyanaceae) [42]

- *Marsdenia* sp. (Apocyanaceae) [9]
- *Nerium oleander* L. (=*Nerium odorum* Aiton; *Nerium indicum* Mill.) (Apocyanaceae) [32,54, 58, 76, 117, 121]
- *Nerium* sp. (Apocyanaceae) [75, 125]
- *Pergularia daemia* (Forssk.) Chiov.(=*Pergularia extensa* (Jacq.) N.E. Br., =*Daemia extensa* (Jacq.) R. Br.) (Apocynaceae) [34, 42]
- *Pergularia* sp. (Apocynaceae) [114]
- *Raphanus sativus* L. (Brassicaceae) [126]
- *Rumex* sp. (Polygonaceae) [43]
- *Solanum melongena* L. (Solanaceae) [42, 45, 69]
- *Triticum aestivum* L. (Poaceae) [62]
- *Tylophora indica* (Burm. f.) Merill. (=*Tylophora asthmatica* Wight & Arn.) (Apocynaceae) [42, 116, 117]
- *Verbascum thapsus* L. (Scrophulariaceae) [35]
- *Zea mays* L. (Poaceae) [59]
- Undet.: Apocynaceae [127]

21. *Aphis (Aphis) paraverbasci* Chakrabarti, 1976 (1977)
- *Buddleja* sp. (Scrophulariaceae) [128]
- *Debregeasia* sp. (Urticaceae) [128]
- Unidentified plants (Labiateae) [129, 130]

22. *Aphis (Aphis) pollinosa* Walker, 1849 (nom. dub.) [34]
- *Epilobium hirsutum* L. (Onagraceae) [39]
- *Epilobium* sp. (Onagraceae) [46]

23. *Aphis (Aphis) polygonacea* Matsumura, 1 [185]
- *Rumex acetosella* L. (Polygonaceae) [30, 39, 54, 86]
- *Launaea nudicaulis* (Linn.) Hook. f. (Asteraceae) [52]

24. *Aphis (Aphis) pomi* de Geer, 1773
- *Malus domestica* Borkh. (=*Pyrus malus* L.) (Rosaceae) [30, 36]
- *Parthenium hysterophorus* L. (Asteraceae) [52]
- *Prunus* sp. (Rosaceae) [46]
- *Punica granatum* L. [131]
- *Pyrus* sp. (Rosaceae) [27, 132]

25. *Aphis (Aphis) punicae* Passerini, 1863
- *Colocasia* sp. (Araceae) [27]
- *Duranta erecta* L. (Verbenaceae) [41, 122]
- *Duranta* sp. (Verbenaceae) [27]
- *Prunus cerasoides* D. Don (=*Prunus puddum* (Rox. Ex Ser.)) (Rosaceae) [29, 30]
- *Punica granatum* L. (Punicaceae) [27, 30, 34, 39, 58, 66, 73, 80, 86]
- *Salix hirsuta* L. (Salicaceae) [9]
- *Vitex negundo* L. (Lamiaceae) [27]
- *Vitis vinifera* L. (Vitaceae) [52]

26. *Aphis (Aphis) raji* (Kumar & Burkhardt, 1970)
= *Longirostris raji* Kumar & Burkhardt, 1970 [48]
= *Aphis (Aphis) leptorhyncha* David, Sekhon & Bindra, 1970 [133]
- *Artemisia* sp. (Asteraceae) [9]
- *Colebrookea oppositifolia* Sm. (Lamiaceae) [9]
- *Colquhounia coccinea* Wall. (Lamiaceae) [9]
- *Cyathula tomentosa* (Roth) Moq. (Amaranthaceae) [27, 39]
- *Salvia* sp. (Lamiaceae) [49]

27. *Aphis (Aphis) rhamniphila* David, Narayanan & Rajasingh, 1971
- *Chenopodium album* L. (Amaranthaceae) [52]
- *Rhamnus* sp. (Rhamnaceae) [9]
- *Rhamnus virgata* Roxb. (Rhamnaceae) [32]
- *Urtica* sp. (Urticaceae) [39]

28. *Aphis (Aphis) rhoicola* Hille Ris Lambers, 1954
- *Rumex dentatus* L. (Polygonaceae) [75]
- *Rumex* sp. (Polygonaceae) [39]

29. *Aphis (Aphis) rubifolii* (Thomas, 1879)
- *Rubus ellipticus* Sm. (Rosaceae) [52]

30. *Aphis (Aphis) ruborum* (Börner, 1932)
=*Aphis (Aphis) ruborum ruborum* (Börner, 1932)
- *Rubus ellipticus* Sm. (Rosaceae) [52, 73]
- *Rumex dentatus* L. (Polygonaceae) [52]
- *Rubus lineatus* Reinw. ex Blume (Rosaceae) [73]

31. *Aphis (Aphis) rumicis* Linnaeus, 1758
- *Benincasa hispida* (Thumb.) Cogn. (Cucurbitaceae) [110]
- *Cestrum nocturnum* L. (Solanaceae) [134]
- *Lablab purpureus* (L.) Sweet ssp. *purpureus* (=*Dolichos lablab* L.) (Fabaceae) [32, 119]
- *Rumex acetosella* L. (Polygonaceae) [41]
- *Solanum nigrum* L. (Solanaceae) [113]
- *Tabernaemontana divaricata* (L.) R.Br. ex Roem. & Schult (Apocynaceae) [28, 52,78]
- *Vigna unguiculata* (L.) Walp. ssp. *cylindrica* (L.) Verdc. (=*Vigna catjang* (Burm.f.) Walp.) (Fabaceae) [110]

32. *Aphis (Aphis)* nr. *rumicis* Linn., 1758
- *Rumex acetosella* L. (Polygonaceae) [41]

33. *Aphis (Aphis) solanella* Theobald, 1914
= *Aphis fabae solanella* Theobald, 1914 [32, 39, 52, 65, 80, 81, 84, 88, 89, 135-139]

= *Aphis solanella* Theobald, 1914 [29, 66, 74, 75, 83]
- *Cestrum fasciculatum* (Schltdl.) Miers (Solanaceae) [29, 30, 65, 66]
- *Cnicus wallichii* Hook.f. (Asteraceae) [39]
- *Dichrocephala integrifolia* (L.f.) Kuntze (=*Dichrocephala latifolia* (Pers.) DC.) (Asteraceae) [41]
- *Lantana camara* L. (Verbenaceae) [80]
- *Momordica charantia* L. (Cucurbitaceae) [65]
- *Nicotiana* sp. (Solanaceae) [52]
- *Punica granatum* L. (Punicaceae) [41]
- *Quercus* sp. (Fagaceae) [81]
- *Rumex acetosella* L. (Polygonaceae) [39]
- *Rumex dentatus* L. (Polygonaceae) [32]
- *Rumex hastatulus* Baldwin (Polygonaceae) [30, 32, 39]
- *Solanum nigrum* L. (Solanaceae) [27, 41, 65, 80]
- *Solanum* sp. (Solanaceae) [84]
- *Solanum tuberosum* L. (Solanaceae) [30]
- *Sonchus* sp. (Asteraceae) [39]

34. *Aphis (Aphis) spinulosa* Das & Ghosh, 2003 (homonym of *Aphis (Aphis) spinulosa* Essig & Kuwana [140], the specific name described by Das and Ghosh [141] is thus illegitimate and need a new name).
- Undet. plant [141]

35. *Aphis (Aphis) spiraecola* Patch, 1914
Aphis spiraecola is a polyphagous aphid and is a major pest of citrus apple and Mexican aster. The diversity of its host

range in India is catalogued recently by Singh and Singh [15] that includes plants belonging to 278 species/subspecies under 68 plant families out of which Asteraceae, Cucurbitaceae, Fabaceae, Lamiaceae, Malvaceae, Polygonaceae, Rosaceae, Rutaceae and Solanaceae were most infested families.

36. *Aphis (Aphis) umbrella* (Börner, 1950)
=*Aphis malvae* Koch, 1854 [27, 61, 115, 116, 125]

- *Abelmoschus esculentus* (L.) Moench (=*Hibiscus esculentus* L.) (Malvaceae) [27]
- *Abutilon indicum* (L.) Sweet (Malvaceae) [27]
- *Alcea rosea* L. (Malvaceae) [27]
- *Benincasa hispida* (Thumb.) Cogn. (Cucurbitaceae) [27]
- *Cineraria* sp. (Asteraceae) [27]
- *Citrullus lanatus* (Thunb.) Matsum. & Nakai var. *lanatus* (=*Citrullus vulgaris* Schrad. ex Eckl. & Zeyh) (Cucurbitaceae) [27]
- *Citrus aurantium* L. (Rutaceae) [27]
- *Coccinia grandis* (L.) Voigt. (=*Coccinia indica* Wight & Arn.) (Cucurbitaceae) [27]
- *Colocasia* sp. (Araceae) [27]
- *Convallaria majalis* L. (Liliaceae) [125]
- *Crotalaria juncea* L. (Fabaceae) [27]
- *Cucumis melo var. momordica* (Roxb.) Duthie & Fuller (Cucurbitaceae) [27]
- *Cucumis sativus* L. (Cucurbitaceae) [27]
- *Cucurbita maxima* Duchesne (Cucurbitaceae) [125]
- *Cucurbita moschata* Duchesne (Cucurbitaceae) [27]
- *Cucurbita pepo* L. (Cucurbitaceae) [27]
- *Cucurbita* sp. (Cucurbitaceae) [34, 115]
- *Dianthus caryophyllus* L. (Caryophyliaceae) [27]
- *Eriobotrya japonica* Lindl. (Rosaceae) [27]
- *Gossypium* sp. (Malvaceae) [27]
- *Hibiscus cannabinus* L. (Malvaceae) [27]
- *Hibiscus rosa-sinensis* L. (Malvaceae) [27]
- *Jasminum* sp. (Oleaceae) [27]
- *Lagenaria siceraria* (Molino) Standl. (=*Lagenaria leucantha* Duches.) (Cucurbitaceae) [27]
- *Leucas* sp. (Lamiaceae (=Labiatae)) [27]
- *Luffa acutangula* (L.) Roxb. (Cucurbitaceae) [27]
- *Malva sylvestris* L. (Malvaceae) [27]
- *Malvastrum coromandelianum* (L.) Garcke (=*Malvastrum tricuspidatum* A. Gray) (Malvaceae) [27]
- *Momordica charantia* L. (Cucurbitaceae) [27]
- *Nepeta* sp. (Lamiaceae) [27]
- *Peganum hirmala* L. (Nitrariaceae) [27]
- *Pyrus communis* L. (Rosaceae) [27]
- *Rosa* sp. (Rosaceae) [27]
- *Rubus ellipticus* Sm. (Rosaceae) [27]
- *Rudbeckia* sp. (Asteraceae) [27]
- *Salvia* sp. (Lamiaceae (=Labiatae)) [27]
- *Solanum nigrum* L. (Solanaceae) [27]
- *Trichosanthes cucumerina* var. *anguina* (L.) (=*Trichosanthes anguina* L.) (Cucurbitaceae) [27]
- *Trichosanthes dioica* Roxb. (Cucurbitaceae) [27]
- *Viola tricolor* L. (Violaceae) [27]
- *Withania somnifera* (L.) Dunal (Solanaceae) [27]
- *Woodfordia fruticosa* (L.) Kurz (=*Woodfordia floribunda* Salisb.) (Lythraceae) [27]

37. *Aphis (Aphis) verbasci* Schrank, 1801

- *Buddleja paniculata* Wall. (Scrophulariaceae) [10, 30, 32, 39]
- *Carduus nutans* L. (Asteraceae) [32]
- *Cedrus deodara* (Roxb. ex D. Don) G. Don (Pinaceae) [39]
- *Eriobotrya japonica* Lindl. (Rosaceae) [9]
- *Lantana camara* L. (Verbenaceae) [43]
- *Nicotiana* sp. (Solanaceae) [30, 31]
- *Polygonum alatum* Buch.-Ham. ex D. Don (Polygonaceae) [10, 30, 39]
- *Senecio chrysanthemoides* DC. (Asteraceae) [1030, 39]
- *Verbascum chinense* (L.) Santapau (=*Verbascum chinensis* auct. nonn.) (Scrophulariaceae) [108]
- *Verbascum* sp. (Scrophulariaceae) [9]
- *Verbascum thapsus* L. (Scrophulariaceae) [32, 39, 57, 82]
- Undet.: Lamiaceae [60]

38. *Aphis (Bursaphis) grossulariae* Kaltenbach, 1843
=*Aphis grossulariae* nr. *pollinosa* Walker, 1849 (nom. dub.) [20]

- *Epilobium hirsutum* L. (Onagraceae) [40]

39. *Aphis (Aphis)* sp.

- *Ageratum conyzoides* L. (Asteraceae) [44, 125]
- *Amberboa moschata* (L.) DC. (=*Centaurea moschata* L.) (Asteraceae) [88]
- *Artemisia vestita* Wall (Asteraceae) [39, 73]
- *Artemisia vulgaris* L. (Asteraceae) [75]
- *Benincasa hispida* (Thumb.) Cogn. (Cucurbitaceae) [75]
- *Brassica oleracea* var. *botrytis* L. (=*Brassica oleracea* var. *cauliflora* (misnomen.) (Brassicaceae) [75]
- *Camellia* sp. (Theaceae) [88]
- *Carthamus* sp. (Asteraceae) [27]
- *Carthamus tinctorius* L. (Asteraceae) [115]
- *Cestrum fasciculatum* (Schltdl.) Miers (Solanaceae) [75]
- *Cestrum nocturnum* L. (Solanaceae) [75, 83]
- *Citrus maxima* (Burm.) Merr. (Rutaceae) [142]
- *Convolvulus* sp. (Convolvulaceae) [75]
- *Dioscorea deltoidea* Wall. ex Kunth (Dioscoreaceae) [79]
- *Eupatorium* sp. (Asteraceae) [75]
- *Glochidion heyneanum* (Wight & Arn.) Wight (=*Glochidion velutinum* Wight) (Phyllanthaceae) [143]
- *Glycine max* (L.) Merr. (Fabaceae) [44, 125]
- *Lespedeza* sp. (Fabaceae) [36]
- *Malus domestica* Borkh. (=*Pyrus malus* L.) (Rosaceae) [27]
- *Mangifera indica* L. (Anacardiaceae) [27, 115]
- *Nicotiana tabacum* L. (Solanaceae) [132]
- *Perilla fructescens* (L.) Britton (Lamiaceae) [54, 133]
- *Phaseolus* sp. (Fabaceae) [134]
- *Psidium* sp. (Myrtaceae) [135]
- *Pyrus communis* L. (Rosaceae) [27]
- *Rubus moluccanus* L. (Rosaceae) [83, 136]
- *Rubus niveus* Thunb. (Rosaceae) [137]
- *Rubus* sp. (Rosaceae) [97]
- *Rumex* sp. (Polygonaceae) [143]
- *Salix elaeagnos* Scop. (=*Salix elegans* auct. non.) (Salicaceae) [10, 138]
- Undet. :Asteraceae [135], Verbenaceae [88]

40. *Aphis (Toxoptera) ambi* Sathe & Jadhav, 2008 §

- *Azadirachta indica* A. Juss. (=*Melia azadirachta* L.) (Meliaceae) [25]
- *Carica papaya* Linn. (Caricaceae) [25]
- *Mangifera indica* Linn. (Anacardiaceae) [25]
- *Syzygium cumini* L. (=*Eugenia jambolana* Lam.) (Myrtaceae) [25]

41. *Aphis (Toxoptera) aurantii* (Boyer de Fonscolombe, 1841)

= *Ceylonia theaecola* Buckton, 1891[110]
=*Toxoptera schlingeri* Tao, 1961[25, 76, 139]

- *Abelmoschus esculentus* (L.) Moench (Malvaceae) [140]
- *Acalypha* sp. (Euphorbiaceae) [27, 42, 105]
- *Acorus calamus* L. (Acoraceae) [105, 121]
- *Aegle marmelos* Correa (Rutaceae) [105, 121]
- *Ailanthus* sp. (Simaroubaceae) [105, 125, 139]
- *Albizzia odoratissima* (Koroi) (Fabaceae) [27, 105]
- *Alnus* sp. (Betulaceae) [54, 139]
- *Amaranthus* sp. (Amaranthaceae) [54, 139, 141]
- *Anacardium occidentale* L. (Anacardiaceae) [54, 72, 139]
- *Annona squamosa* L. (Annonaceae) [27, 34, 42, 105]
- *Ardisia* sp. (Myrsinaceae) [54, 105, 139]
- *Artabotrys hexapetalus* (L.f.) Bhandari (= *Artabotrys odoratissimus* R. Br. ex Ker Gawl.) (Annonaceae) [27, 144]
- *Artabotrys honkongensis* Hance (= *Artabotrys odoratissimus* Blume) [42]
- *Artemisia* sp. (Asteraceae) [60]
- *Artemisia vulgaris* L. (Asteraceae) [60]
- *Artocarpus altilis* (Parkinson) Fosberg (=*Artocarpus communis* J. R. Forst. & G. Forst.; *Artocarpus incisus* (L.) f. (Moraceae) [27, 34, 42]
- *Artocarpus heterophyllus* Lam. (=*Artocarpus heterophylla* Lamk.) (Moraceae) [27, 42, 121]
- *Artocarpus integrifolia* L.f. (Moraceae) [27, 54, 139, 145-147]
- *Artocarpus vulgaris* * (Moraceae) [60]
- *Artocarpus* sp. (Moraceae) [60, 72, 114, 139]
- *Aster* sp. (Asteraceae) [53]
- *Azadirachta* sp. (Meliaceae) [148]
- *Berberis* sp. (Berberidaceae) [32, 99]
- *Bidens bipinnata* L. (= *Bidens wallichii* DC.) (Asteraceae) [9]
- *Bidens pilosa* L. (Asteraceae) [9]
- *Bougainvillea glabra* Choisy (Nyctaginaceae) [54, 105, 139]
- *Bougainvillea* sp. (Nyctaginaceae) [139]
- *Bougainvillea spectabilis* Willd. (Nyctaginaceae) [54, 105, 139]
- *Caesalpinia coriaria* (Jacq.) Willd. (Fabaceae) [27, 149]
- *Callistemon linearis* (Schrad. & Wendl.) Sweet (Myrtaceae) [54, 105]
- *Camellia japonica* L. (Theaceae) [60, 139]
- *Camellia sikkimensis* * (Theaceae) [27, 54, 105]
- *Camellia sinensis* var. *assamica* (J.W. Mast.) Kitam. (= *Camellia theifera* Griff.) (Theaceae) [27, 42, 117]
- *Camellia sinensis* (L.) Kuntze (Theaceae) [54, 60, 72, 105, 134]
- *Camellia sinensis* (L.) Kuntze var. *sinensis* (=*Camellia thea* Link) (Theaceae) [150]
- *Camellia* sp. (Theaceae) [30, 54, 88, 114]
- *Carissa carandas* L. (Apocyanaceae) [27, 42, 117]
- *Cestrum fasciculatum* (Schltdl.) Miers (Solanaceae) [54, 105]
- *Cestrum nocturnum* L. (Solanaceae) [42, 60]
- *Cestrum* sp. (Solanaceae) [54, 60, 105, 139]
- *Citrus aurantiifolia* (Christm.) Swingle (Rutaceae) [125]
- *Citrus aurantium* L. (Rutaceae) [27, 105, 133]
- *Citrus limettioides* Tanaka (Rutaceae) [125]
- *Citrus limon* (L.) Burm.f. (Rutaceae) [27, 125]
- *Citrus limonia* Osbeck (Rutaceae) [147]
- *Citrus maxima* (Burm.) Merr. (Rutaceae) [27, 58, 125]
- *Citrus medica* L. (Rutaceae) [27, 58]
- *Citrus paradise* Macfad. (Rutaceae) [125]
- *Citrus reticulata* Blaneo (Rutaceae) [54, 105, 115, 134, 139]
- *Citrus sinensis* (L.) Osbeck (Rutaceae) [115, 125]
- *Citrus* sp. (Rutaceae) [54, 58, 63, 96, 105]
- *Coffea arabica* L. (Rubiaceae) [27, 42, 53, 151]
- *Combretum* sp. (Combretaceae) [63]
- *Dalbergia sissoo* Roxb. ex DC. (Fabaceae) [10]
- *Dendrobium chrysotoxum* Lindl. (Orchidaceae) [43]
- *Dodonaea viscosa* Jacq. (Sapindaceae) [63]
- *Engelhardtia spicata* Lesch. ex Blume (Juglandaceae) [54, 105, 139]
- *Eriobotrya japonica* (Thunb.) Lindl. (=*Photinia japonica* Benth. & Hook. f.) (Rosaceae) [27, 34]
- *Eucalyptus globules* Labill. (Myrtaceae) [60]
- *Eucalyptus* sp. (Myrtaceae) [54, 105]
- *Eugenia* sp. (Myrtaceae) [60]
- *Euodia fraxinifolia* Hook.f. (Rutaceae) [43, 152]
- *Eupatorium odoratum* L. (Asteraceae) [54, 105, 139, 141]
- *Euphorbia pulcherrima* Willd. ex Klotzsch (Euphorbiaceae) [54, 105]
- *Eurya japonica* Thunb. (Ternstroemiaceae) [54, 105, 139]
- *Eurya* sp. (Ternstroemiaceae) [60, 139, 152]
- *Fagopyrum* sp. (Polygonaceae) [54, 105, 139, 141]
- *Ficus heterophylla* L.f. (Moraceae) [54, 105, 125, 139]
- *Ficus* sp. (Moraceae) [54, 60, 76, 105, 139]
- *Ficus tomentosa* Roxb. ex Willd. (Moraceae) [63]
- *Gardenia jasminoides* J. Ellis (=*Gardenia florida* L.) (Rubiaceae) [54, 105, 139]
- *Glochidion* sp. (Phyllanthaceae (=Euphorbiaceae)) [54, 105, 139]
- *Gordonia obtusa* Wall. ex Wight & Arn. (Theaceae) [27, 34]
- *Grewia* sp. (Tiliaceae) [53]
- *Gynura nepalensis* DC. (Asteraceae) [54, 105, 139]
- *Gynura* sp. (Asteraceae) [141]
- *Hedyotis scandens* Roxb. (Rubiaceae) [54, 105]
- *Hedyotis* sp. (Rubiaceae) [58]
- *Helicteres isora* L. (Malvaceae (=Sterculiaceae)) [53]
- *Hibiscus rosa-sinensis* L. (Malvaceae) [42, 105, 125, 139]
- *Ilex* sp. (Aquifoliaceae) [58]
- *Indigofera* sp. (Fabaceae) [54, 105, 141]
- *Inula cappa* (Buch.-Ham. Ex D. Don) DC. (Asteraceae) [54, 105]
- *Ixora macrothyrsa* Teijsm. & Binn. (Rubiaceae) [53]
- *Ixora* sp. (Rubiaceae) [42]
- *Jacaranda mimosifolia* D. Don (Bignoniaceae) [60]
- *Jasminum* sp. (Oleaceae) [30, 39]
- *Justicia adhatoda* L. (=*Adhatoda vasica* Nees) (Acanthaceae) [139]
- *Lagerstroemia indica* L. (Lythraceae) [54, 105]
- *Lagerstroemia* sp. (Lythraceae) [54, 105, 139]
- *Lagerstroemia speciosa* (L.) Pers. (=*Lagerstroemia flos-reginae* Retz.) (Lythraceae) [58, 60]
- *Lantana camara* L. (Verbenaceae) [58]
- *Leea* sp. (Vitaceae (=Leeaceae)) [63]
- *Limonia acidisisma* L. (Rutaceae) [42]
- *Lindera* sp. (Lauraceae) [54, 105]
- *Litchi chinensis* Sonn. (Sapindaceae) [27, 54, 105, 139]
- *Litsea citrata* Blume (Lauraceae) [27, 145]
- *Litsea monopetala* (Roxb.) Pers. (=*Litsea polyantha* Juss.) (Lauraceae) [27, 54, 58, 105, 139]
- *Litsea salicifolia* Roxb. ex Nees (Lauraceae) [54, 105, 125, 139]
- *Litsea* sp. (Lauraceae) [139]

- *Loranthus* sp. (Loranthaceae) [60]
- *Lycopersicon esculentum* Mill. (Solanaceae) [60]
- *Lyonia ovalifolia* (Wall.) Drude (=*Pieris ovalifolis* (Wall. D. Don)) (Ericaceae) [54, 60, 105, 153]
- *Macleania cordifolia* Benth. (=*Macleania punctata* Hook.f.) (Ericaceae) [27, 34]
- *Maesa angustifolia* A. DC. (Maesaceae (=Myrsinaceae)) [139]
- *Maesa chisia* Buch.-Ham. ex D. Don (Maesaceae) [54, 60, 105, 139]
- *Maesa indica* (Roxb.) A. DC. (Maesaceae) [139]
- *Maesa macrophylla* Wall ex F.D. Clarke (Maesaceae) [54, 75, 105, 139]
- *Maesa* sp. (Maesaceae) [60, 53]
- *Magnolia champaka* (L.) Baill. ex Pierre (=*Michelia champaka* L.) (Magnoliaceae) [154]
- *Magnolia* sp. (Magnoliaceae) [54, 105, 139]
- *Malus domestica* Borkh. (=*Pyrus malus* L.) (Rosaceae) [60]
- *Mangifera indica* L. (Anacardiaceae) [27, 54, 58, 105, 139]
- *Manihot esculenta* ssp. *esculenta* Crantz. (=*Manihot utilissima* Pohl.) (Euphorbiaceae) [60]
- *Michelia* sp. (Magnoliaceae) [54, 60, 105, 139]
- *Momordica charantia* L. (Cucurbitaceae) [139]
- *Momordica cochinchinensis* (Lour.) Spreng. (Cucurbitaceae) [54, 105]
- *Momordica fernea** (Cucurbitaceae) [54, 105, 139]
- *Olea europaea* L. (Oleaceae) [60]
- *Olea* sp. (Oleaceae) [60]
- *Oncidium* sp. (Orchidaceae) [155]
- *Osbeckia chinensis* L. (=*Osbechia sinensis* auct. non.) (Melastomaceae) 141]
- *Osbeckia crinata* Benth. (Melastomaceae) [54, 105, 112, 139]
- *Panicum* sp. (Poaceae) [58]
- *Pergularia extensa* N.E. Brown (=*Daemia extensa* (Jacq.) R. Br.) (Apocynaceae) [125]
- *Phlogacanthus thyrsiflorus* (Roxb.) Nees (Acanthaceae) [139]
- *Piper nigrum* L. (Piperaceae) [54, 105]
- *Piper* sp. (Piperaceae) [27, 114]
- *Poa* sp. (Poaceae) [54, 105, 139]
- *Polyalthia* sp. (Annonaceae) [27]
- *Prunus cerasoides* D. Don (=*Prunus puddum* (Rox. Ex Ser.)) (Rosaceae) [54, 105, 139]
- *Prunus cerasus* L. (Rosaceae) [54, 105]
- *Prunus persica* (L.) Batsch (Rosaceae) [58, 60]
- *Prunus* sp. (Rosaceae) [39, 54, 105, 139, 154]
- *Pseudognaphalium luteoalbum* (L.) Hill. & Burtt (=*Gnaphalium luteoalbum* L.) (Asteraceae) [54, 105, 141]
- *Psidium guajava* L. (Myrtaceae) [54, 58, 105, 139]
- *Pyrus communis* L. (Rosaceae) [60, 154]
- *Pyrus* sp. (Rosaceae) [54, 105]
- *Quercus floribunda* Lindl. ex A. Campus (=*Quercus dialtata* Lindl. ex A. DC.) (Fagaceae) [54, 105, 139]
- *Quercus griffithii* Hook.f. & Thomson ex Miq. (Fagaceae) [155]
- *Quercus* sp. (Fagaceae) [54, 58, 105]
- *Rauvolfia* (= Rauwolfia) sp. (Apocyanaceae) [54, 105, 139]
- *Rauvolfia densiflora* Benth. (=*Rauwolfia densiflora* Benth. orth. var.) (Apocyanaceae) [54, 105, 139]
- *Rhamnus napalensis* (Wall.) M.A. Lawson (Rhamnaceae) [54, 105, 139]
- *Rhus chinensis* Mill. (=*Rhus semialata* Murray) (Anacardiaceae) [156]
- *Rhus* sp. (Anacardiaceae) [58]
- *Rosa canina* L. (Rosaceae) [54, 105, 139]
- *Rosa* sp. (Rosaceae) [60]
- *Rubus ellipticus* Sm. (Rosaceae) [105, 139, 141]
- *Saccharum officinarum* L. (Poaceae) [27, 149]
- *Santalum album* L. (Santalaceae) [27, 42, 125]
- *Sarcococca* sp. (Buxaceae) [60]
- *Schima* sp. (Theaceae) [60]
- *Schima wallichii* (DC.) Korth. (Theaceae) [54, 58, 60, 83, 96]
- *Senebiera* sp. (Brassicaceae) [60]
- *Sesamum indicum* L. (Pedaliaceae) [157]
- *Sida* sp. (Malvaceae) [58]
- *Sonchus arvensis* L. (Asteraceae) [141]
- *Sonchus* sp. (Asteraceae) [54, 147]
- *Spiraea* sp. (Rosaceae) [60]
- *Sterculia foetida* L. (Sterculiaceae) [60]
- *Sterculia* sp. (Sterculiaceae) [54, 60, 105]
- *Symplocos cratigeoides* Buch.-Ham. ex D. Don (Symplocaceae) [54, 105]
- *Symplocos lucida* (Thunb.) Siebold & Zucc. (=*Symplocos theifolia* D. Don) (Symplocaceae) [54, 105, 147]
- *Symplocos paniculata* (Thunb.) Miq. (Symplocaceae) [43, 152]
- *Symplocos spicata* Roxb. (Symplocaceae) [54, 105, 147]
- *Symplocos* sp. (Symplocaceae) [53, 152]
- *Tamarindus indica* L. (Fabaceae) [27, 42]
- *Tamarindus* sp. (Fabaceae) [53]
- *Toddalia asiatica* (L.) Lam. (=*Toddalia aculeata* Pers.) (Rutaceae) [54, 84, 105, 147]
- *Uncaria sessilifructus* Roxb. (Rubiaceae) [58]
- *Uvaria narum* Wall. (Annonaceae) [27, 144]
- *Viburnum* sp. (Adoxaceae) [54, 105]
- *Xylosma longifolia* Clos (Saliaceae (=Flacourticaceae)) [58]
- *Zanthoxylum armatum* DC. (=*Zanthoxylum alatum* Roxb.; *Zanthoxylum ornatum* auct. nonn.) (Rutaceae) [54, 105, 147]
- *Zanthoxylum* sp. (Rutaceae) [58]
- Undet.: Euphorbiaceae [53], Moraceae [127], Rutaceae [57]

42. *Aphis (Toxoptera) citricida* (Kirkaldy, 1907)

= *Myzus citricidus* Kirkaldy, 1907
= *Toxoptera citricidus* (Kirkaldy, 1907)
= *Aphis tavaresi* del Guercio, 1908 [27, 114]

- *Artabotrys hexapetalus* (L.f.) Bhandari *(=Artabotrys odoratissima* R.Br. ex Ker Gawl.) (Annonaceae) [42]
- *Artocarpus altitis* (Park.) Fosberg. *(=Artocarpus incisus* L.f.) (Moraceae) [42]
- *Berberis* sp. (Berberidaceae) [54]
- *Boehmeria* sp. (Urticaceae) [54, 147]
- *Cassia* sp. (Fabaceae) [147]
- *Chamalcrista absus* (L.) H.S. Irwin & Barneby (=*Cassia absus* L.) (Fabaceae) [147]
- *Citrus aurantiifolia* (Christm.) Swingle (=*Citrus acida* Roxb.) (Rutaceae) [43, 54, 58, 95]
- *Citrus aurantium* L. (Rutaceae) [27, 32, 44, 54, 60, 95, 99]
- *Citrus karna* Raf. (Rutaceae) [58]
- *Citrus limon* (L.) Burm.f. (Rutaceae) [54, 58, 95, 27, 147]
- *Citrus maxima* (Burm.) Merr. (=*Citrus grandis* Osbeck) (Rutaceae) [44, 54, 125, 147, 158-160]
- *Citrus medica* L. (Rutaceae) [125]
- *Citrus ornatum** (Rutaceae) [54, 147]

- *Citrus paradise* Macfad. (Rutaceae) [125]
- *Citrus reticulata* Blanco (Rutaceae) [147, 161]
- *Citrus sinensis* Osbeck (Rutaceae) [125]
- *Citrus* sp. (Rutaceae) [30, 34, 39, 60, 72, 75, 83, 95, 114]
- *Coffea arabica* L. (Rubiaceae) [156]
- *Dianthus* sp. (Caryophyliaceae) [54, 147]
- *Engelhardtia spicata* Lesch. ex Blume (Juglandaceae) [54, 147]
- *Eurya japonica* Thunb. (Ternstroemiaceae) [54]
- *Gonostegia hirta* (Hassk.) Miq. (=*Pouzolzia hirta* Blume ex Hassk.) (Urticaceae) [54]
- *Ipomoea staphylina* Roem. & Schult. (Convolvulaceae) [53]
- *Limonia acidissima* L. (Rutaceae) [42]
- *Litsea monopetala* (Roxb.) Pers. (=*Litsea polyantha* Juss.) (Lauraceae) [147]
- *Loranthus* sp. (Loranthaceae) [54]
- *Maesa chisia* Buch.-Ham. ex D. Don (Maesaceae (=Myrsinaceae)) [147]
- *Magnolia* sp. (Magnoliaceae) [54]
- *Malus domestica* Borkh. (=*Pyrus malus* L.) (Rosaceae) [54, 147]
- *Mangifera indica* L. (Anacardiaceae) [58]
- *Michelia* sp. (Magnoliaceae) [54]
- *Nicotiana tabacum* L. (Solanaceae) [32, 162]
- *Passiflora foetida* L. (Passifloraceae) [54, 147]
- *Pyrus communis* L. (Rosaceae) [54, 147]
- *Quercus griffithii* Hook.f. & Thomson ex Miq. (Fagaceae) [155]
- *Quercus* sp. (Fagaceae) [54, 147]
- *Rhus khasiana* Hook.f. (Anacardiaceae) [43, 152]
- *Rhus* sp. (Anacardiaceae) [54, 60, 95, 147]
- *Rorippa indica* (L.) Hiern (=*Nasturtium indicum* (L.) DC.) (Brassicaceae) [54]
- *Rubia cordifolia* L. (Rubiaceae) [54]
- *Samanea saman* (Jacq.) Merr. (=*Pithecellobium saman* Jacq.) (Fabaceae) [53]
- *Schima wallichii* (DC.) Korth. (Theaceae) [147]
- *Solanum clavatum* Rusby (Solanaceae) [54]
- *Terminalia catappa* L. (Combretaceae) [42]
- *Viburnum foetidum* Wall. (Adoxaceae (=Caprifoliaceae)) [54]
- *Zanthoxylum armatum* DC. (=*Zanthoxylum alatum* Roxb.; *Zanthoxylum ornatum* auct. nonn.) (Rutaceae) [9, 54, 147]
- *Zanthoxylum* sp. (Rutaceae) [54, 147]

43. *Aphis (Toxoptera) odinae* (van der Goot, 1917)

= *Aphis odinae* (van der Goot, 1 [185]) [114, 144]

= *Longicaudus hameliae* Theobald, 1929 [27, 144, 163]

- *Abelmoschus esculentus* (L.) Moench (=*Hibiscus esculentus* L.) (Malvaceae) [54, 147]
- *Anacardium occidentale* L. (Anacardiaceae) [34, 42, 44, 54, 86]
- *Asclepias* sp. (Apocynaceae) [58]
- *Berberis* sp. (Berberidaceae) [54, 147]
- *Betula* sp. (Betulaceae) [58]
- *Camellia sinensis* (L.) Kuntze (Theaceae) [54, 147]
- *Cassia fistula* L. (Fabaceae) [54, 147]
- *Cassia* sp. (Fabaceae) [54, 147]
- *Citrus aurantium* L. (Rutaceae) [147]
- *Citrus* sp. (Rutaceae) [42, 63, 96]
- *Clerodendron serratum* Gaertn. (Verbenaceae) [42]
- *Coffea arabica* L. (Rubiaceae) [53]
- *Coffea* sp. (Rubiaceae) [44, 125]
- *Cuscuta cuscuta* Engelm. (=*Cuscutacea cuscuta* auct.) (Convolvulaceae) [43]
- *Datura metel* L. (=*Datura fastuosa* L.) (Solanaceae) [54, 147]
- *Duabanga grandiflora* (Roxb. ex DC.) Walp. (=*Duabanga sonneratioides* Buch.-Ham.) (Sonneratiaceae) [133]
- *Duranta erecta* L. (=*Duranta plumieri* Jacq.) (=*Duranta repens* L.) (Verbenaceae) [54, 58, 147]
- *Engelhardtia spicata* Lesch. ex Blume (Juglandaceae) [60]
- *Erythrina indica* Lam. (Fabaceae) [54, 60, 147]
- *Fagopyrum* sp. (Polygonaceae) [54, 147]
- *Gardenia jasminoides* J. Ellis (=*Gardenia florida* L.) (Rubiaceae) [54, 147]
- *Hamelia patens* Jacq. (Rubiaceae) [27, 114, 144, 163]
- *Hamelia* sp. (Rubiaceae) [42]
- *Hibiscus rosa-sinensis* L. (Malvaceae) [27, 42]
- *Lagerstroemia* sp. (Lythraceae) [54, 105, 147]
- *Lannea coromandelica* (Houtt) Merr. (=*Lannea woodier* prob. *Odina woodier* Roxb.) (Anacardiaceae) [27, 58, 114, 125]
- *Leea* sp. (Vitaceae) [147]
- *Lyonia ovalifolia* (Wall.) Drude (Ericaceae) [54]
- *Maesa chisia* Buch.-Ham. ex D. Don (Maesaceae (=Myrsinaceae)) [54, 147]
- *Magnolia* sp. (Magnoliaceae) [147]
- *Mangifera indica* L. (Anacardiaceae) [27, 34, 63, 69, 75, 114, 147]
- *Manilkara zapota* (L.) P. Royen) (=*Achras zapota* L.) (Sapotaceae) [27, 149]
- *Momordica charantia* L. (Cucurbitaceae) [54, 147]
- *Mussaenda erythrophylla* Schumach. & Thonn. (Rubiaceae) [42]
- *Mussaenda frondosa* L. (Rubiaceae) [42, 60, 69]
- *Nicotiana tabacum* L. (Solanaceae) [75]
- *Panax* sp. (Araliaceae) [27, 34]
- *Parkia timoriana* (DC.) Merr. (=*Parkia roxberghii* G. Don) (Fabaceae) [58]
- *Polygonum amplexicaule* D. Don (Polygonaceae) [54]
- *Potalia* sp. (Gentianaceae (=Portaliaceae)) [54]
- *Pyrus communis* L. (Rosaceae) [54, 147]
- *Quercus serrata* Thunb. (Fagaceae) [58]
- *Quercus* sp. (Fagaceae) [54]
- *Rhus chinensis* Mill. (=*Rhus semialata* Murray) (Anacardiaceae) [58, 75, 140, 147, 157]
- *Rhus* sp. (Anacardiaceae) [54, 60, 147]
- *Rotheca serrata* (L.) Steane & Mabb. (=*Clerodendrum serratum* (L.) Moon) (Verbenaceae) [42]
- *Schima wallichii* (DC.) Korth. (Theaceae) [54]
- *Senna siamea* (Lam.) H.S. Irwin & Barneby (=*Cassia siamea* Lam.) (Fabaceae) [63, 164]
- *Siegesbeckia* sp. (Asteraceae) [58]
- *Solanum clavatum* Rusby (Solanaceae) [54]
- *Spermadictyon sauveolens* Roxb. (=*Hamiltonia sauveolens* auct. nonn.) (Rubiaceae) [147]
- *Spiraea cantoniensis* Lour. (Rosaceae) [54]
- *Spondias dulcis* Parkinson (=*Spondias cytherea* Soun.) (Anacardiaceae) [58]
- *Spondias pinnata* (J. Koenig ex L. f.) Kurz (Anacardiaceae) [157, 165]
- *Sterculia* sp. (Sterculiaceae) [54, 147]
- *Symplocos spicata* Roxb. (Symplocaceae) [54, 147]
- *Tagetes patula* L. (Asteraceae) [54, 58, 60, 123, 147]
- *Toddalia asiatica* (L.) Lam. (=*Toddalia aculeata* Pers.)

(Rutaceae) [54, 147]
- *Toddalia* sp. (Rutaceae) [54]
- *Toxicodendron succedaneum* (L.) (=*Rhus succedanea* L.) (Anacardiaceae) [58, 60]
- *Viburnum foetidum* Wall. (Adoxaceae (=Caprifoliaceae)) [54, 125, 147]
- *Wendlandia glabrata* DC. (Rubiaceae) [159]
- *Zanthoxylum armatum* DC. (=*Zanthoxylum alatum* Roxb.; *Zanthoxylum ornatum* auct. nonn.) (Rutaceae) [54, 147]
- *Zanthoxylum* sp. (Rutaceae) [54]
- Unidentified plant (Anacardiaceae) [121]

44. *Aphis (Toxoptera)* sp.
- *Schoenoplectus lacustris* (L.) (=*Scirpus lacustris* L.) (Cyperaceae) [27]

45. *Brachyunguis (Brachyunguis) calotropicus* Menon & Pawar, 1958
- *Abutilon indicum* (L.) Sweet (Malvaceae) [66]
- *Calotropis gigantea* (L.) W.T. Aiton (Apocynaceae) [66, 118]
- *Calotropis procera* (Aiton) W.T. Aiton (Apocynaceae) [43, 126]
- *Calotropis* sp. (Apocynaceae) [27]

46. *Brachyunguis (Brachyunguis) harmalae* Das, 1918
- *Peganum hirmala* L. (Nitrariaceae) [27, 93]

47. *Brachyunguis (Brachyunguis)? letsoniae* Das, 1918
- *Argyreia scandens* * (Convolvulaceae) [27]

48. *Brachyunguis (Brachyunguis)* sp.
- *Calotropis gigantea* (L.) W.T. Aiton (Apocynaceae) [125]

49. *Ephedraphis ephedrae* (Nevsky, 1929)
- *Ephedra gerardiana* Wall. ex Stapf. (Ephedraceae) [9]
- *Ephedra* sp. (Ephedraceae) [93]

50. *Protaphis carthami* (Das, 1918)
=*Brachyunguis carthami* Das, 1918
- *Carthamus oxyacantha* Bieb. (=*Carthamus oxycarpi* misident.) (Asteraceae) [113]
- *Vernonia cinerea* (L.) Less. (Asteraceae) [34]

II. Subtribe: Rhopalosiphina

51. *Hyalopterus*? *Amygdali* (Blanchard, 1840)
= *Hyalopterus pruni amygdali* (Blanchard, 1840) [167]
- *Prunus armeniaca* L. (Rosaceae) [137]

52. *Hyalopterus pruni* (Geoffroy, 1762)
= *Hyalopterus arundinis* Fabricius, 1775 [27, 144, 151]
- *Arundo donax* L. (Poaceae) [27, 34, 42, 65]
- *Arundo* sp. (Poaceae) [121]
- *Brassica oleracea* L. (Brassicaceae) [102]
- *Canna indica* L. (=*Canna orientalis* Bouche) (Cannaceae) [58]
- *Chenopodium album* L. (Chenopodiaceae) [27, 144]
- *Coriandrum sativum* L. (Apiaceae) [27, 117]
- *Datura* sp. (Solanaceae) [27, 144]
- *Oenanthe javanica* ssp. *stolonifera* (Wall ex DC.) Murata (=*Oenanthe stolonifera* Wall ex DC.) (Apiaceae (=Umbelliferae)) [54]
- *Malus domestics* Borkh. (Rosaceae) [131]
- *Phaseolus vulgaris* L. (Fabaceae) [27, 144]
- *Phragmites australis* (Cav.) Trin. ex Steud. (=*Phragmites communis* Trin.) (Poaceae) [36, 168]
- *Phragmites karka* (Retz.) Trin. ex Steud. (Poaceae) [27, 58, 102]
- *Phragmites* sp. (Poaceae) [86]
- *Poa* sp. (Poaceae) [86]
- *Prunus armeniaca* L. (Rosaceae) [27, 75]
- *Prunus cerasus* L. (Rosaceae) [63, 81, 164]
- *Prunus domestica* L. (Rosaceae) [36, 58]
- *Prunus dulcis* (Mill.) D. A. Webb (=*Prunus amygdalus* Batsch) (Rosaceae) [159]
- *Prunus persica* (L.) Batsch (Rosaceae) [27, 58, 102, 143, 159]
- *Prunus* sp. (Rosaceae) [27, 86]
- *Rumex* sp. (Polygonaceae) [143]
- Unidentified plant (Poaceae) [169]

53. *Hysteroneura setariae* (Thomas, 1878)
= *Carolinaia (Hysteroneura) setariae* (Thomas, 1878) [170]
- *Andropogon bicolor* (Moench) Roxb. (Poaceae) [123]
- *Andropogon* sp. (Poaceae) [54, 105, 121]
- *Andropogon vulgaris* Raspail (Poaceae) [54, 171]
- *Apluda mutica* L. (Poaceae) [53]
- *Aristida adscensionis* L. (Poaceae) [53]
- *Arthraxon hispidus* (Thunb.) Makino (=*Arthraxon ciliaris* P. Beauv.) (Poaceae) [54]
- *Bambusa* sp. (Poaceae) [121]
- *Bothriochloa insculpta* (Hochst. ex A. Rich) A. Camus (Poaceae) [42, 171]
- *Bothriochloa* sp. (Poaceae) [9]
- *Brachiara* sp. (Poaceae) [57]
- *Carex* sp. (Cyperaceae) [60]
- *Cenchrus setiger* Vahl. (Poaceae) [42]
- *Chloris barbata* Sw. (=*Chloris inflata* Link) (Poaceae) [42, 123]
- *Chloris virgata* Sw. (Poaceae) [170]
- *Chlorophytum* sp. (Agavaceae) [42]
- *Chrysopogon aciculatus* (Retz.) Trin. (=*Andropogon aciculatus* Retz.) (Poaceae) [63, 172]
- *Chrysopogon* sp. (Poaceae) [9]
- *Cymbopogon* sp. (Poaceae) [42]
- *Cynodon dactylon* (L.) Pers. (Poaceae) [39, 54, 57, 60, 75, 95]
- *Cyperus procerus* Rottb. (= *Cyperus procarus* Rottb. misident.) [172]
- *Cyperus rotundus* L. (Cyperaceae) [42, 54]
- *Cyperus* sp. (Cyperaceae) [42, 171]
- *Dactyloctenium aegypticum* (L.) Willd. (=*Eleusine aegyptiaca* (L.) Desf.) (Poaceae) [42, 78, 171, 172]
- *Desmostachya bipinnata* (L.) Stapf. (Poaceae) [58]
- *Dichrocephala integrifolia* (L.f.) Kuntze (=*Dichrocephala latifolia* (Pers.) DC.) (Asteraceae) [54]
- *Digitaria ciliaris* (Retz.) Koeler (Poaceae) [43, 78, 105]
- *Digitaria longiflora* (Retz.) Pers. (Poaceae) [42, 171]
- *Digitaria* sp. (Poaceae) [9]
- *Echinochloa colona* (L.) Link (=*Panicum colonum* L.) (Poaceae) [58]
- *Echinochloa colona* (L.) Link (Poaceae) [9]
- *Echinochloa* sp. (Poaceae) [58]
- *Eleusine coracana* (L.) Gaertn. (Poaceae) [63, 53, 75, 123, 154, 171]
- *Eragrostis gangetica* (Roxb.) Steud. (Poaceae) [43]
- *Eragrostis major* Host. (Poaceae) [171]

- *Eragrostis tenuifolia* (Rich.) Hochst. ex Steud. (Poaceae) [53]
- *Eragrostis* sp. (Poaceae) [42]
- *Eulaliopsis binata* (Retz.) C. E. Hubb. (Poaceae) [173]
- *Hordeum vulgare* L. (Poaceae) [95]
- *Ischaemum nilagiricum* Hack. (Poaceae) [53]
- *Iseilema anthephoroides* Hack. (Poaceae) [105, 174]
- *Malus domestica* Borkh. (=*Pyrus malus* L.) (Rosaceae) [175]
- *Oplismenus burmannii* (Retz.) P. Beauv. (Poaceae) [78]
- *Oplismenus compositus* (L.) P. Beauv. (Poaceae) [54, 60, 135]
- *Oryza sativa* L. (Poaceae) [42, 170, 171]
- *Panicum notatum* Retz. (=*Panicum montanum* Roxb.) (Poaceae) [42, 54, 123, 171]
- *Panicum antidotate* Retz. (Poaceae) [42, 171]
- *Panicum plicatum* Lam. (Poaceae) [54]
- *Panicum prostratum* Lam. (=*Panicum prospatum* auct. nonn.) (Poaceae) [63]
- *Panicum repens* L. (Poaceae) [75]
- *Panicum* sp. (Poaceae) [57, 58, 78, 102, 121]
- *Paspalidium flavidum* (Retz.) A. Camus (=*Panicum flavidum* Pers.) (Poaceae) [42]
- *Paspalidium geminatum* (Forssk.) Stapf (Poaceae) [172]
- *Paspalum conjugatum* Bergius (=*Digitaria conjugata* Schult.) (Poaceae) [54]
- *Paspalum dialatum* Poir. (Poaceae) [60]
- *Paspalum legubium* * (Poaceae) [54]
- *Paspalum longifolium* Roxb. (Poaceae) [54]
- *Paspalum scrobiculatum* L. (Poaceae) [54, 60]
- *Paspalum* sp. (Poaceae) [60, 53]
- *Pennisetum glaucum* (L.) R. Br. (Poaceae) [52]
- *Pennisetum purpureum* Schumach. (Poaceae) [123]
- *Pennisetum setigerum* (Vahl.) Wipff. (=*Cenchrus setigerus* Vahl.) (Poaceae) [171]
- *Pennisetum* sp. (Poaceae) [42, 171]
- *Phragmites karka* (Retz.) Trin. ex Steud. (Poaceae) [43]
- *Plumbago zeylanica* L. (Plumbaginaceae) [53]
- *Poa annua* L. (Poaceae) [54]
- *Poa* sp. (Poaceae) [54, 60]
- *Prunus cerasoides* D. Don (Rosaceae) [54]
- *Prunus domestica* L. (Rosaceae) [54]
- *Prunus persica* (L.) Batsch (Rosaceae) [54, 135]
- *Prunus* sp. (Rosaceae) [48, 86]
- *Punica granatum* L. (Punicaceae) [54]
- *Saccharum officinarum* L. (Poaceae) [60, 53]
- *Saccharum spontaneum* L. (Poaceae) [42, 171]
- *Schoenoplectiella articulata* (L.) Lye (= *Scirpus articulatus* L.) (Cyperaceae) [52]
- *Setaria flavida* (Retz.) Veldkamp (=*Panicum flavidum* Retz.) (Poaceae) [171]
- *Setaria intermedia* Roem. & Schult. (= *Setaria tomentosa* (Roxb.) Kunth) (Poaceae) [172]
- *Setaria italica* (L.) P. Beauv. (Poaceae) [172]
- *Setaria palmifolia* (J. Koeing) Stapf (Poaceae) [43]
- *Setaria paniculifera* (Steud.) E. Fourn. ex Hemsl. (=*Setaria panicillata* auct. nonn.) (Poaceae) [9]
- *Setaria* sp. (Poaceae) [39]
- *Setaria sphacelata* (Schum.) Stapf & C.E. Hubb. (Poaceae) [42, 171]
- *Setaria verticillata* (L.) P. Beauv. (Poaceae) [53]
- *Sorghum bicolor* (L.) Moench subsp. *bicolor* (=*Sorghum vulgare* Pers.) (Poaceae) [42]
- *Spodiopogon rhizophorus* (Steud.) Pilger (Poaceae) [53]
- *Sporobolus indicus* (L.) R. Br. (Poaceae) [60, 172]
- *Sporobolus indicus* var. *flaccidus* (Roem. & Schult.) Veldkamp (=*Sporobolus diandrus* (Retz.) Beauv.) (Poaceae) [54, 53]
- *Sporobolus* sp. (Poaceae) [60]
- *Stachytarpheta* sp. (Verbenaceae) [53]
- *Stenosiphonium parviflorum* Anders. (Acanthaceae) [53]
- *Tridax procumbens* L. (Asteraceae) [53]
- *Tripogon jacquimontii* Stapf. (Poaceae) [105]
- *Triticum aestivum* L. (Poaceae) [58, 102, 105]
- *Triticum aestivum* ssp. *aestivum* L. (=*Triticum sativum* Lam.; *Triticum vulgare* Vill.) (Poaceae) [60, 121]
- *Zea mays* L. (Poaceae) [42, 105, 171]
- Unidentified plants (Poaceae) [48, 52, 86, 89]

54. *Melanaphis arundinariae* (Takahashi, 1937)

- *Arundinaria* sp. (Poaceae) [54, 176]
- *Bambusa* sp. (Poaceae) [54]
- *Chenopodium album* L. (Chenopodiaceae) 143]
- *Polygonum alatum* Buch.-Ham. ex D. Don (Polygonaceae) [102]
- *Pyrus pashia* Buch.-Ham. ex D. Don (Rosaceae) [43, 143, 177]

55. *Melanaphis bambusae* (Fullaway, 1910)

- *Arundinaria* sp. (Poaceae) [176]
- *Bambusa bambos* (L.) Voss (= *Bambusa arundinacea* (Retz.) Willd.) (Poaceae) [60, 95]
- *Bambusa multiplex* (Lowe.) Raeusch. ex Schult. & Schult.f. (= *Bambusa nana* Roxb.) (Poaceae) [43]
- *Bambusa* sp. (Poaceae) [54, 58, 86, 103, 125, 176]
- *Phyllostachys mannii* Gamble (Poaceae) [176]
- *Phyllostachys*ep. (Poaceae) [42]

56. *Melanaphis donacis* (Passerini, 1862)

= *Aphis donacis* Passerini, 1862 [27, 114]
= *Longiunguis donacis* (Passerini, 1862) [27, 76, 93, 149]

- *Arundo donax* L. (Poaceae) [34, 40, 42, 86, 93, 102, 114]
- *Bambusa* sp. (Poaceae) [58, 78, 86]
- *Phragmites* sp. (Poaceae) [57]
- Unidentified plants (Poaceae) [76, 177]

57. *Melanaphis meghalayensis bengalensis* Raychaudhuri & Banerjee, 1974

= *Melanaphis meghalayensis* Raychaudhuri & Banerjee, 1974 [178]

- *Arundinaria* sp. (Poaceae) [54, 86, 177]
- *Cuscuta reflexa* Roxb. (Convolvulaceae) [9, 178]

58. *Melanaphis meghalayensis meghalayensis* Raychaudhuri & Banerjee, 1974

- *Arundinaria* sp. (Poaceae) [68]
- *Bambusa multiplex* (Lowe.) Raeusch. ex Schult. & Schult.f. (= *Bambusa nana* Roxb.) (Poaceae) [63, 102]
- *Bambusa* sp. (Poaceae) [63, 102]

59. *Melanaphis pahanensis* (Takahashi, 1950)

- *Pennisetum purpureum* Schumach.(Poaceae) [179]
- *Pyrus communis* L. (Rosaceae) [179]
- *Pyrus pashia* Buch.-Ham. ex D. Don (=*Pyrus kumaoni* Decne.) (Rosaceae) [32, 177, 179]

60. *Melanaphis sacchari* (Zehntner, 1897)
= *Aphis sacchari* Zehntner, 1897 [113-115]
= *Longiunguis indosacchari* David, 1956a [27, 119]
= *Longiunguis sacchari* (Zehntner, 1897) [27, 44, 72, 75, 87, 121, 125, 127, 149, 179]
= *Melanaphis (Longiunguis) sacchari* (Zehntner, 1897) [27, 30, 180]
= *Melanaphis (Longiunguis) indosacchari* (David, 1956) [180]

- *Andropogon vulgaris* Raspail (Poaceae) [27, 30, 32, 34, 75, 113, 114, 177]
- *Anthistiria coromandeliana** (Poaceae) [63]
- *Arthraxon hispidus* (Thunb.) Makino (=*Arthraxon ciliaris* P. Beauv.) (Poaceae) [86, 177]
- *Echinochloa colona* (L.) Link (=*Panicum colonum* L.) (Poaceae) [27]
- *Eleusine coracana* (L.) Gaertn. (Poaceae) [27, 34]
- *Hordeum vulgare* L. (Poaceae) [115]
- *Iseilema laxum* Hack. (Poaceae) [27, 181]
- *Panicum miliaceum* L. (Poaceae) [58]
- *Panicum* sp. (Poaceae) [86, 177]
- *Pennisetum glaucum* (L.) R. Br. (=*Setaria glauca* (L.) P. Beauv.) (Poaceae) [69, 115, 125]
- *Pennisetum* sp. (Poaceae) [86, 177]
- *Poa* sp. (Poaceae) [54]
- *Rubia cordifolia* L. (Rubiaceae) [86, 177]
- *Saccharum officinarum* L. (Poaceae) [30, 32, 34, 86, 113, 177, 181]
- *Setaria italica* (L.) P. Beauv. (Poaceae) [125]
- *Sorghum bicolor* (L.) Moench. (Poaceae) [69, 182]
- *Sorghum halepanse* (L.) Pers. (Poaceae) [40]
- *Thysanolaena latofolia* (Roxb. ex Hornem.) Honda (=*Thysanolaena maxima* (Roxb.) Kuntz) (Poaceae) [9, 90]
- *Zea mays* L. (Poaceae) [27, 32, 54, 58, 81, 115, 119]
- Unidentified plants (Poaceae) [95, 127]

61. *Melanaphis strobilanthi* Medda & Chakrabarti, 1992

- *Strobilanthes* sp. (Acanthaceae) [179]

62. *Melanaphis vandergooti* Raychaudhuri & Banerjee, 1974

- *Gynura cusimbua* (D. Don) S. Moore (=*Gynura angulosa* DC.) (Asteraceae) [58]
- *Oryza sativa* L. (Poaceae) [86, 177]
- *Panicum paludosum* Roxb. (Poaceae) [102, 183]
- *Panicum repens* L. (Poaceae) [58]

63. *Melanaphis vulgari* Sathe & Jadhav, 2008 §

- *Sorghum bicolor* (L.) Moench. (=*Sorghum vulgare* Pers.) (Poaceae) [25]
- *Sorghum* sp. (Poaceae) [25]

64. *Melanaphis* sp.

- *Guizotia abyssinica* (L.f.) Cass. (Asteraceae) [44, 125]
- *Pyrus pashia* Buch.-Ham. ex D. Don (Rosaceae) [47]
- Unidentified plant (Poaceae) [143]

65. *Rhopalosiphum cashivi* Sathe & Jadhav, 2008 §

- *Anacardium occidentale* Linn. (Anacardiaceae) [25]

66. *Rhopalosiphum kolhapurensis* Sathe & Jadhav, 2008 §

- *Cajanus cajan* (L.) Millsp. (Fabaceae) [25]

67. *Rhopalosiphum oxyacanthae* (Schrank, 1801)
=*Rhopalosiphum insertum* (Walker, 1849)

- *Prunus armeniaca* L. [131]
- *Prunus domestica* L [131]
- *Prunus domestica* subsp. *insititia* (L.) Bonnier & Layens [131]

68. *Rhopalosiphum maidis* (Fitch, 1856)
= *Aphis adjusta* Zehntner, 1897 [110]
= *Siphonaphis maidis* (Fitch, 1856) [117]
= *Aphis maidis* Fitch, 1856) [83, 113-115, 144]

- *Andropogon bicolor* (Moench) Roxb. (Poaceae) [123]
- *Andropogon durus* (Trinius) Steud. (=*Andropogon durra* auct. nonn.) (Poaceae) [105]
- *Andropogon* sp. (Poaceae) [60, 83]
- *Andropogon vulgaris* Raspail (Poaceae) [27, 30, 32, 34, 49, 54, 72, 74, 75, 113, 114]
- *Avena sativa* L. (Poaceae) [27, 132, 184, 185]
- *Bromus catharticus* var. *catharticus* Vahl. (=*Bromus uniloides* Kunth) (Poaceae) [32]
- *Cajanus cajan* (L.) Millsp. (Fabaceae) [186]
- *Cenchrus ciliaris* L. (Poaceae) [27, 187]
- *Coix lachryma-jobi* L. (Poaceae) [168]
- *Cynodon dactylon* (L.) Pers. (Poaceae) [27, 54, 60, 95, 114]
- *Cyperus rotundus* L. (Cyperaceae) [27, 42, 186]
- *Dactyloctenium aegypticum* (L.) Willd. (Poaceae) [27, 34]
- *Dichanthium* sp. (Poaceae) [90]
- *Digitaria* sp. (Poaceae) [54]
- *Echinochloa colona* (L.) Link (Poaceae) [27, 34]
- *Echinochloa crus-galli* (L.) P. Beauv. (Poaceae) [27]
- *Echinochloa* sp. (Poaceae) [58]
- *Eleusine coracana* (L.) Gaertn. (Poaceae) [27, 32, 34, 54, 60, 75, 86, 95, 119, 132]
- *Eleusine indica* (L.) Gaertn. (Poaceae) [188]
- *Guizotia abyssinica* (L.f.) Cass. (Asteraceae) [27, 44, 125]
- *Hordeum vulgare* L. (Poaceae) [27, 30, 32, 54, 60, 66, 75, 96, 113, 119, 184]
- *Lycopersicon esculentum* Mill. (Solanaceae) [186]
- *Nicotiana tabacum* L. (Solanaceae) [32]
- *Oryza sativa* L. (Poaceae) [54, 63]
- *Panicum antidotale* Retz. (Poaceae) [27, 34, 187]
- *Panicum javanicum* Poir. (Poaceae) [27, 34]
- *Panicum miliaceum* L. (Poaceae) [102, 140]
- *Panicum* sp. (Poaceae) [113]
- *Paspalum scrobiculatum* L. (Poaceae) [29, 30]
- *Pennisetum glaucum* (L.) R. Br. (=*Setaria glauca* (L.) P. Beauv.) (Poaceae) [27, 34, 69, 121, 186]
- *Pennisetum purpureum* Schumach. (Poaceae) [188]
- *Pennisetum* sp. (Poaceae) [102]
- *Poa* sp. (Poaceae) [32, 54]
- *Polygonum runcinatum* Buch.-Ham. ex D. Don (Polygonaceae) [60, 95]
- *Potalia* sp. (Gentianaceae (=Portaliaceae)) [32]
- *Prunus cerasoides* D. Don (=*Prunus puddum* (Rox. Ex Ser.)) (Rosaceae) [54]
- *Prunus dulcis* (Mill.) D.A. Webb. (=*Prunus communis* (L.) Arcang.) (Rosaceae) [29, 30]
- *Saccharum officinarum* L. (Poaceae) [27, 32, 119]
- *Sagittaria sagittifolia* L. (Alismataceae) [83]
- *Setaria italica* (L.) P. Beauv. (Poaceae) [32, 54]
- *Setaria* sp. (Poaceae) [10, 30, 32, 39, 58, 60, 95]
- *Setaria verticillata* (L.) P. Beauv. (Poaceae) [27]
- *Silene conoidea* L. (Caryophyliaceae) [32, 189]
- *Solanum tuberosum* L. (Solanaceae) [30]

- *Sorghum bicolor* (L.) Moench. (=*Sorghum vulgare* Pers.) (Poaceae) [43, 69, 182, 186]
- *Sorghum halepensis* (L.) Pers. (= *Andropogon halepensis* (L.) Brot.) (Poaceae) [27, 113]
- *Terminalia Arjuna* (Roxb.) ex DC. Wight & Arn. (Combretaceae) [53]
- *Triticum aestivum* L. (Poaceae) [66, 75, 131]
- *Triticum aestivum* ssp. *aestivum* L. (=*Triticum vulgare* Vill; *Triticum sativum* Lam.) (Poaceae) [27, 32, 39, 48, 54, 60, 113, 119, 184]
- *Triticum* sp. (Poaceae) [30, 27, 27]
- *Zea mays* L. (Poaceae) [34, 66, 75, 102, 105, 113, 114, 119, 184]
- Unidentified plants (Poaceae) [57, 127, 189]

69. *Rhopalosiphum nymphaeae* (Linnaeus, 1761)

= *Siphonaphis nymphaeae* (Linnaeus, 1761) [27, 117]

= *Rhopalosiphum yoksumi* Ghosh, Basu & Raychaudhuri, 1971[20]

- *Aponogeton monocharia* L. (Aponogetonaceae) [27, 149, 190]
- *Canna indica* L. (Cannaceae) [58]
- *Cucurbita* sp. (Cucurbitaceae) [48]
- *Curcuma longa* L. (Zingiberaceae) [48, 80]
- *Dieffenbachia seguine* (Jacq.) Schott var. *seguine* (Araceae) [78]
- *Eichhornia crassipes* (Mart.)Solms (Pontederiaceae) [27, 34, 58, 149, 190]
- *Eichhornia* sp. (Commeliniaceae) [48, 75, 116, 168]
- *Epilobium hirsutum* L. (Onagraceae) [191]
- *Hydrilla* sp. (Hydrocharitaceae) [190, 192]
- *Laportea sp. (=Fleurya* sp.) (Urticaceae) [48]
- *Lemna* sp. (Araceae (=Lemnaceae)) [27]
- *Monochoria hastifolia* C. Presl. (Pontederiaceae) [63, 164]
- *Nelumbo nucifera* Gaertn. (=*Nelumbo speciosum* Willd.) (Nelumbonaceae) [27, 58, 102, 190]
- *Nymphaea alba* L. (Nymphaeaceae) [36]
- *Nymphaea lotus* L. (Nymphaeaceae) [42, 58, 190]
- *Nymphaea* sp. (Nymphaeaceae) [121]
- *Nymphoides cristata* (Roxb.) Kuntz. (Menyanthaceae) [58]
- *Ottelia alismoides* (L.) Pers. (Hydrocharitaceae) [75]
- *Pistia* sp. (Araceae) [42, 102]
- *Poa* sp. (Poaceae) [54, 60, 95, 101]
- *Prunus armeniaca* L. (Rosaceae) [58, 131]
- *Prunus cerasus* L. (Rosaceae) [58]
- *Prunus domestica* L. (Rosaceae) [54]
- *Prunus domestica* subsp. *insititia* (L.) Bonnier & Layens [131]
- *Prunus dulcis* (Mill.) D.A. Webb. (=*Prunus amygdalus* Batsc) (Rosaceae) [159]
- *Prunus persica* (L.) Batsch (Rosaceae) [27, 48, 54, 80, 102, 190]
- *Prunus* sp. (Rosaceae) [48, 54, 149]
- *Rosa* sp. (Rosaceae) [48, 137]
- *Sagittaria guayanensis* Kunth (Alismataceae) [75]
- *Sagittaria sagittifolia* L. (Alismataceae) [58, 75]
- *Salvinia molesta* D.S.Mitch. (Salviniaceae) [42]
- *Schoenoplectus lacustris* (L.) (=*Scirpus lacustris* L.) (Cyperaceae) [27, 190]
- *Senecio* sp. (Asteraceae) [102]
- *Trapa natans* var. *bispinosa* (Roxb.) Makino (=*Trapa bispinosa* Roxb.) (Lythraceae (=Trapaceae) [67, 125, 190]
- *Vallisneria* sp. (Hydrocharitaceae) [54, 192]
- *Vallisneria spiralis* L. (Hydrocharitaceae) [27, 34, 190]
- Undet. : Cactaceae [27, 190], Fabaceae [27, 125, 127, 190], Rosaceae [86]

70. *Rhopalosiphum padi* (Linnaeus, 1758)

= *Siphonaphis padi* (Linnaeus, 1758) [117]

- *Avena sativa* L. (Poaceae) [27, 30, 54, 86]
- *Bidens pilosa* L. (Asteraceae) [102]
- *Bothriochloa* sp. (Poaceae)[108]
- *Canna indica* L. (Cannaceae) [58]
- *Canna* sp. (Cannaceae) [57, 63]
- *Cymbopogon* sp. (Poaceae) [9]
- *Cyperus australis* Schrad. (Cyperaceae) [54]
- *Cyperus* sp. (Cyperaceae) [30]
- *Echinochloa colona* (L.) Link (Poaceae) [9]
- *Echinochloa crus-galli* (L.) P. Beauv. (=*Panicum crus-galli* L.) (Poaceae) [27]
- *Edgeworthia grandenri* Meissn. (=*Edgeworthia grandii* auct. nonn.) (Thymelaeaceae) [60]
- *Eleusine coracana* (L.) Gaertn. (Poaceae) [54, 60, 95]
- *Hordeum vulgare* L. (Poaceae) [30, 60, 193]
- *Oryza sativa* L. (Poaceae) [42, 102]
- *Panicum miliaceum* L. (Poaceae) [58]
- *Pennisetum pedicellatum* Trin. (Poaceae) [63]
- *Pennisetum* sp. (Poaceae) [102]
- *Phalaris aquatica* L. (=*Phalaris tuberose* L.) (Poaceae) [32, 39, 55]
- *Photinia notoniana* Wight & Arn. (Rosaceae) [54]
- *Poa annua* L. (Poaceae) [32, 54, 57, 194]
- *Poa* sp. (Poaceae) [54, 57, 194]
- *Polygonum* sp. (Polygonaceae) [102]
- *Prunus* sp. (Rosaceae) [48]
- *Scirpus* sp. (Cyperaceae) [38, 42]
- *Triticum aestivum* L. (Poaceae) [42, 66]
- *Triticum aestivum* ssp. *aestivum* L. (=*Triticum vulgare* Vill.) (Poaceae) [27, 54, 57, 194]
- *Triticum* sp. (Poaceae) [30, 54, 57, 86, 113, 194]
- *Vernonia cinerea* (L.) Less. (Asteraceae) [95]
- *Zea mays* L. (Poaceae) [27, 30, 32, 39, 54, 57, 60, 194],
- Undet.: Cannaceae [57], Poaceae [89, 95]

71. *Rhopalosiphum rufiabdominalis* (Sasaki, 1899)

- *Abies* sp. (Pinaceae) [55, 57]
- *Allium cepa* L. (Alliaceae) [54, 194]
- *Allium sativum* L. (Alliaceae) [54, 194]
- *Avena sativa* L. (Poaceae) [27, 30, 194]
- *Berberis* sp. (Berberidaceae) [54, 194]
- *Bidens pilosa* L. (Asteraceae) [57]
- *Carex lachryma** (Cyperaceae) [195]
- *Carex* sp. (Cyperaceae) [195]
- *Cynodon dactylon* (L.) Pers. (Poaceae) [27, 195]
- *Cyperus rotundus* L. (Cyperaceae) [121, 194]
- *Datura metel* L. (=*Datura fastuosa* L.) (Solanaceae) [54, 194]
- *Datura stramonium* L. (Solanaceae) [27]
- *Dianthus* sp. (Caryophyliaceae) [63, 164]
- *Drymaria* sp. (Caryophyliaceae) [54, 194]
- *Echinochloa colona* (L.) Link (Poaceae) [27, 149, 195]
- *Eleusine coracana* (L.) Gaertn. (Poaceae) [27, 42, 149, 195]
- *Eragrostis* sp. (Poaceae) [27]
- *Hibiscus rosa-sinensis* L. (Malvaceae) [54, 194]
- *Hibiscus sabdariffa* L. (Malvaceae) [54, 194]
- *Hordeum vulgare* L. (Poaceae) [27, 30, 32, 44, 60, 66, 195]
- *Lablab purpureus* (L.) Sweet ssp. *purpureus* (=*Dolichos lablab* L.) (Fabaceae) [54, 194]
- *Lycopersicon esculentum* Mill. (Solanaceae) [54, 60, 95, 194]

- *Malva pusill* Sm. (=*Malva rotundifolia* L.) (Malvaceae) [63, 164]
- *Nerium oleander* L. (=*Nerium odorum* Aiton; *Nerium indicum* Mill.) (Apocyanaceae) [69, 186]
- *Nicotiana tabacum* L. (Solanaceae) [27]
- *Oryza sativa* L. (Poaceae) [27, 30, 54, 58, 63, 194, 195]
- *Osbeckia chinensis* L. (Melastomaceae) [95]
- *Paspalum* sp. (Poaceae) [195]
- *Petunia alba* Hort. Ex Ferg. & Ottl. (Solanaceae)[54, 125]
- *Petunia hybrida* Hort. Ex E. Vilm. (Solanaceae) [194]
- *Petunia* sp. (Solanaceae) [54, 194]
- *Poa annua* L. (Poaceae) [9]
- *Poa* sp. (Poaceae) [195]
- *Prunus cerasoides* D. Don (=*Prunus puddum* (Rox. Ex Ser.)) (Rosaceae) [54, 194]
- *Prunus persica* (L.) Batsch (Rosaceae) [54, 63, 194]
- *Prunus* sp. (Rosaceae) [54, 194]
- *Psidium guajava* L. (Myrtaceae) [58]
- *Pyrus communis* L. (Rosaceae) [48, 54, 125, 194]
- *Pyrus* sp. (Rosaceae) [54]
- *Rhododendron* sp. (Ericaceae) [54, 194]
- *Rubus ellipticus* Sm. (Rosaceae) [54, 194]
- *Saccharum officinarum* L. (Poaceae) [32]
- *Solanum aculeatissimum* Jack. (=*Solanum khasianum* Clarke) (Solanaceae) [54, 194]
- *Solanum tuberosum* L. (Solanaceae) [27, 31, 32, 54, 58, 194]
- *Sporobolus mysorensis* * (Poaceae) [195]
- *Stellaria media* (L.) Vill. (Caryophyliaceae) [54, 194]
- *Stellaria* sp. (Caryophyliaceae) [54, 194]
- *Sterculia* sp. (Sterculiaceae) [54]
- *Symplocos cratigeoides* Buch.-Ham. ex D. Don (Symplocaceae) [54, 194]
- *Triticum aestivum* L. (Poaceae) [66]
- *Triticum aestivum* ssp. *aestivum* L. (=*Triticum sativum* Lam.; *Triticum vulgare* Vill.) (Poaceae) [27, 32, 109, 121, 125, 195]
- *Triticum* sp. (Poaceae) [30, 194]
- *Viburnum* sp. (Adoxaceae) [54, 194]
- *Zea mays* L. (Poaceae) [32, 119]
- *Zizania latifolia* (Griseb.) Turcz. ex Stapf (Poaceae) [58]
- Undet.: Araceae [27], Chenopodiaceae [125, 127], Poaceae [189, 194, 195]

72. *Rhopalosiphum* sp.

- *Sorbus cashmiriana* Hedl. (Rosaceae) [91]

73. *Schizaphis (Schizaphis) graminum* (Rondani, 1847 (1852))

= *Toxoptera graminum* Rondani, 1847 (1852) [113, 114]

- *Andropogon vulgaris* Raspail (Poaceae) [27, 113, 149]
- *Arundo donax* L. (Poaceae) [102]
- *Avena sativa* L. (Poaceae) [27, 30]
- *Bambusa* sp. (Poaceae) [102]
- *Cynodon dactylon* (L.) Pers. (Poaceae) [27]
- *Cyperus niveus* Retz. (Cyperaceae) [27]
- *Cyperus rotundus* L. (Cyperaceae) [27]
- *Dactyloctenium aegypticum* (L.) Willd. (=*Eleusine aegyptiaca* (L.) Desf.) (Poaceae) [172]
- *Dendrocalamus* sp. (Poaceae) [90]
- *Eleusine coracana* (L.) Gaertn. (Poaceae) [27, 34, 42, 114]
- *Hordeum vulgare* L. (Poaceae) [27, 30, 113]
- *Oryza sativa* L. (Poaceae) [30]
- *Pennisetum glaucum* (L.) R. Br. (=*Setaria glauca* (L.) P. Beauv.) (Poaceae) [69, 182]
- *Poa* sp. (Poaceae) [76]
- *Sorghum halepanse* (L.) Pers. (Poaceae) [68]
- *Triticum aestivum* L. (Poaceae) [113, 131]
- *Triticum aestivum* ssp. *aestivum* L. (=*Triticum sativum* Lam.; *Triticum vulgare* Vill.) (Poaceae) [27, 34]
- *Triticum* sp. (Poaceae) [30, 114]
- *Zea mays* L. (Poaceae) [69, 182]
- Undet.: Poaceae [32, 189], Solanaceae [125, 127]

74. *Schizaphis (Schizaphis) hypersiphonata* Basu, 1969 (1970)

- *Cyperus exaltatus* Ritz. (Cyperaceae) [137]
- *Cyperus rotundus* L. (Cyperaceae) [196]
- Unidentified plant (Poaceae) [65]

75. *Schizaphis (Schizaphis) minuta* (van der Goot, 1917)

- Undet. plant [10]

76. *Schizaphis (Schizaphis) rotundiventris* (Signoret, 1860)

= *Schizaphis cyperi* van der Goot, 1917 [27, 125, 149, 145]
= *Schizaphis punjabipyri* (Das, 1918) [8, 197]
=*Schizaphis piricola punjabipyri* (Das, 1918) [75]
= *Toxoptera punjabipyri* Das, 1918 [27]

- *Crotalaria pallida* Aiton (=*Crotalaria striata* DC.) (Fabaceae) [58]
- *Cynodon dactylon* (L.) Pers. (Poaceae) [54, 86]
- *Cyperus exaltatus* Retz. (Cyperaceae) [54, 60, 86]
- *Cyperus procerus* Rottb. (Cyperaceae) [172]
- *Cyperus rotundus* L. (Cyperaceae) [27, 30, 34, 125]
- *Cyperus* sp. (Cyperaceae) [86]
- *Cyperus umbellatus* (Vahl) Benth. (Cyperaceae) [86]
- *Dactyloctenium aegypticum* (L.) Willd. (=*Eleusine aegyptiaca* (L.) Desf.) (Poaceae) [172]
- *Elaeis guineensis* Jacq. (Arecaceae) [42]
- *Lyonia ovalifolia* (Wall.) Drude (=*Pieris ovalifolis* (Wall. D. Don)) (Ericaceae) [75]
- *Poa* sp. (Poaceae) [54]
- *Prunus domestica* L. (Rosaceae) [27]
- *Pyrus communis* L. (Rosaceae) [27, 30, 32, 48, 54, 58, 75, 86, 175, 189]
- *Pyrus pashia* Buch.-Ham. ex D. Don (Rosaceae) [27, 30, 31]
- *Pyrus paspistia** (Rosaceae) [39]
- *Pyrus* sp. (Rosaceae) [27, 54]

77. *Schizaphis* sp.

- *Bothriochloa* sp. (Poaceae) [143]

Conclusion

In India, 9 genera and 70 species of aphids belonging to the tribe Aphidini (Subfamily: Aphidinae) are recorded so far, out of which 20 species are endemic. These aphids feed on 940 valid plant species belonging to 138 plant families. *Aphis (Aphis) gossypii* is highly polyphagous infesting 569 plant species followed by *Aphis (Aphis) spiraecola* (278 plant species), *Aphis (Aphis) craccivora* (200 plant species), *Aphis (Toxoptera) aurantii* (177 plant species), and *Aphis (Aphis) fabae fabae* (120 plant species). Asteraceae (102 plant species), followed by Fabaceae (96 plant species), Poaceae (92 plant species), Lamiaceae (46 plant species), Rosaceae (38 plant species), Solanaceae (34 plant species), Apocyanaceae (28 plant species), Rubiaceae (26 plant species), Malvaceae (25 plant species), Rutaceae (22 plant species), Cucurbitaceae (22 plant species), Polygonaceae (21

plant species), etc. Among them, several plant species are crops of agricultural and horticultural importance. The host plant of *Schizaphis (Schizaphis) minuta* is still not known. Thus the present checklist contributes to existing literature on Indian Aphidini (Aphidinae: Aphididae: Hemiptera) and their food plants that will help to identify hosts for several aphids' species from India.

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