



Fauna of India Checklist

A CHECKLIST OF TIPHIIDAE (INSECTA: HYMENOPTERA: VESPOIDEA) OF INDIA

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(Updated: June 2020)



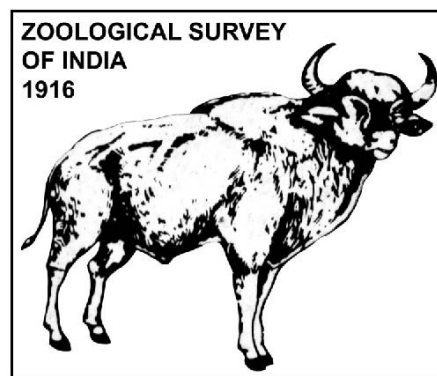
Tiphia khasiana

Zoological Survey of India

Prani Vigyan Bhawan, M-Block, New Alipore, Kolkata- 700 053

Citation: Hanima Raveendran, K.P. and Girish Kumar, P. (2020) A Checklist of Tiphidae (Insecta: Hymenoptera: Vespoidea) of India. Version 1.0. Online publication is available at www.zsi.gov.in Updated till June 2020. (online only)

Cover Photo: Female of *Tiphia khasiana* Cameron, 1902



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(Last update: June 2020)

INTRODUCTION

The family Tiphidae is a group of fossorial aculeate wasps belongs to the superfamily Vespoidea of the Order Hymenoptera. Tiphidae is represented by seven subfamilies worldwide which contain around 2,000 species under 200 genera (Brothers & Finnamore, 1993; Aguiar et al., 2013). Seventy five species of Tiphidae under 7 genera in 3 subfamilies are currently reported from India (Allen, 1975; Krombein, 1982; Bartalucci, 2010; Hanima et al. 2019a&b).

Tiphid wasps are mostly black, sometimes marked with yellow or red and ranging from 3-30 mm in size. All the members of Tiphidae are solitary, and their larvae are usually ectoparasitoids of soil-dwelling coleopteran larvae (Brothers and Finnamore, 1993).

The taxonomic work on the family Tiphidae from India is very little and fragmentary. Guérin-Ménéville (1837), Westwood (1851), Smith (1855, 1873, 1879), Walker (1859), Bingham (1896, 1897), Cameron (1897, 1898, 1899, 1902, 1903, 1904), Nurse (1903), Turner (1908, 1909, 1914, 1918), Allen and Jaynes (1930), Krombein (1938, 1982), Allen (1969, 1975), Chhotani and Ray (1975), Bartalucci (2010) and Hanima et al. (2019a&b) contributed significant knowledge on the family Tiphidae of India.

Systematic Accounts

Class Insecta

Order Hymenoptera

Superfamily Vespoidea

Family Tiphidae

I. Subfamily Tiphinae

1. Genus *Tiphia* Fabricius, 1775

Subgenus *Jaynesia* Allen, 1969

1. *Tiphia (Jaynesia) assamensis* Allen and Jaynes, 1930 – India (Meghalaya).

Subgenus *Tiphia* Fabricius, 1775

2. *Tiphia (Tiphia) birganjae* Allen, 1975 – India (Uttarakhand). *Elsewhere*: Nepal.
3. *Tiphia (Tiphia) bouceki* Krombein, 1982 – India (Kerala). *Elsewhere*: Sri Lanka.
4. *Tiphia (Tiphia) brevistigma* Allen and Jaynes, 1930 – India (Meghalaya).
5. *Tiphia (Tiphia) canaliculata* Cameron, 1902 – India (Meghalaya).
6. *Tiphia (Tiphia) capillata* Allen and Jaynes, 1930 – India (Meghalaya, Karnataka).
7. *Tiphia (Tiphia) chosensis* Allen, 1969 – India (Tamil Nadu).

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8. *Tiphia (Tiphia) cinchonae* Allen, 1975 – India (Karnataka, Tamil Nadu). *Elsewhere*: Thailand.
9. *Tiphia (Tiphia) clauseni* Allen and Jaynes, 1930 – India (Meghalaya).
10. *Tiphia (Tiphia) clavinerva* Cameron, 1904 – India (Meghalaya).
11. *Tiphia (Tiphia) coimbatorea* Allen, 1975 – India (Tamil Nadu). *Elsewhere*: Sri Lanka.
12. *Tiphia (Tiphia) dampara* Allen, 1975 – India (Tamil Nadu, Uttarakhand). *Elsewhere*: Thailand.
13. *Tiphia (Tiphia) davarae* Allen, 1975 – India (Uttarakhand). *Elsewhere*: Nepal.
14. *Tiphia (Tiphia) decrescens* Walker, 1859 – India (Gujarat, Karnataka, Tamil Nadu, Uttarakhand). *Elsewhere*: Sri Lanka; Thailand.
15. *Tiphia (Tiphia) dutti* Allen, 1975 – India (Meghalaya).
16. *Tiphia (Tiphia) exacta* Nurse, 1903 – India (Kashmir).
17. *Tiphia (Tiphia) fletcheri* Allen, 1975 – India (Tamil Nadu).
18. *Tiphia (Tiphia) fuscineris* Cameron, 1897 – India (Uttarakhand).
19. *Tiphia (Tiphia) hirsuta* Smith, 1855 – India (Uttarakhand, West Bengal). *Elsewhere*: Nepal.
20. *Tiphia (Tiphia) implicata* Cameron, 1897 – India (Uttarakhand).
21. *Tiphia (Tiphia) incisa* Cameron, 1897 – India (Uttarakhand).
22. *Tiphia (Tiphia) kashmirensis* Hanima & Girish Kumar, 2019 – India (Kashmir).
23. *Tiphia (Tiphia) khasiana* Cameron, 1902 – India (Kashmir, Meghalaya).
24. *Tiphia (Tiphia) knutsoni* Krombein, 1982 – India (Kerala). *Elsewhere*: Sri Lanka.
25. *Tiphia (Tiphia) kurczewskii* Krombein, 1982 – India (Tamil Nadu). *Elsewhere*: Sri Lanka.
26. *Tiphia (Tiphia) lawrencei* Allen, 1975 – India (Tamil Nadu). *Elsewhere*: Thailand.
27. *Tiphia (Tiphia) levipunctata* Allen & Jaynes, 1930 – India (Meghalaya). *Elsewhere*: Thailand.
28. *Tiphia (Tiphia) madrasa* Allen, 1975 – India (Tamil Nadu).
29. *Tiphia (Tiphia) magrettii* Cameron, 1897 – India (Uttarakhand).
30. *Tiphia (Tiphia) murreea* Allen, 1975 – India (Uttarakhand). *Elsewhere*: Pakistan.
31. *Tiphia (Tiphia) nathani* Allen, 1975 – India (Tamil Nadu, Karnataka). *Elsewhere*: Thailand.
32. *Tiphia (Tiphia) nilgirensis* Allen, 1975 – India (Tamil Nadu, Karnataka). *Elsewhere*: Sri Lanka; Thailand.
33. *Tiphia (Tiphia) nilgiria* Allen, 1975 – India (Tamil Nadu, Karnataka).
34. *Tiphia (Tiphia) officia* Allen, 1975 – India (Meghalaya).
35. *Tiphia (Tiphia) palmi* Krombein, 1938 – India (Tamil Nadu, Karnataka). *Elsewhere*: Myanmar; Sri Lanka; Thailand.
36. *Tiphia (Tiphia) pulchauriae* Allen, 1975 – India (Kashmir, Uttarakhand). *Elsewhere*: Nepal.
37. *Tiphia (Tiphia) pullivora* Allen and Jaynes, 1930 – India (Meghalaya).
38. *Tiphia (Tiphia) quinquecarinata* Cameron, 1904 – India (Meghalaya).
39. *Tiphia (Tiphia) robusta* Cameron, 1904 – India (Meghalaya).
40. *Tiphia (Tiphia) rothneyi* Cameron, 1903 – India (Meghalaya).
41. *Tiphia (Tiphia) rufofemorata* Smith, 1855 – India (Uttarakhand).
42. *Tiphia (Tiphia) scutensis* Allen, 1975 – India (Meghalaya).
43. *Tiphia (Tiphia) shillonga* Allen, 1975 – India (Meghalaya, Uttarakhand). *Elsewhere*: Thailand.
44. *Tiphia (Tiphia) simlaensis* Cameron, 1904 – India (Himachal Pradesh, Meghalaya).
45. *Tiphia (Tiphia) s-prima* Allen, 1975 – India (Meghalaya).
46. *Tiphia (Tiphia) s-quarta* Allen, 1975 – India (Meghalaya).
47. *Tiphia (Tiphia) s-secunda* Allen, 1975 – India (Meghalaya).
48. *Tiphia (Tiphia) s-sexata* Allen, 1975 – India (Meghalaya).
49. *Tiphia (Tiphia) s-tertia* Allen, 1975 – India (Meghalaya). *Elsewhere*: Thailand.

50. *Tiphia (Tiphia) tegelonga* Allen, 1975 – India (Meghalaya). *Elsewhere*: Thailand.
51. *Tiphia (Tiphia) tegulita* Allen, 1975 – India (Meghalaya, Tamil Nadu, Uttarakhand).
Elsewhere: Nepal.
52. *Tiphia (Tiphia) tuberculata* Cameron, 1904 – India (Meghalaya).

II. Subfamily Myzininae

Tribe: Mesini

2. Genus *Mesa* de Saussure, 1892

53. *Mesa apimacula* (Cameron, 1902) – India (Gujarat, Karnataka).
54. *Mesa bengalensis* (Cameron, 1898) – India (Maharashtra, East India).
55. *Mesa claripennis* (Bingham, 1897) – India (Gujarat, Bihar, Tamil Nadu, West Bengal).
Elsewhere: Myanmar; Sri Lanka; Thailand.
56. *Mesa dimidiata* (Guérin-Méneville, 1837) – India (Maharashtra, Karnataka, Tamil Nadu).
Elsewhere: Sri Lanka.
57. *Mesa flavipennis* Krombein, 1982 – India (Tamil Nadu, Pondicherry). *Elsewhere*: Sri Lanka.
58. *Mesa fuscipennis* (Smith, 1855) – India (exact collection locality unknown).
59. *Mesa madraspatana* (Smith, 1855) – India (Karnataka, Tamil Nadu).
60. *Mesa nursei* (Turner, 1908) – India (Himachal Pradesh).
61. *Mesa petiolata* (Smith, 1855) – India (Karnataka, Bihar, Maharashtra, West Bengal).
Elsewhere: Sri Lanka; Thailand.
62. *Mesa rothney* (Cameron, 1902) – India (Meghalaya). *Elsewhere*: Sri Lanka; Thailand.

3. Genus *Hylomesa* Krombein, 1968

63. *Hylomesa crassepunctata* (Turner, 1914) – India (Tamil Nadu).
64. *Hylomesa dimidiaticornis* (Bingham, 1896) – India (Uttarakhand, Karnataka). *Elsewhere*:
Myanmar.
65. *Hylomesa longiceps* (Turner, 1918) – India (Assam). *Elsewhere*: Myanmar; Malaysia;
Philippines; Sri Lanka.

Tribe: Meriini

Subtribe: Meriina

4. Genus *Iswara* Westwood, 1851

66. *Iswara luteus* Westwood, 1851 – India (Rajasthan).
67. *Iswara pallidus* (Smith, 1879) – India (North-West Provinces). *Elsewhere*: Arabian
Peninsula; Afghanistan; Pakistan.
68. *Iswara rajasthanicus* Chhotani & Ray, 1975 – India (Rajasthan).

5. Genus *Komarowia* Radoszkowski, 1886

69. *Komarowia fasciata* (Smith, 1873) – India (Gujarat, Rajasthan). *Elsewhere*: Pakistan.

6. Genus *Myzinella* Guiglia, 1959

70. *Myzinella clavicornis* (Turner, 1909) – India (Gujarat).

III. Subfamily Methochinae

7. Genus *Methocha* Latreille, 1804

Subgenus *Methocha* Latreille, 1804

71. *Methocha (Methocha) bicolor* (Cameron, 1897) – India (West Bengal).
72. *Methocha (Methocha) keralaensis* Hanima & Girish Kumar, 2019 – India (Kerala).
73. *Methocha (Methocha) litoralis* Krombein, 1982 – India (Pondicherry). *Elsewhere*: Sri Lanka

74. *Methocha (Methocha) orientalis* (Smith, 1855) – India (Northern India).
75. *Methocha (Methocha) violaceipennis* (Cameron, 1899) – India (Meghalaya). *Elsewhere*: Malaysia.

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