

*Abstract*

## List of Formicids (Hymenoptera : Formicidae) at Forest Research Institute (FRI), Dehradun (India)

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**ABSTRACT** : Formicid collection was studied and updated at National Collections, Forest Research Institute (FRI), Dehradun, India. It is represented by 7 subfamilies with 36 genera having 99 species.

Family Formicidae (Hymenoptera) is represented by 16 subfamilies over the globe with about 296 genera having 8,000 known species. In Oriental and Indo-Australian region, it is represented by 10 subfamilies with 101 and 126 genera respectively (Bolton, 1995).

As far as India is concerned, no comprehensive work is available since Bingham's fauna (1903) and that too stands outdated at present, as ant taxonomy had undergone major changes regarding placement of taxa (even at subfamilies and genera level) in last twenty years or so. The main objective at present should be to streamline Formicidae from India as well, apart from collecting and describing new and old material. Otherwise it would complicate the situation further.

With this in mind, about 5000 formicid specimens (mostly collected during 1920's and 1930's) lying at National Collections, Forest Research Institute (FRI), Dehradun have been studied. Identified taxa have been placed as per latest norms, while unidentified were identified. Moreover, some of the material have been contributed by the author. As a whole formicid collection at FRI is represented by 99 species belonging to 36 genera placed in 7 subfamilies.

The Objective of this study was to update and revive the old collection so that it is accessible for Indian myrmecologists for comparison and study.

### Subfamily Aenictinae

1. *Aenictus ambiguus* Shuckard, 1840
2. *Aenictus feae* Emery, 1889

## Subfamily Dolichoderinae

3. *Dolichoderus affinis* Emery, 1889
4. *Dolichoderus taprobanae* (Smith, 1858)
5. *Idromyrmex anceps* (Roger, 1863)
6. *Tapinoma indicum* Forel, 1895
7. *Tapinoma me/anocephalum* (Fabricius, 1793)
8. *Technomyrmex a/bipes* (Smith, 1861)

## Subfamily Dorylinae

9. *Dorylus abiatus* Schukard, 1840
10. *Dorylus orientalis* Westwood, 1835

## Subfamily Formicinae

11. *Anop/olepis /itora/is (iongipes* Jerdon, 1851)
12. *Camponotus compressus* (Fabricius, 1787)
13. *Camponotus irritans* (Smith, 1857)
14. *Camponotus ligniperdus* (Latreille, 1802)
15. *Camponotus nicobarensis* Mayr, 1865
16. *Camponotus parius* (Emery, 1889)
17. *Camponotus sericeus* (Fabricius, 1798)
18. *Camponotus variegates* (Smith, 1858)
19. *Camponotus wasmanni* Emery, 1893
20. *Catag/yphis setipes* (Forel, 1894)
21. *Formica fusca* Linnaeus, 1758
22. *Formica gagates* Latreille, 1798
23. *Formica rufibarbis* Fabricius, 1793
24. *Lasius hima/yanus* Bingham, 1903
25. *Lepisiota capensis* Mayr, 1862

26. *Lepisiota frauenfeldi* (Mayr, 1855)
27. *Lepisiota opaca* (*pulchella* Forel, 1892)
28. *Paratrechina bourbonica* (Forel, 1886)
29. *Paratrechina longicornis* (Latreille, 1802)
30. *Oecophylla smaragdina* (Fabricius, 1775)
31. *Polyrhachis armata* (Le Guillou, 1842)
32. *Polyrhachis bihamata* (Drury, 1773)
33. *Polyrhachis clotho* (*clypeata* Mayr, 1862)
34. *Polyrhachis hemiopticoides* (Mukerjee, 1930)
35. *Polyrhachis lacteipennis* Smith, 1858
36. *Polyrhachis laevigata* Smith, 1857
37. *Polyrhachis laevissima* Smith, 1858
38. *Polyrhachis marginata* (*mayri* Roger, 1863)
39. *Polyrhachis proxima* Roger, 1863
40. *Polyrhachis punctillata* Roger, 1863
41. *Polyrhachis rastellata* (Latreille, 1802)
42. *Polyrhachis rupicapra* Roger, 1863

#### Subfamily Myrmicinae

43. *Aphaenogaster cristata* (Forel, 1902)
44. *Aphaenogaster rothneyi* (Forel, 1902)
45. *Aphaenogaster sagei* (Forel, 1902)
46. *Cataulacus latus* Forel, 1891
47. *Cataulacus taprobanae* Smith, 1853
48. *Crematogaster brunnea* Smith, 1857
49. *Crematogaster dohrni* Mayr, 1879
50. *Crematogaster ebenina* (Forel, 1902)
51. *Crematogaster perelegans* Forel, 1902

52. *Crematogaster rogenhoferi* Mayr, 1879
53. *Crematogaster rogenhoferi* (*flava* Forel, 1886)
54. *Crematogaster rothneyi* Mayr, 1879
55. *Crematogaster subnuda* Mayr, 1879
56. *Crematogaster travancorensis* (Forel, 1902)
57. *Leptothorax fultonii* Forel, 1902
58. *Leptothorax rothneyi* Forel, 1902
59. *Lophomyrmex quadrispinosus* (Jerdon, 1851)
60. *Meranoplus bicolor* (Güerin-Meneville, 1844)
61. *Messor barbarus* (Linnaeus, 1767)
62. *Messor hima/yanus* (Forel, 1902)
63. *Monomorium destructor* (Jerdon, 1851)
64. *Monomorium glabrum* (Andre, 1883)
65. *Monomorium indicum* Forel, 1902
66. *Monomorium pharaonis* (Linnaeus, 1758)
67. *Monomorium scabriceps* (Mayr, 1879)
68. *Myrmica beesoni* Mukerjee, 1934
69. *Myrmica rubra* (Linnaeus, 1758)
70. *Myrmica rugosa* Mayr, 1865
71. *Myrmica smythiesii* Forel, 1902
72. *Myrmicaria brunnea* Saunders, 1842
73. *Paratopula ceylonica* (Emery, 1901)
74. *Pheidole indica* Mayr, 1879
75. *Pheidole latinoda* Roger, 1863
76. *Pheidole noda* Smith, 1874
77. *Pheidole smythiesii* (Forel, 1902)
78. *Pheidole sulcaticeps* Roger, 1863

79. *Pheidole woodmasoni* Forel, 1885
80. *Pheidologeton affinis* (Jerdon, 1851)
81. *Pheidologeton diversus* (Jerdon, 1851)
82. *Solenopsis geminata* (Fabricius, 1804)
83. *Tetramorium guineense* (Bernard, 1953)
84. *Tetramorium obesum* Andre, 1887

## Subfamily Ponerinae

85. *Diacamma rugosum* (Le Guillou, 1842)
86. *Diacamma rugosum (vagans* Smith, 1860)
87. *Harpegnathos venator* Smith, 1858
88. *Leptogenys binghamii* (Forel, 1900)
89. *Leptogenys birmana* (Forel, 1900)
90. *Leptogenys diminuta* (Smith, 1857)
91. *Leptogenys diminuta (laeviceps* Smith, 1857)
92. *Leptogenys kitteli* (Mayr, 1870)
93. *Leptogenys processionalis* (Jerdon, 1851)
94. *Odontoponera transversa* (Smith, 1857)
95. *Pachycondyla bispinosa* (Smith, 1858)
96. *Pachycondyla nigrita* (Emery, 1895)
97. *Pachycondyla rufipes* (Jerdon, 1851)
98. *Pachycondyla tesseronoda* (Emery, 1877)

## Subfamily Pseudomyrmecinae

99. *Tetraponera allaborans* (Walker, 1859)
100. *Tetraponera binghami* (Forel, 1902)
101. *Tetraponera nigra* (Jerdon, 1851)
102. *Tetraponera rufonigra* (Jerdon, 1851)

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