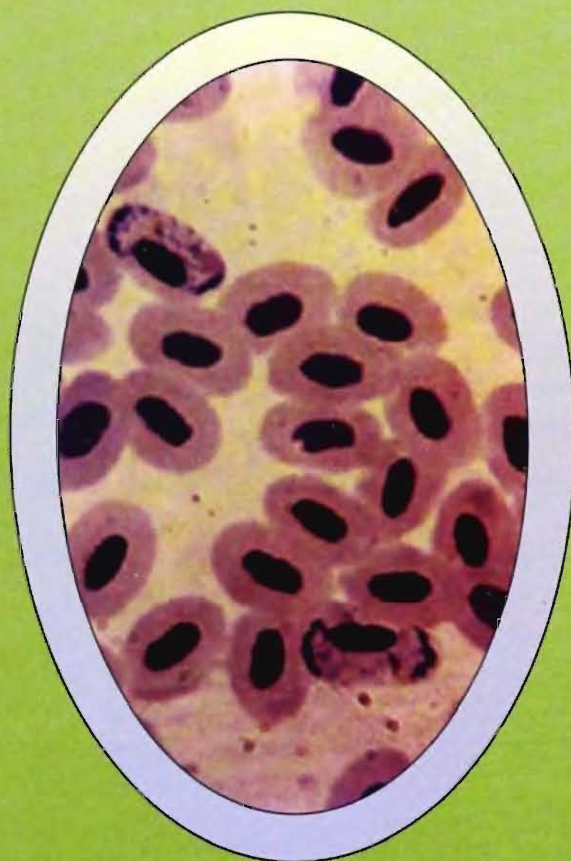


Synoptic list of Protozoa from India and their assessment of Taxonomic Diversity

PART 1 : PARASITIC PROTOZOA

**N.C. NANDI
A.K. DAS**



**RECORDS OF THE
ZOOLOGICAL SURVEY OF INDIA**

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their assessment of Taxonomic Diversity**

PART 1 : PARASITIC PROTOZOA

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PREFACE

An exhaustive estimate of Indian Fauna from Protozoa to Mammalia is available in the book *Faunal Resources in India* published by the Zoological Survey of India in 1991. In that publication on species diversity of Protozoa from India was estimated as 2577. Out of these, parasitic protozoa which included symbiotic protozoa also comprised of 1330 species. But this numerical estimate has not been validated till date by any list of protozoan species. Moreover, since 1991 large number of protozoan species have been reported from this country in various national and international journals, more particularly in the State Fauna Series, monographs and occasional papers published by ZSI. In this context, a complete synoptic list of protozoan species of this country is very much needed for proper reassessment of their taxonomic diversity. Keeping this in view, the present work was taken up initially with parasitic protozoa along with symbiotic protozoa. This appeared to be a herculean task as the concerned literature and records are very much scattered and in several cases it is very difficult to procure or to get access to them.

The present synoptic list is mainly based on protozoan parasites recorded up to 2006 although some species published up to 2008 have also been incorporated. This list is prepared after consulting *Fauna of British India* (2 vols.), *Fauna of India* (1 vol.), *Handbook (Myxosporea)*, *Monograph* and one Occasional paper on termite flagellates, *Zoological Records*, *Bibliography on Indian Zoology*, *Index Catalogues of Protozoan Parasites* (from Fishes, Reptiles, Aves, etc.), *State Fauna Series* (published by ZSI) and other relevant journals. Internets were also searched to procure some literature and information. In spite of all these, there may be some gaps in collecting and collating relevant records. We would, therefore, like to request the readers/researchers to invite our attention to such omissions so that an updated list could be brought out by ZSI in due course.

We are indebted to Dr. Ramakrishna, Director, Zoological Survey of India for his keen interest and earnest desire to bring out this document and for providing facilities to complete this work. The sustained technical help, cooperation and encouragement received from our colleagues in ZSI and information and literature from researchers, experts and friends from India and abroad since 1970's are thankfully acknowledged. It will be a long list of names during the last four decades of our research activities but recently Drs. Dhillon Ray, Rupendu Ray, Saugata Basu, C. Kalavati, K.P. Janardanan, Neelima Gupta, N.K. Sarkar, D.P. Haldar, S.R. Nikam, A.K. Mandal and A. Choudhury helped us very much in supplying information and reprints, while Dr. Bindu, Dr. Mousumi Roy, Mrs. R. Nandi., Mrs. R. Ghosh, Mr. Swapan Dutta, Dr. Satyanarayana, Dr. R. Palliwal, Dr. J.G. Pattanayak, Dr. P.L. Kankane and Mr. Amitava Roy, all from ZSI, extended various help and technical assistance from time to time to finalize this document.

N.C. Nandi
A.K. Das

**Records of the
Zoological Survey of India
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INTRODUCTION

"Protozoa" literally means "Proto" or first (most primitive) animals. But recent taxonomic and phylogenetic studies have revealed that these organisms are more primitive than animals, majority of which possess animal like characteristics. Being usually unicellular in structure and microscopic in size these eukaryotic organisms appear to be simple in organisation although these are actually not so, by manifesting all the characteristics common to a multicellular living being.

It is now well established that protozoa comprise of so much phylogenetically distant groups of organisms that they can not be accommodated within a single phylum as conceived earlier in the classical taxonomic scheme. So much so, with the flow of more and more ultrastructural, biochemical, molecular and phylogenetic data on this group, taxonomic rank of protozoa is being changed from Phylum (under the kingdom Animalia) to Subkingdom (under the kingdom Protista) and presently to a separate Kingdom itself with several phyla. However, Protozoa as kingdom is not mostly followed in the taxonomic works of India because number and characteristic features of protozoan phyla under this taxonomic scheme are yet to be finalised.

In this context, classification of Levine *et al.* (1980) has been followed in the taxonomic works of Protozoa by the scientists of the Zoological Survey of India (ZSI) since 1991 particularly in the State Fauna Series wherein Protozoa is ranked as subkingdom with 7 phyla. The same classification has been followed in the present list for parasitic and symbiotic Protozoa to keep parity with the earlier works, whereas for the phyla Microspora and Myxozoa under parasitic Protozoa, classification of Sprague *et al.* (1992) and Lom and Noble (1984) revised by Lom and Dykova (1992) respectively has been followed, as followed by Nandi *et al.* (2004) while dealing with parasitic Protozoa of Andhra Pradesh.

In the present communication (Part I) only parasitic protozoa recorded so far from India are dealt with. It is worth mentioning here that the definition of the terms 'parasite' and 'parasitism' often differs and is debated by parasitologists themselves. However, widely accepted definition of parasitism is that it is a kind of heterospecific association between two organisms in which one (parasite) is benefited and the other (host) is harboured for shelter and /or nourishment. It may be mentioned that the nature of parasitism is not precisely known for most of the protozoan parasites in India. It is also not exactly known which are truly commensals, mutualistic, symbiotic or pathogenic parasites. And even there are pathogenic free-living forms, such as, some free-living amoebae belonging to the genera *Naegleria* and *Acanthamoeba*, causing disease meningoencephalitis in humans and other animals (Griffin, 1977). These pathogenic free-living protozoans are excluded from this document as they are treated under free-living protozoa.

Parasitic protozoa and symbiotic protozoa are enlisted here separately in Part A and Part B respectively for the convenience of concerned expertise and other workers for their future study and biodiversity analysis of protozoa of India.

SYNOPTIC LIST OF PARASITIC PROTOZOA FROM INDIA

PART A. PARASITIC PROTOZOA

A synoptic list of parasitic protozoa along with their hosts and distribution known/ recorded from various states of India is given below :

Kingdom PROTISTA
 Subkingdom PROTOZOA
 Phylum SARCOMASTIGOPHORA
 Subphylum MASTIGOPHORA
 Class PHYTOMASTIGOPHOREA
 Order EUGLENIDA
 Suborder EUGLENINA
 Family ASTASIIDAE
 Genus *Copromonas* Dobell, 1908

1. *C. ruminantum* Woodcock, 1916

Host : *Sus scrofa*; site of infection : intestine.

Distribution : India : West Bengal.

Order CHRYSOMONADIDA

Family CROMULINIDAE

Genus *Oikomonas* Kent, 1880

2. *O. communis* Liebetanz, 1910

Host : *Capra hircus*; site of infection : stomach.

Distribution : India : West Bengal.

Class ZOOMASTIGOPHOREA

Order KINETOPLASTIDA

Suborder BODONINA

Family BODONIDAE

Genus *Bodomonas* Davis, 1947

3. *B. rebae* Tripathi, 1954

Host : *Catla catla*, *Cirrihina mrigala*, *Cirrihina reba* and *Labeo rohita*; site of infection : skin.

Distribution : India : West Bengal.

Genus *Ichthyobodo* Pinto, 1928

4. *I. necator* (Henneguy, 1883).
(Syn. *Costia necatrix* (Henneguy))

Host : Indian carps *Schizothorax plagiostomus*, *Channa punctatus* and *Channa striatus*;
site of infection : epidermal layer of skin.

Distribution : India : West Bengal.

5. *I. sp.*

Host : *Puntius sophore*; *site of infection* : skin.

Distribution : India : Uttarakhand.

Family CERCOBODONIDAE

Genus *Alexeiefella* Janakidevi, 1961

6. *A. cheloni* Janakidevi, 1961

Host : *Lissemys punctata granosa*; *site of infection* : intestine.

Distribution : India : Andhra Pradesh.

Family CRYPTOBIDAE

Genus *Cryptobia* Leidy, 1846

Subgenus *Trypanoplasma* Laveran and Mesnil, 1901

7. *C. (T.) atti* Joshi, 1982

Host : *Wallago attu*; *site of infection* : blood.

Distribution : India : Uttar Pradesh.

8. *C. (T.) catli* Gupta *et al.*, 1988

Host : *Catla catla*; *site of infection* : blood.

Distribution : India : Uttar Pradesh.

9. *C. (T.) cavacii* Wahul, 1985

Host : *Mystus cavacius*; *site of infection* : blood.

Distribution : India : Maharashtra.

10. *C. (T.) cyprinoides* Gupta *et al.*, 1988

Host : *Puntius ticto*; *site of infection* : blood.

Distribution : India : Uttar Pradesh.

11. *C. (T.) guptii* Gupta and Gupta, 1987

Host : *Mystus vittatus*; *site of infection* : blood.

Distribution : India : Uttar Pradesh.

12. *C. (T.) indica* (Mandal, 1979)

Host : *Mystus vittatus*; site of infection : blood.

Distribution : India : West Bengal.

13. *C. (T.) jayasriparvateesami* (Jayasri and Parvateesam, 1982)

(Syn. *Cryptobia indica* Jayasri and Parvateesam, 1982)

Host : *Puntius sarana*; site of infection : blood.

Distribution : India.

14. *C. (T.) krishnamurthyi* Wahul, 1985

Host : *Mystus cavacius*; site of infection : blood.

Distribution : India : Maharashtra.

15. *C. (T.) lomi* Wahul, 1986

Host : *Puntius hexastichus*; site of infection : blood.

Distribution : India : Maharashtra.

16. *C. (T.) maguri* Gupta and Gupta, 1987

Host : *Clarias batrachus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

17. *C. (T.) mysti* Joshi, 1982

Host : *Mystus aor*; site of infection : blood.

Distribution : India.

18. *C. (T.) ompoki* Shavanas *et al.*, 1989

Host : *Ompak bimaculatus*; site of infection : blood.

Distribution : India : Kerala.

19. *C. (T.) parastomatei* Narasimhamurti *et al.*, 1990

Host : *Parastomateus niger*; site of infection : blood.

Distribution : India : Orissa.

20. *C. (T.) qadrii* Krishnamurty and Wahul, 1986

Host : *Labeo calbasu*, *Labeo dyocheilus*; site of infection : blood.

Distribution : India : Maharashtra.

21. *C. (T.) saranae* Wahul, 1986

Host : *Puntius sarana*; site of infection : blood.

Distribution : India : Maharashtra.

22. *C. (T.) seenghali* Wahul, 1985

Host : *Mystus seenghala*; site of infection : blood.

Distribution : India : Maharashtra.

23. *C. (T.) solapurensis* Wahul, 1986

Host : *Puntius jerdoni*; site of infection : blood.

Distribution : India : Maharashtra.

24. *C. (T.) tengari* Gupta *et al.*, 1988

Host : *Mystus vittatus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

25. *C. (T.) vidyai* Wahul, 1985

Host : *Mystus seenghala*; site of infection : blood.

Distribution : India : Maharashtra.

26. *C. (T.) wallagoi* Wahul, 1986

Host : *Wallago attu*; site of infection : blood.

Distribution : India : Maharashtra.

27. *C. (T.)* sp.

Host : *Helobdella nociva*; site of infection : blood.

Distribution : India : West Bengal.

28. *C. (T.)* sp.

Host : *Puntius kolus*; site of infection : blood.

Distribution : India : Maharashtra.

Suborder TRYPANOSOMATINA

Family TRYPOSOMATIDAE

Genus *Blastocrithidia* Laird, 1959

29. *B.* sp.

Host : *Hyaloma analoticum*; site of infection : gut.

Distribution : India : Maharashtra.

30. *B.* sp.

Host : *Ranatra filiformes*; site of infection : gut.

Distribution : India : Maharashtra.

31. *B.* sp.

Host : *Laccotrephes maculatus*; site of infection : gut.

Distribution : India : Maharashtra.

32. *B.* sp.

Host : *Dysdercus cingulatus*; site of infection : gut.

Distribution : India : Maharashtra.

Genus *Crithidia* Laird, 195933. *C.* sp.

Host : *Erthesina fullo*; site of infection : gut.

Distribution : India.

34. *C.* sp.

Host : *Microvelia* sp.; site of infection : gut.

Distribution : India.

35. *C.* sp.

Host : *Peritopus* sp.; site of infection : gut.

Distribution : India.

36. *C.* sp.

Host : *Anopheles* sp.; site of infection : gut.

Distribution : India.

37. *C.* sp.

Host : *Anopheles stephensi*; site of infection : gut.

Distribution : India.

38. *C.* sp.

Host : *Culex* sp.; site of infection : gut.

Distribution : India.

39. *C.* sp.

Host : *Haematopota* sp.; site of infection : gut.

Distribution : India.

40. *C.* sp.

Host : *Tabanus striatus*; site of infection : gut.

Distribution : India.

Genus *Leishmania* Ross, 1903

41. *L. donovani* (Laveran and Mesnil, 1903)

Host : *Homo sapiens*, *Phlebotomus papatasi*, *Phlebotomus argentipes*; site of infection : reticulo-endothelial system, lymph, etc.

Distribution : India : Andhra Pradesh, Bihar, West Bengal.

42. *L. hemidactyli* Mackie, Das Gupta and Swaminath, 1923

Host : *Hemidactylus gleadowii*; site of infection : blood.

Distribution : India.

43. *L. tropica* (Wright, 1903)

Host : *Man*, Gerbils; site of infection : reticulo-endothelial system, skin, etc.

Distribution : India.

44. *L. sp.*

Host : *Calotes versicolor*; site of infection : blood.

Distribution : India.

Genus *Trypanosoma* Gruby, 1843

A. *Trypanosoma* of fishes

45. *T. aligaricus* Gupta and Jairajpuri, 1982

Host : *Channa punctatus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

46. *T. anabasi* Mandal, 1978

Host : *Anabas testudineus*; site of infection : blood.

Distribution : India : West Bengal.

47. *T. aori* Joshi, 1982

Host : *Mystus aor*; site of infection : blood.

Distribution : India : Uttar Pradesh.

48. *T. armeti* Mandal, 1975

Host : *Mastacembelus armatus*; site of infection : blood.

Distribution : India : West Bengal.

49. *T. attii* Gupta and Jairajpuri, 1982

Host : *Wallago attu*; site of infection : blood.

Distribution : India : Uttar Pradesh.

50. *T. aurangabadensis* Wahul, 1987

Host : *Mastacembelus armatus*; site of infection : blood.

Distribution : India : Maharashtra.

51. *T. bagroides* Gupta and Gupta, 1996

Host : *Mystus vittatus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

52. *T. baigulensis* Pandey and Pandey, 1974

Host : *Osteobrama cotio*, *Cirrhinus reba*; site of infection : blood.

Distribution : India.

53. *T. barbi* Gupta *et al.*, 1987

Host : *Barbus barbus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

54. *T. bareiliana* Gupta *et al.*, 1987

Host : *Channa punctatus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

55. *T. batai* Joshi, 1978

Host : *Labeo rohita*; site of infection : blood.

Distribution : India : Uttar Pradesh.

56. *T. batrachi* Qadri, 1962

Host : *Clarias batrachus*; site of infection : blood.

Distribution : India : West Bengal, Manipur, Andhra Pradesh.

57. *T. bengalensis* Mandal, 1979

Host : *Mystus bleekeri*; site of infection : blood.

Distribution : India : West Bengal.

58. *T. cancili* Mandal, 1978

Host : *Xenentodon cancila*; site of infection : blood.

Distribution : India : West Bengal.

59. *T. channai* Narasimhamurti and Saratchandra, 1980

Host : *Channa punctatus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

60. *T. choudhuryi* Mandal, 1976

Host : *Tilapia mossambica*, *Hemiclepsis m. marginata*; site of infection : blood.

Distribution : India : West Bengal.

61. *T. clariae* Montel, 1905

Host : *Clarias batrachus*; site of infection : blood.

Distribution : India : West Bengal.

61a. *T. clariae batrachi* de Mello and Valles, 1936

Host : *Clarias batrachus*; site of infection : blood.

Distribution : India : Goa.

62. *T. colisi* Gupta, 1986

Host : *Colisa fasciata*; site of infection : blood.

Distribution : India : Uttar Pradesh.

63. *T. danilewskyi saccobranchi* Qadri, 1962

Host : *Heteropneustes fossilis*; site of infection : blood.

Distribution : India : Andhra Pradesh.

64. *T. elongatus* Ray Chaudhuri and Misra, 1979

Host : *Channa punctatus*; site of infection : blood.

Distribution : India : West Bengal.

65. *T. gachuii* Misra, Chandra and Choudhury, 1973

Host : *Channa gachua*, *Hemiclepsis marginata*; site of infection : blood.

Distribution : India : West Bengal.

66. *T. gobida* Mandal, 1990

Host : *Glossogobius giuris*; site of infection : blood.

Distribution : India : West Bengal.

67. *T. godavariensis* Saratchandra and Jayaramaraju, 1981

Host : *Channa punctatus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

68. *T. granulosum* Laveran and Mesnil, 1902

Host : *Amphipnous* sp.; site of infection : blood.

Distribution : India : West Bengal.

69. *T. joshii* Wahul, 1986

Host : *Mystus cavacius*; site of infection : blood.

Distribution : India : Maharashtra.

70. *T. kargenensis* Gupta and Gupta, 1994

Host : *Heteropneustes fossilis*, *Clarias batrachus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

71. *T. maguri* Tandon and Joshi, 1978

Host : *Clarias batrachus*; site of infection : blood.

Distribution : India : Uttar Pradesh, West Bengal.

72. *T. mandali* Wahul, 1986

Host : *Mystus seenghala*; site of infection : blood.

Distribution : India : Maharashtra.

73. *T. marthwadensis* Wahul, 1986

Host : *Puntius hexastichus*; site of infection : blood.

Distribution : India : Maharashtra.

74. *T. mastacembeli* Wahul, 1987

Hosts : *Mastacembelus armatus*; site of infection : blood.

Distribution : India : Maharashtra.

75. *T. misrai* Wahul, 1988

Hosts : *Channa gachua*; site of infection : blood.

Distribution : India : Maharashtra.

76. *T. monomorpha* Gupta and Jairajpuri, 1985

Host : *Catla catla*; site of infection : blood.

Distribution : India : Uttar Pradesh.

77. *T. mrigali* Joshi, 1976

Host : *Cirrihina mrigala*; site of infection : blood.

Distribution : India : Uttar Pradesh.

78. *T. mukasai* Hoare, 1932

Host : *Tilapia mossambica*; site of infection : blood.

Distribution : India : West Bengal.

79. *T. mukundi* Ray Chaudhuri and Misra, 1973

Host : *Heteropneustes fossilis*; site of infection : blood.

Distribution : India : West Bengal.

80. *T. murtii* Wahul, 1987

Host : *Mastacembelus armatus*; site of infection : blood.

Distribution : India : Maharashtra.

81. *T. nandi* Mukherjee and Haldar, 1982

Host : *Nandus nandus*; site of infection : blood.

Distribution : India : West Bengal.

82. *T. notopteri* Gupta and Jairajpuri, 1985

Host : *Notopterus notopterus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

83. *T. pancali* Mandal, 1975

Host : *Mastacembelus punctatus*; site of infection : blood.

Distribution : India : West Bengal.

84. *T. parastomataei* Narasimhamurti *et al.*, 1990

Host : *Parastomateus niger*; site of infection : blood.

Distribution : India : Orissa coast.

85. *T. piscidium* Gupta *et al.*, 2002

Host : *Colisa fasciatus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

86. *T. punctati* Hasan and Qasim, 1962

Host : *Channa gachua*, *Ophicephalus punctatus*; site of infection : blood.

Distribution : India : Maharashtra, Uttar Pradesh, West Bengal.

87. *T. puntii* Wahul, 1986

Host : *Puntius kolus*; site of infection : blood.

Distribution : India : Maharashtra.

88. *T. purensis* Wahul, 1986

Host : *Mystus seenghala*; site of infection : blood.

Distribution : India : Maharashtra.

89. *T. qadrii* Narasimhamurti and Saratchandra, 1980

Host : *Clarias batrachus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

90. *T. rayi* Wahul, 1986

Host : *Puntius sarana*; site of infection : blood.

Distribution : India : Maharashtra.

91. *T. ritae* Gupta and Yadav, 1989

Host : *Rita rita*; site of infection : blood.

Distribution : India : Uttar Pradesh.

92. *T. rohilkhandae* Gupta and Saraswat, 1991

Host : *Channa punctatus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

93. *T. rupicola* Joshi, 1983

Host : *Nemacheilus rupicola*; site of infection : blood.

Distribution : India : Uttar Pradesh.

94. *T. saccobranchi* Qadri, 1962

Host : *Saccobranchus fossilis*; site of infection : blood.

Distribution : India : Andhra Pradesh.

95. *T. seenghali* Joshi, 1976

Host : *Mystus seenghala*; site of infection : blood.

Distribution : India : Uttar Pradesh, West Bengal.

95a. *T. seenghali* var. *sophorae* Yatindra and Mathur, 1980

Host : *Puntius sophorae*; site of infection : blood.

Distribution : India.

96. *T. singhii* Gupta and Jairajpuri, 1981

Host : *Heteropneustes fossilis*; site of infection : blood.

Distribution : India : Uttar Pradesh,

97. *T. striati* Qadri, 1955

Host : *Channa striatus* (= *Ophicephalus striatus*); *Channa punctatus* (= *Ophicephalus punctatus*); site of infection : blood.

Distribution : India : Andhra Pradesh.

98. *T. tandoni* Mandal, 1980

Host : *Wallago attu*; site of infection : blood.

Distribution : India : West Bengal.

99. *T. ticti* Gupta *et al.*, 1988

Host : *Puntius ticto*; site of infection : blood.

Distribution : India : Uttar Pradesh.

100. *T. trichogasteri* Gupta and Jairajpuri, 1981

Host : *Trichogaster fasciatus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

100a. *T. trichogasteri* var. *fasciatae* Gupta *et al.*, 1998

Host : *Colisa fasciatus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

101. *T. vittati* Tandon and Joshi, 1973

Host : *Mystus vittatus*; site of infection : blood.

Distribution : India : Uttar Pradesh, West Bengal.

102. *T. xenentodoni* Das, Sarkar and Bandyopadhyay, 1986

Host : *Xenentodon cancila*; site of infection : blood.

Distribution : India : West Bengal.

103. *T. sp.*

Host : *Aorichthys aor*; site of infection : blood.

Distribution : India : West Bengal.

104. *T. sp.*

Host : *Nandus nandus*; site of infection : blood.

Distribution : India : West Bengal.

105. *T. sp.*

Host : *Puntius ticto*; site of infection : blood.

Distribution : India.

106. *T. sp.*

Host : *Channa gachua*; site of infection : blood.

Distribution : India.

107. *T. sp.*

Host : *Gara gotyla*; site of infection : blood.

Distribution : India.

108. *T. sp.*

Host : *Nemacheilus rupicola*; site of infection : blood.

Distribution : India.

109. *T. sp.*

Host : *Anabas testudineus*; site of infection : blood.

Distribution : India.

110. *T. sp.*

Host : *Heteropneustes fossilis*; site of infection : blood.

Distribution : India.

111. *T. sp.*

Host : *Clarias batrachus*; site of infection : blood.

Distribution : India.

112. *T. sp.*

Host : *Channa punctatus*; site of infection : blood.

Distribution : India.

113. *T. sp.*

Host : *Trichogaster fasciata*; site of infection : blood.

Distribution : India.

114. *T. sp.*

Host : *Notopterus notopterus*; site of infection : blood.

Distribution : India.

115. *T. sp.*

Host : *Glossogobius giuris*; site of infection : blood.

Distribution : India.

116. *T. sp.*

Host : *Catla catla*; site of infection : blood.

Distribution : India.

117. *T. sp.*

Host : Cyprinus carpio; site of infection : blood.

Distribution : India.

118. *T. sp.*

Host : Labeo rohita; site of infection : blood.

Distribution : India.

119. *T. sp.*

Host : Wallago attu; site of infection : blood.

Distribution : India.

120. *T. sp.*

Host : Mystus cavasius; site of infection : blood.

Distribution : India.

121. *T. sp.*

Host : Mystus tengra; site of infection : blood..

Distribution : India.

122. *T. sp.*

Host : Xenentodon cancila; site of infection : blood.

Distribution : India.

123. *T. sp.*

Host : Channa striatus; site of infection : blood.

Distribution : India.

124. *T. sp.*

Host : Labeo calbasu; site of infection : blood.

Distribution : India.

125. *T. sp.*

Host : Puntius sophorae; site of infection : blood.

Distribution : India.

126. *T. sp.*

Host : Rita rita; site of infection : blood.

Distribution : India.

127. *T. sp.*

Host : *Bagarius bagarius*; site of infection : blood.

Distribution : India.

128. *T. sp.*

Host : *Cirrhina mrigala*; site of infection : blood.

Distribution : India.

129. *T. sp.*

Host : *Lepidocheilus guntea*; site of infection : blood.

Distribution : India.

130. *T. sp.*

Host : *Oreochromis mossambicus*; site of infection : blood.

Distribution : India.

131. *T. sp.*

Host : *Tor putitora*; site of infection : blood.

Distribution : India.

132. *T. sp.*

Host : *Mystus vittatus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

B. *Trypanosoma* of amphibians133. *T. chattoni* Mathis and Leger, 1911

Host : *Bufo melanostictus*, *Bufo stomaticus*, *Rana limnocharis*, *Rana hexadactyla*, *Rhacophorus maculatus*, *Rhacophorus malabaricus*, *Microhyla ornata*; site of infection : blood.

Distribution : India : Goa, West Bengal.

134. *T. inopinatum* Sergent and Sergent, 1904

Host : *Rana hexadactyla*, *Rana tigrina*; site of infection : blood.

Distribution : India : West Bengal.

135. *T. kayozeukton* Dutton and Todd, 1903

Host : *Rana hexadactyla*, *Rana tigrina*; site of infection : blood.

Distribution : India : West Bengal.

136. *T. loricatum* (Mayer, 1843)

Host : *Rana limnocharis*, *Rana tigrina*; site of infection : blood.

Distribution : India : West Bengal.

137. *T. malabarica* Ray and Choudhury, 1984

Host : *Rana malabarica*, *Rana limnocharis*; site of infection : blood.

Distribution : India : Goa.

138. *T. mega* Dutton and Todd, 1903

Host : *Rana tigrina*; site of infection : blood.

Distribution : India : West Bengal.

139. *T. microhyli* Misra and Chandra, 1993

Host : *Microhyla ornata*; site of infection : blood.

Distribution : India : West Bengal.

140. *T. ranarum* (Lankester, 1871)

Host : *Rana tigrina*, *Rana* sp.; site of infection : blood.

Distribution : India : Andhra Pradesh, West Bengal.

141. *T. rotatorium* (Mayer, 1843)

Host : *Rana cyanophlyctis*, *Rana limnocharis*, *Rana tigrina*, *Rhacophorus maculatus*, *Rhacophorus malabaricus*, *Bufo melanostictus*, *Bufo stomaticus*; site of infection : blood.

Distribution : India : West Bengal, Goa, Orissa, Tripura, Manipur, Meghalaya, Arunachal Pradesh, Andaman, Andhra Pradesh, Cosmopolitan.

142. *T. systoma* Ray and Choudhury, 1983

Host : *Uperodon systoma*; site of infection : blood.

Distribution : India : West Bengal.

143. *T. taprobanica* Ray and Choudhury, 1984

Host : *Kaloula pulchra taprobanica*; site of infection : blood.

Distribution : India : West Bengal.

C. Trypanosoma of reptiles

144. *T. balithaensis* Ray, 1987

Host : *Lissemys p. punctata*; site of infection : blood.

Distribution : India : West Bengal.

145. *T. enhydris* Sinha and Mandal, 1976

Host : *Enhydris enhydris*; site of infection : blood.

Distribution : India : West Bengal.

146. *T. gangetica* Sinha, 1978

Host : *Trionyx gangeticus*; site of infection : blood.

Distribution : India : West Bengal.

147. *T. hemidactyli* Mackie, Das Gupta and Swaminath, 1923

Host : *Hemidactylus geoldovii*; site of infection : blood.

Distribution : India.

148. *T. lissemysi* Saratchandra, 1980

Host : *Lissemys punctata granosa*; site of infection : blood.

Distribution : India : Andhra Pradesh.

149. *T. mabuiae* Wenyon, 1909

Host : *Mabuia carinata*; site of infection : blood.

Distribution : India : West Bengal.

150. *T. pertenu* de Mello and Lobo, 1938

Host : *Hemidactylus brooki*; site of infection : blood.

Distribution : India : Goa.

151. *T. sp.*

Host : Common krait; site of infection : blood.

Distribution : India.

152. *T. sp.*

Host : Stone lizard; site of infection : blood.

Distribution : India.

D. Trypanosoma of birds153. *T. avium* Danilewsky, 1885

Host : *Acrocephalus dumetorum*, *Dicrurus adsimilis*, *Dicrurus macrocercus*, *Lonchura malabarica*; site of infection : blood.

Distribution : India : West Bengal, Andhra Pradesh, Delhi, Goa.

154. *T. brame* Stephens and Christophers, 1908

Host : *Athene brama*; site of infection : blood.

Distribution : India.

155. *T. brimonti bakeri* (Chatterjee and Ray, 1971)
(= *T. avium bakeri*)

Host : *Columba livia*, *Dendrocitta vagabunda*, *Pycnonotus jocosus*; site of infection : blood.

Distribution : India : West Bengal.

156. *T. centropi* de Mello, 1935

Host : *Centropus sinensis parroti*; site of infection : blood.

Distribution : India : Goa.

157. *T. corvi* Stephens and Christophers, 1908

Host : *Corvus monedula*, *Dendrocitta vagabunda*; site of infection : blood.

Distribution : India : West Bengal.

158. *T. cuculi* de Mello, 1935

Host : *Cuculus micropterus*; site of infection : blood.

Distribution : India : Goa.

159. *T. delhiense* Grewal, 1963

Host : *Lonchura malabarica* (= *Uroloncha malabarica*); site of infection : blood.

Distribution : India : Delhi.

160. *T. fulicae* da Fonseca, 1938

Host : *Fulica atra*; site of infection : blood.

Distribution : India : Goa.

161. *T. garruli* Subramanian and Singh, 1962

Host : *Garrulus lanceolatus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

162. *T. gymnorhidis* de Mello and da Fonseca, 1938

Host : *Gymnorhidis xanthocollis*; site of infection : blood.

Distribution : India : Goa.

163. *T. hanna* Pittaluga, 1905

(Syn. *T. columbae* Stephens and Christophers, 1908)

Host : *Columba livia domestica*; site of infection : blood.

Distribution : India : West Bengal, Goa.

164. *T. ixobrychi* de Mello, 1935

Host : *Ixobrychus m. minuta*; site of infection : blood.

Distribution : India : Goa.

165. *T. knowlesi* Das Gupta and Siddons, 1941

Host : *Cuculus micropterus*; site of infection : blood.

Distribution : India : West Bengal.

166. *T. lanii* Choudhury and Misra, 1976

Host : *Lanius schsch tricolor*; site of infection : blood.

Distribution : India : West Bengal.

167. *T. lobivanelli* de Mello, 1935

Host : *Lobivanellus i. indicus*; site of infection : blood.

Distribution : India : Goa.

168. *T. milvi* Stephens and Christophers, 1908

Host : *Milvus migrans govinda*; site of infection : blood.

Distribution : India.

169. *T. moruoni* de Mello, 1937

Host : *Copsychus saularis*; site of infection : blood.

Distribution : India : Goa.

170. *T. nycticoracis* Stephens and Christophers, 1908

Host : *Nycticorax n. nycticorax*; site of infection : blood.

Distribution : India : Goa.

171. *T. turdoides* de Mello, 1935

Host : *Turdoides sommervillei*; site of infection : blood.

Distribution : India : Goa.

172. *T. urolonchae* Pereira, 1941

Host : *Lonchura striata*; site of infection : blood.

Distribution : India : Goa.

173. *T. sp.*

Host : *Eudynamis scolopacius*; site of infection : blood.

Distribution : India : Andhra Pradesh.

174. *T. sp.*

Host : *Fracolinus pondicerianus*; site of infection : blood.

Distribution : India : Maharashtra.

175. *T. sp.*

Host : *Hypsipites madagascariensis*; site of infection : blood.

Distribution : India : Maharashtra.

176. *T. sp.*

Host : *Lonchura p. punctulata*; site of infection : blood.

Distribution : India : West Bengal.

177. *T. sp.*

Host : *Oriolus oriolus*; site of infection : blood.

Distribution : India : Tamil Nadu.

178. *T. sp.*

Host : *Pitta brachyura*; site of infection : blood.

Distribution : India : Tamil Nadu.

189. *T. sp.*

Host : *Prinia socialis*; site of infection : blood.

Distribution : India : Maharashtra.

180. *T. sp.*

Host : *Copsychus saularis saularis*; site of infection : blood.

Distribution : India : Maharashtra.

181. *T. sp.*

Host : *Pycnonotus cafer*; site of infection : blood.

Distribution : India : Maharashtra.

182. *T. sp.*

Host : *Pycnonotus jocosus*; site of infection : blood.

Distribution : India : Goa.

183. *T. sp.*

Host : *Pycnonotus leucogenys*; site of infection : blood.

Distribution : India : Gujarat.

184. *T. sp.*

Host : *Streptopelia chinensis*; site of infection : blood.

Distribution : India : Andhra Pradesh, Goa, Maharashtra.

185. *T. sp.*

Host : *Streptopelia decaocto*; site of infection : blood.

Distribution : India : Rajasthan.

186. *T. sp.*

Host : *Turdoides striatus*; site of infection : blood.

Distribution : India : Maharashtra.

187. *T. sp.*

Host : *Zoothera citrina*; site of infection : blood.

Distribution : India : Maharashtra.

188. *T. sp.*

Host : *Buteo vulpinus*; site of infection : blood.

Distribution : India : Goa, Maharashtra.

189. *T. sp.*

Host : *Tockus griseus griseus*; site of infection : blood.

Distribution : India : Goa, Maharashtra.

190. *T. sp.*

Host : *Corvus splendens*; site of infection : blood.

Distribution : India.

191. *T. sp.*

Host : *Coturnix communis*; site of infection : blood.

Distribution : India : Delhi.

192. *T. sp.*

Host : *Glaucidium brodiei*; site of infection : blood.

Distribution : India : Uttar Pradesh.

193. *T. sp.*

Host : *Loncura p. punctulata*; site of infection : blood.

Distribution : India : West Bengal.

194. *T. sp.*

Host : *Oriolus orilus kundoo*; site of infection : blood.

Distribution : India : Uttar Pradesh.

195. *T. sp.*

Host : *Passer domesticus*; site of infection : blood.

Distribution : India : Delhi, Punjab.

196. *T. sp.*

Host : *Pycnonotus cafer stanfordi*; site of infection : blood.

Distribution : India : Uttar Pradesh.

197. *T. sp.*

Host : *Treron phoenicoptera*; site of infection : blood.

Distribution : India : Delhi.

E. Trypanosoma of mammals

198. *T. bandicoti* Lingard, 1904

Host : *Nesokia bandicota*, *Nesokia gigamtea*; site of infection : blood.

Distribution : India : Andhra Pradesh.

199. *T. evansi* (Steel, 1885)

Host : Cattle, Buffalo, Dog, Donkey, Elephant, Jaguar, *Asinus hemionus*, *Axis axis*, *Capra hircus*, *Ovis aries*, *Cervus unicolor*, *Panthera pardus*, *Panthera tigris*, *Panthera tigris altaica*, *Panthera unca*, *Homo sapiens*; site of infection : blood.

Distribution : India : Andhra Pradesh, Kerala, West Bengal, Gujarat, Madhya Pradesh, Maharashtra, Tamil Nadu, Karnataka, Cosmopolitan.

200. *T. indicum* Luhe, 1906

Host : *Petaurista magnificus*, *Petaurista n. nobilis*, *Sciurus palmarum*; site of infection : blood.

Distribution : India : West Bengal, Andhra Pradesh.

201. *T. lewisi* Kent, 1880

Host : *Bandicota bengalensis*, *Mus musculus*, *Rattus norvegicus*, *Rattus niveiventer*, *Rattus rattus*, *Rattus rattus arboreus*, *Rattus rattus frugivorus*, *Rattus rufescens*, wild rat; site of infection : blood.

Distribution : India : West Bengal, Karnataka, Jammu & Kashmir, Andhra Pradesh, Delhi, Uttar Pradesh.

202. *T. rhinolophonis* Pal and Dasgupta, 1982

Host : *Rhinolophus rouxi rouxi*; site of infection : blood.

Distribution : India : West Bengal.

203. *T. rhinopoma* Bandyopadhyay, Ray and Dasgupta, 1982

Host : *Rhinopoma handwieki*; site of infection : blood.

Distribution : India : Rajasthan.

204. *T. theileri* Laveran, 1902

Host : *Bos indicus*, *Bubalus bubalis*; site of infection : blood.

Distribution : India : Andhra Pradesh, Mahashtra.

205. *T. sp.*

Host : *Hipposideros sp.*; site of infection : blood.

Distribution : India.

206. *T. sp.*

Host : *Vulpes bengalensis*; site of infection : blood.

Distribution : India : Andhra Pradesh.

207. *T. sp.*

Host : Cow (*Bos indicus*); site of infection : blood.

Distribution : India : Andhra Pradesh, Maharashtra.

208. *T. sp.*

Host : *Buffalo (Bubalus bubalis)*; site of infection : blood

Distribution : India : Andhra Pradesh.

209. *T. sp.*

Host : *Rattus rattus*; site of infection : blood.

Distribution : India : Maharashtra.

210. *T. sp.*

Host : Dog (*Canis familiaris*); site of infection : blood.

Distribution : India : Andhra Pradesh.

211. *T. sp.*

Host : Wolf, *Canis lopus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

212. *T. sp.*

Host : Pony (*Equus caballus*); site of infection : blood.

Distribution : India : Andhra Pradesh.

213. *T. sp.*

Host : Tiger, *Panthera tigris*; site of infection : blood.

Distribution : India : Andhra Pradesh, Madhya Pradesh, Kerala, West Bengal.

214. *T. sp.*

Host : Puma, *Puma concolor* (Linn.); site of infection : blood.

Distribution : India : Andhra Pradesh.

215. *T. sp.*

Host : Jackal, *Canis aureus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

216. *T. sp.*

Host : *Petaurista n. nobilis*; site of infection : blood

Distribution : India : West Bengal.

217. *T. sp.*

Host : *Cuon alpinus*; site of infection : blood.

Distribution : India.

218. *T. sp.*

Host : *Macaca mulatta*; site of infection : blood.

Distribution : Uttar Pradesh, Delhi.

Genus *Leptomonas* Kent, 1880

219. *L. bakeri* Prasad and Kalavati, 1987

Host : *Lygaeus militaris*; site of infection : midgut and hindgut.

Distribution : India : Andhra Pradesh.

220. *L. indica* Prasad and Kalavati, 1987

Host : *Lygaeus hospes*; site of infection : midgut and hindgut.

Distribution : India : Andhra Pradesh.

221. *L. sp*

Host : *Ranatra sp.*; site of infection : gut.

Distribution : India : Maharashtra.

222. *L. sp.*

Host : *Nepa sp.*; site of infection : gut.

Distribution : India : Maharashtra.

223. *L. sp.*

Host : *Dysdercus cingulata.*; site of infection : gut.

Distribution : India : Maharashtra.

224. *L. sp.*

Host : *Periplaneta americana*; site of infection : gut.

Distribution : India : Maharashtra.

225. *L. sp.*

Host : *Laccotrephes maculatus*; site of infection : gut.

Distribution : India : Maharashtra.

226. *L. sp.*

Host : *Lucila sp.*; site of infection : gut.

Distribution : India : Maharashtra.

227. *L. sp.*

Host : *Ranatra filiformes*; site of infection : gut.

Distribution : India : Maharashtra.

Genus *Herpetomonas* Kent, 1880

228. *H. sp.*

Host : *Lucila sp.*; site of infection : gut.

Distribution : India : Maharashtra.

229. *H. sp.*

Host : *Calliphora sp.*; site of infection : gut.

Distribution : India : Maharashtra.

230. *L. sp.*

Host : *Musca domestica*; site of infection : gut.

Distribution : India : Maharashtra.

Order PROTEROMONADIDA

Family PROTEROMONADIDAE

Genus *Proteromonas* Kunstler, 1883

A. *Proteromonas* in reptiles

231. *P. chameleoni* Krishnamurthy, 1963

Host : *Chameleon zeylanicus*, *Calotes versicolor*; site of infection : large intestine and caecum.

Distribution : India : Andhra Pradesh.

232. *P. ganapatii* Saratchandra, 1981

Host : *Hemidactylus giganteus*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

233. *P. grassei* Saratchandra and Narasimhamurti, 1980

Host : *Hemidactylus prashadi*; site of infection : gut.

Distribution : India : Andhra Pradesh.

234. *P. hemidactyli* Krishnamurthy, 1968

Host : *Hemidactylus brooki*; site of infection : large intestine.

Distribution : India : Andhra Pradesh.

235. *P. kakatiyae* Bhaskar *et al.*, 1978

Host : *Hemidactylus* sp. ; site of infection : rectum.

Distribution : India : Andhra Pradesh.

236. *P. krishnamurthyi* Saratchandra and Babu, 1982

Host : *Calotes versicolor*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

237. *P. lacertae-viridis* (Grassi, 1879)

Host : *Hemidactylus giganteus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

238. *P. mabuiiae* Saratchandra, Vijayanand and Venkataswarlu, 1984

Host : *Mabuya beddomia*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

239. *P. sanjivei* Grewal, 1966

Host : *Mabuya dissimilis*; site of infection : rectum.

Distribution : India : Punjab.

240. *P. uromastixi* Janakidevi, 1962

Host : *Uromastix hardwicki*; site of infection : rectum.

Distribution : India : Maharashtra.

241. *P. waltairensis* Saratchandra and Narasimhamurti, 1980

Host : *Hemidactylus prashadi*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

242. *P. warangalensis* Bhaskar Rao *et al.*, 1978

Host : *Mabuya carinata*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

243. *P.* sp.

Host : *Eublepharus* sp.; site of infection : rectum.

Distribution : India.

244. *P.* sp.

Host : *Calotes versicolor*; site of infection : rectum.

Distribution : India.

245. *P.* sp.

Host : *Calotes* sp.; site of infection : rectum.

Distribution : India.

246. *P.* sp.

Host : *Hemidactylus brooki*; site of infection : rectum.

Distribution : India.

247. *P.* sp.

Host : *Hemidactylus giganteus*; site of infection : rectum.

Distribution : India.

228. *P.* sp.

Host : *Chameleon zeylanicus*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

B. *Proteromonas* in mammals249. *P. hystrixi* Todd, 1963

Host : *Hystrix leucura*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

250. *P. rattusi* Kalavati, Saratchandra and Sambasivarao, 1983

Host : *Rattus rattus*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

Order RETORTAMONADIDA

Family RETORTAMONADIDAE

Genus *Retortamonas* Grassi, 1879

A. *Retortamonas* in insects

251. *R. aurangabadensis* Sultana, 1976

Host : *Gryllotalpa africana*; site of infection : midgut.

Distribution : India : Maharashtra.

252. *R. blattae* (Bishop, 1931)

Host : *Blatta orientalis*, *Corydia petiveriana*, *Cryptocercus* sp., *Leuccophaea sinninamensis*, *Periplaneta americana*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

253. *R. indica* Krishnamurthy and Sultana, 1977

Host : *Polyphaga indica*; site of infection : hindgut.

Distribution : India : Maharashtra.

254. *R. masoodi* Mali, 1993

Host : *Gryllotalpa africana*; site of infection : gut.

Distribution : India : Maharashtra.

255. *R. nagabhushani* Sultana, 1976

Host : *Gryllotalpa africana*; site of infection : midgut.

Distribution : India : Maharashtra.

256. *R. toddi* Bhaskar Rao, 1968

Host : *Laccotrephes maculatus*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

257. *R. wenrichi* Stabler, 1944

Host : *Gryllotalpa africana*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

258. *R.* sp.

Host : *Spirotreptus* sp.; site of infection : gut.

Distribution : India : Maharashtra.

259. *R.* sp.

Host : *Blatta germinica*; site of infection : gut.

Distribution : India : Maharashtra.

260. *R.* sp.

Host : *Gryllotalpa* sp.; site of infection : gut.

Distribution : India : Maharashtra.

261. *R.* sp.

Host : *Periploneta americana* sp.; site of infection : gut.

Distribution : India : Maharashtra.

262. *R.* sp.

Host : *Oryctes rhinoceros*; site of infection : gut.

Distribution : India : Maharashtra.

263. *R.* sp.

Host : *Gryllus domesticus*; site of infection : gut.

Distribution : India : Maharashtra.

B. *Retortamonas* in reptiles264. *R. cheloni* Janakidevi, 1962

Host : *Geochelone elegans* (= *Testudo elegans*); site of infection : large intestine.

Distribution : India : Andhra Pradesh.

265. *R. viperae* Krishnamurthy and Madre, 1976

Host : *Vipera russelli*; site of infection : rectum.

Distribution : India : Maharashtra.

266. *R.* sp.

Host : *Varanus* sp.; site of infection : intestine.

Distribution : India : Andhra Pradesh.

267. *R.* sp.

Host : *Zamenis mucosus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

C. Retortamonas in mammals

268. *R. ovis* (Hegner and Schumaker, 1928)
(= *Enbadomonas ruminantum*, Knowles and Dasgupta, 1931)

Host : *Bos indicus*, *Ovis aires*; site of infection : intestine.

Distribution : India : West Bengal.

Genus *Chilomastix* Alexeieff, 1912

A. Chilomastix in amphibians

269. *C. qadrii* Krishnamurthy, 1970

Host : *Rana tigrina*; site of infection : large intestine and rectum.

Distribution : India : Andhra Pradesh.

270. *C. sp.*

Host : *Bufo melanostictus*; site of infection : intestine.

Distribution : India : Maharashtra.

B. Chilomastix in reptiles

271. *C. hemidactyli* Bhaskar Rao *et al.*, 1976

Host : *Hemidactylus sp.*, *Hemidactylus giganteus*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

272. *C. kudoii* Saratchandra and Narasimhamurti, 1980

Host : *Hemidactylus prashadi*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

273. *C. wenyoni* Janakidevi, 1961

Host : *Calotes nimericola*; site of infection : large intestine and rectum.

Distribution : India : Andhra Pradesh.

274. *C. sp.*

Host : *Varanus indica*; site of infection : intestine.

Distribution : India : Maharashtra.

275. *C. sp.*

Host : *Varanus sp.*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

276. *C. sp.*

Host : *Hemidactylus giganteus*; site of infection : intestine.

Distribution : India : Maharashtra.

277. *C. sp.*

Host : *Calotes versicolor*; site of infection : rectum.

Distribution : India.

C. Chilomastix in birds278. *C. graecae* Navarathnam, 1971

Host : *Alectoris graeca*; site of infection : caecum and large intestine.

Distribution : India : Andhra Pradesh.

279. *C. osmaniae* Navarathnam, 1971

Host : *Gallus gallus domesticus*; site of infection : caecum and large intestine.

Distribution : India : Andhra Pradesh.

D. Chilomastix in mammals280. *C. bandicoti* Todd, 1963

Host : *Nesocia bandicota*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

281. *C. caprae* Fonseca, 1915

Host : *Capra hircus*; site of infection : rumen.

Distribution : India : West Bengal.

282. *C. equi* Abraham, 1961

Host : *Equus caballus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

283. *C. hyderabadensis* Todd, 1963

Host : *Rattus rattus frugivorous*; site of infection : ilico-caecum, caecum and large intestine.

Distribution : India : Andhra Pradesh.

284. *C. indica* Todd, 1963

Host : *Nesocia bandicota*; site of infection : alimentary canal.

Distribution : India : Andhra Pradesh.

285. *C. megamorpha* Abraham, 1961

Host : *Cavia cutleri*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

286. *C. mesnili* Wenyon, 1926

Host : *Homo sapiens*; site of infection : caecum and colon.

Distribution : India : West Bengal, cosmopolitan.

287. *C. nigricollisi* Todd, 1963

Host : *Lepus nigricollis*; site of infection : caecum downwards.

Distribution : India : Andhra Pradesh.

288. *C. palmari* Todd, 1963

Host : *Sciurus palmarum*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

Order DIPLOMONADIDA

Suborder ENTEROMONADINA

Family ENTEROMONADIDAE

Genus *Enteromonas* Da Fonseca, 1915

289. *E. hominis* da Fonseca, 1915

(= *E. bengalensis* Chatterjee, 1919)

Host : *Homo sapiens*; site of infection : caecum.

Distribution : India : West Bengal.

290. *E. ratti* Navarathnam, 1970

Host : *Rattus rattus frugivorus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

291. *E. suis* Knowles and Dasgupta, 1929

Host : *Sus scrofa*; site of infection : caecum

Distribution : India : West Bengal.

Genus *Caviomonas* Nie, 1950

292. *C. frugivori* Navarathnam, 1970

Host : *Rattus rattus frugivorous*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Family CALLIMASTIGIDAE

Genus *Callimastix* Weissenberg, 1912

293. *C. frontalis* Braune, 1913

Host : *Capra hircus*; site of infection : rumen.

Distribution : India : West Bengal, cosmopolitan.

Genus *Selenomonas* Von Prowazek, 1913

294. *S. ruminantum* var. *caprae* Das Gupta, 1935

Host : *Capra hircus*; site of infection : rumen.

Distribution : India : West Bengal.

Suborder DIPLOMONADINA

Family HEXAMITIDAE

Subfamily HEXAMITINAE

Genus *Hexamita* Durjardin, 1841**A. *Hexamita* in insects**295. *H. gryllotalpae* Bhaskar Rao, 1968

Host : *Gryllotalpa africana*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

296. *H. honigbergi* Bhaskar Rao, 1968

Host : *Gryllotalpa africana*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

297. *H. murthii* Sultana, 1976

Host : *Periplaneta americana*; site of infection : gut.

Distribution : India : Maharashtra.

B. *Hexamita* in fishes298. *H. sp*

Host : *Gobius giuris*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

C. *Hexamita* in amphibians299. *H. cyanophlycti* Krishnamurthy and Shete, 1981

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

300. *H. hoarei* Krishnamurthy, 1967

Host : *Rana tigrina*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

301. *H. melanosticti* Krishnamurthy and Shete, 1981

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Maharashtra.

302. *H. sp.*

Host : *Rana tigrina*; site of infection : rectum.

Distribution : India : Maharashtra.

303. *H. sp.*

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

304. *H. sp.*

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Maharashtra.

D. *Hexamita* in reptiles

305. *H. calotesi* Mitra and Ray, 1967

Host : *Calotes versicolor*; site of infection : rectum.

Distribution : India :

306. *H. kakatiyae* Bhaskar Rao, 1975

Host : *Calotes versicolor*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

307. *H. sp*

Host : *Varanus sp.*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

308. *H. sp.*

Host : *Calotes versicolor*; site of infection : intestine.

Distribution : India.

309. *H. sp.*

Host : *Chameleon zeylanicus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

E. *Hexamita* in birds

310. *H. singhi* Navarathnam, 1970

Host : *Anas sp.*; site of infection : alimentary canal.

Distribution : India : Andhra Pradesh.

F. *Hexamita* in mammals

311. *H. nesocium* Todd, 1963

Host : *Nesocia bandicota*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

312. *H. pigmentatus* Todd, 1963

Host : *Rattus rattus frugivorous*; site of infection : caecum and upper part of large intestine.

Distribution : India : Andhra Pradesh.

313. *H. spinulum* Todd, 1963

Host : *Gerbillus indicus*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

Subfamily GIARDIINAE

Genus *Giardia* Kunstler, 1907314. *G. canis* Hegner, 1922

Host : *Canis familiaris*; site of infection : intestine.

Distribution : India : Maharashtra.

315. *G. cati* Deschiens, 1925

(= *G. felis* Hegner, 1925)

Host : Cat, *Felis domestica*; site of infection : intestine.

Distribution : India.

316. *G. dasi* Abraham, 1962

Host : *Paradoxurus hermaphroditus hermaphroditus*; site of infection : duodenum.

Distribution : India : Andhra Pradesh.

317. *G. indica* Saratchandra, Sambasiva Rao and Kalavati, 1982

Host : *Rattus rattus*; site of infection : small intestine.

Distribution : India : Andhra Pradesh.

318. *G. intestinalis* (Lambl, 1859)

Host : *Homo sapiens*; site of infection : duodenum, jejunum and upper part of intestine.

Distribution : India : Andhra Pradesh, West Bengal, throughout India, cosmopolitan.

319. *G. pantheri* Das and Jha, 1967

Host : *Panthera leo*; site of infection : intestine.

Distribution : India.

320. *G. qadrii* Navarathnam, 1969

Host : *Capra hircus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

321. *G. wenyoni* Abraham, 1962

Host : *Loris tardigradus lydekkerianus*; site of infection : duodenum.

Distribution : India : Andhra Pradesh.

Genus *Octomitus* Prowazek, 1904

322. *O. rattusi* Saratchandra, Sambasivarao and Kalavati, 1982

Host : *Rattus rattus*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

Order OXYMONADIDA

Family POLYMASTIGIDAE

Genus *Polymastix* Butschli, 1884

323. *P. ganapatii* Sultana, 1976

Host : Scarabid larvae; site of infection : hindgut.

Distribution : India : Maharashtra.

324. *P. jadhavi* Mali, 1993

Host : *Periplaneta americana*; site of infection : gut.

Distribution : India : Maharashtra.

325. *P. indica* Krishnamurthy and Sultana, 1978

Host : *Polyphaga indica*; site of infection : hindgut.

Distribution : India : Maharashtra.

326. *P. krishnamurthyi* Sultana and Hulsurkar, 1995

Host : Larva of *Oryctes rhinoceros*; site of infection : gut.

Distribution : India : Maharashtra.

327. *P. oryctesae* Sultana and Hulsurkar, 1995

Host : Larvae of *Oryctes rhinoceros*; site of infection : gut.

Distribution : India : Maharashtra.

328. *P. periplanetae* Qadri and Bhaskar Rao, 1963

Host : *Periplaneta americana*; site of infection : lumen of the hindgut.

Distribution : India : Andhra Pradesh.

329. *P. rayi* Sultana, 1976

Host : Larva of *Oryctes rhinoceros*; site of infection : gut.

Distribution : India : Maharashtra.

Genus *Monocercomonoides* Travis, 1932**A. *Monocercomonoides* in insects**330. *M. adarshi* Mali *et al.*, 2001

Host : *Oryctes rhinoceros*; site of infection : gut.

Distribution : India : Maharashtra.

331. *M. aurangabadensis* Mali and Patil, 2003

Host : *Blatella germanica*; site of infection : gut.

Distribution : India : Maharashtra.

332. *M. blattae* Sultana and Krishnamurthy, 1979

Host : *Blatta* sp.; site of infection : gut.

Distribution : India : Maharashtra.

333. *M. chakravartyi* Krishnamurthy and Sultana, 1976

Host : *Polyphaga indica*; site of infection : gut.

Distribution : India : Maharashtra.

334. *M. ganapatii* Bhaskar Rao, 1969

Host : *Gryllotalpa africana*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

335. *M. garnhami* Bhaskar Rao, 1969

Host : *Periplaneta americana*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

336. *M. gryllusae* Sultana and Krishnamurthy, 1978

Host : *Gryllus bimaculatus*; site of infection : gut.

Distribution : India : Maharashtra.

337. *M. krishnamurthii* Sultana 1976

Host : *Pycnoscelus surinamensis*; site of infection : gut.

Distribution : India : Maharashtra.

338. *M. khultabadae* Mali and Mali, 2004

Host : *Pycnoscelus surimanensis*; site of infection : gut.

Distribution : India : Maharashtra.

339. *M. marathandensis* Krishnamurthy and Sultana, 1976

Host : *Periplaneta americana*; site of infection : gut.

Distribution : India : Maharashtra.

340. *M. omergae* Mali *et al.*, 2001

Host : *Oryctes rhinoceros*; site of infection : gut.

Distribution : India : Maharashtra.

341. *M. oryctesae* Krishnamurthy and Sultana, 1977

Host : *Oryctes rhinoceros*; site of infection : gut.

Distribution : India : Maharashtra.

342. *M. polyphagae* Krishnamurthy and Sultana, 1977

Host : *Polyphaga indica*; site of infection : gut.

Distribution : India : Maharashtra.

343. *M. qadrii* Bhaskar Rao, 1969

Host : *Oryctes rhinoceros*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

344. *M. spirostreptae* Krishnamurthy and Sultana, 1980

Host : *Spirostreptus* sp.; site of infection : midgut.

Distribution : India : Maharashtra.

345. *M. termitis* Krishnamurthy and Sultana, 1981

Host : *Termite*; site of infection : gut.

Distribution : India : Maharashtra.

346. *M. sp.*

Host : *Spirostreptus* sp.; site of infection : gut.

Distribution : India : Maharashtra.

347. *M. sp.*

Host : *Blabarus* sp.; site of infection : gut.

Distribution : India : Maharashtra.

348. *M. sp.*

Host : *Gryllus* sp.; site of infection : gut.

Distribution : India : Maharashtra.

349. *M. sp.*

Host : *Blatta germamica*; site of infection : gut.

Distribution : India : Maharashtra.

350. *M. sp.*

Host : *Blatta sp.*; site of infection : gut.

Distribution : India : Maharashtra.

351. *M. sp.*

Host : *Gryllotalpa sp.*; site of infection : gut.

Distribution : India : Maharashtra.

352. *M. sp.*

Host : *Periplaneta americana*; site of infection : gut.

Distribution : India : Maharashtra.

353. *M. sp.*

Host : *Oryctes rhinoceros*; site of infection : gut.

Distribution : India : Maharashtra.

354. *M. sp.*

Host : *Gryllus domestica*; site of infection : gut.

Distribution : India : Maharashtra.

B. *Monocercomonoides* in amphibians355. *M. dobelli* Krishnamurthy and Sultana, 1970

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Maharashtra.

C. *Monocercomonoides* in reptiles356. *M. filamentum* Janakidevi, 1962

Host : *Geochelone elegans*; site of infection : large intestine.

Distribution : India : Andhra Pradesh.

357. *M. mehdii* Krishnamurthy, 1967

Host : *Calotes versicolor*, *Calotes sp.*; site of infection : large intestine.

Distribution : India : Maharashtra.

358. *M. singhi* Krishnamurthy, 1967

Host : *Chameleon zeylanicus*; site of infection : large intestine.

Distribution : India : Andhra Pradesh.

259. *M. viperae* Madre and Krishnamurthy, 1976

Host : *Vipera russeli*; site of infection : rectum.

Distribution : India : Maharashtra.

360. *M. sp.*

Host : *Eublepharus sp.*; site of infection : intestine.

Distribution : India.

361. *M. sp.*

Host : *Calotes versicolor*; site of infection : intestine.

Distribution : India.

D. Monocercomonoides in mammals

362. *M. indica* Navarathnam, 1970

Host : *Gerbillus indicus*; site of infection : caecum and large intestine.

Distribution : India : Andhra Pradesh.

363. *M. lepusi* Todd, 1963

Host : *Lepus nigricollis*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

364. *M. sayeedi* Abraham, 1961

Host : *Capra hircus*; site of infection : rumen.

Distribution : India : Andhra Pradesh.

365. *M. shortti* Navarathnam, 1970

Host : *Rattus rattus frugivorus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Superorder PARABASALIDEA

Order TRICHOMONADIDA

Family MASTIGAMOEBIDAE

Genus *Dientamoeba* Jepps and Dobell, 1918

366. *D. dobelli* Bhaskar Rao, 1970

Host : *Oryctes rhinoceros*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

367. *D. fragilis* Jepps and Dobell, 1918

Host : *Homo sapiens*, *Macaca irus*, *Macaca mulatta*; site of infection : colon.

Distribution : India : West Bengal.

Genus *Histomonas* Tyzzer, 1920

368. *Histomonas meleagridis* (Smith, 1895)

Host : *Gracia eleutoris* (= *Alectoris gracea*); site of infection : caeca, liver.

Distribution : India : Kashmir, Uttar Pradesh.

Family MONOCERCOMONADIDAE

Subfamily MONOCERCOMONADINAE

Genus *Monocercomonas* Grassi, 1879

A. *Monocercomonas* in insects

369. *M. corydiae* Bhaskar Rao, 1970

Host : *Corydia petiveriana*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

370. *M. digranulae* Krishnamurthy and Sultana, 1976

Host : *Gryllotalpa africana*; site of infection : midgut and hindgut.

Distribution : India : Maharashtra.

371. *M. gryllusae* Sultana and Krishnamurthy, 1978

Host : *Gryllus bimaculatus*; site of infection : gut.

Distribution : India : Maharashtra.

372. *M. indica* Krishnamurthy and Sultana, 1976

Host : *Pycnoscelus surinamensis*; site of infection : midgut.

Distribution : India : Maharashtra.

373. *M. laccotrephis* Bhaskar Rao, 1970

Host : *Laccotrephis maculatus*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

374. *M. leucophaeae* Bhaskar Rao, 1970

Host : *Leucophaea sinninamensis*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

375. *M. osmaniae* Bhaskar Rao, 1970

Host : *Cryptocercus* sp.; site of infection : rectum.

Distribution : India : Andhra Pradesh.

376. *M. nathae* Sultana and Krishnamurthy, 1976

Host : *Polyphaga indica*; site of infection : gut.

Distribution : India : Maharashtra.

377. *M. sp.*

Host : *Blaberus sp.*; site of infection : gut.

Distribution : India : Maharashtra.

378. *M. sp.*

Host : *Gryllotalpa sp.*; site of infection : gut.

Distribution : India : Maharashtra.

379. *M. sp.*

Host : *Oryctes rhinoceros* larvae; site of infection : gut.

Distribution : India : Maharashtra.

B. *Monocercomonas* in amphibians

380. *M. aurangabadensis* Krishnamurthy and Madre, 1979

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Maharashtra.

381. *M. cyanophlycti* Krishnamurthy and Madre, 1979

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

382. *M. maharashtrae* Krishnamurthy and Shete, 1981

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

383. *M. melanosticti* Krishnamurthy and Madre, 1979

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Maharashtra.

384. *M. sultanae* Krishnamurthy and Shete, 1981

Host : *Rana tigrina*; site of infection : rectum.

Distribution : India : Maharashtra.

385. *M. sp.*

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

386. *M. spp. (2)*

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Maharashtra.

C. Monocercomonas in reptiles**387. *M. breviflagellata* Mali, 1978**

Host : *Naja naja*; site of infection : rectum.

Distribution : India : Maharashtra.

388. *M. calotesi* Saratchandra, 1979

Host : *Calotes versicolor*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

389. *M. colubrorum* (Hammerschmidt, 1844)

Host : *Zamenis mucosus*, *Varanus* sp.; site of infection : rectum.

Distribution : India : Andhra Pradesh, cosmopolitan.

390. *M. desmukhi* Krishnamurthy and Desmukh, 1971

Host : *Eublepharus* sp.; site of infection : rectum.

Distribution : India : Maharashtra.

391. *M. elaphae* Krishnamurthy, 1968

Host : *Elapha* (= *Coluber*) *helena*; site of infection : intestine.

Distribution : India : Maharashtra.

392. *M. eryxi* Krishnamurthy, 1968

Host : *Eryx johnii*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

393. *M. ganapatii* Saratchandra and Narasimhamurti, 1982

Host : *Hemidactylus prashadi*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

394. *M. garnhami* Krishnamurthy, 1968

Host : *Lycodon aulicus*, *Vipera russelli*; site of infection : rectum.

Distribution : India : Andhra Pradesh and Maharashtra.

395. *M. gopali* Krishnamurthy, 1967

Host : *Dryophis mycterizans*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

396. *M. (Alimonas) hemidactyli* Madre, 1979

Host : *Hemidactylus giganteus*; site of infection : rectum.

Distribution : India : Maharashtra.

397. *M. kakatiyae* Dayakar *et al.*, 1978

Host : *Varanus indica*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

398. *M. longiflagellata* Krishnamurthy, 1968

Host : *Calotes versicolor*; site of infection : rectum.

Distribution : India : Maharashtra.

399. *M. marathwadensis* Mali, 1978

Host : *Hemidactylus giganteus*; site of infection : rectum.

Distribution : India : Maharashtra.

400. *M. najae* Krishnamurthy, 1968

Host : *Naja naja*; site of infection : intestine.

Distribution : India : Maharashtra

401. *M. (Alimonas) prashadi* Saratchandra, 1981

Host : *Hemidactylus prashadi*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

402. *M. (Monocercomonas) rayi* Saratchandra and Narasimhamurti, 1982

Host : *Hemidactylus prashadi*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

403. *M. sharani* Grewal, 1966

(Syn. *Eutrichomastix sharani*)

Host : *Mabuya dissimilis*; site of infection : rectum.

Distribution : India : Punjab.

404. *M. shortii* Krishnamurthy, 1968

Host : *Hemidactylus brooki*; site of infection : rectum.

Distribution : India : Maharashtra.

405. *M. srikakulamensis* Saratchandra and Narasimhamurti, 1979

Host : *Calotes versicolor*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

406. *M. varani* Krishnamurthy, 1968

Host : *Varanus* sp.; site of infection : rectum.

Distribution : India : Andhra Pradesh.

407. *M. waltairensis* Narasimhamurti and Saratchandra, 1980

Host : *Hemidactylus prashadi*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

408. *M. spp.*

Host : *Hemidactylus brooki*; site of infection : intestine.

Distribution : India : Maharashtra.

409. *M. sp.*

Host : *Hemidactylus coctaei*; site of infection : rectum.

Distribution : India : Maharashtra.

410. *M. sp.*

Host : *Varanus indica*; site of infection : rectum.

Distribution : India : Maharashtra.

411. *M. sp.*

Host : *Varanus sp.*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

412. *M. spp. (3)*

Host : *Hemidactylus giganteus*; site of infection : intestine.

Distribution : India : Andhra Pradesh, Maharashtra.

413. *M. spp. (2)*

Host : *Calotes versicolor*; site of infection : intestine.

Distribution : India : Maharashtra.

414. *M. sp.*

Host : *Chameleon zeylanicus*; site of infection : rectum.

Distribution : India : Maharashtra.

415. *M. sp.*

Host : *Varanus indica*; site of infection : intestine.

Distribution : India : Maharashtra.

416. *M. sp.*

Host : *Naja naja*; site of infection : intestine.

Distribution : India : Maharashtra.

417. *M. sp.*

Host : *Vipera russelli*; site of infection : intestine.

Distribution : India : Maharashtra.

418. *M. sp.*

(= *Eutrichomastrix sp.*)

Host : *Calotes versicolor major*; site of infection : intestine.

Distribution : India.

D. *Monocercomonas* in birds

419. *M. anasae* Navarathnam, 1971

Host : *Anas sp.*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

E. *Monocercomonas* in mammals

420. *M. caprae* Das Gupta, 1935

Host : *Capra hircus*; site of infection : rumen.

Distribution : India : West Bengal.

421. *M. cutleri* Navarathnam, 1971

Host : *Cavia cutleri*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

422. *M. gerbilli* Todd, 1963

Host : *Gerbillus indicus*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

423. *M. hoare*i Navarathnam, 1970

Host : *Rattus rattus frugivorus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

424. *M. lori* Abraham, 1962

Host : *Loris tardigradus lydekkerianus*; ; site of infection : intestine.

Distribution : India : Eastern Ghats (Andhra Pradesh).

425. *M. ruminantum* (Braune, 1914)

Host : *Axis axis*; site of infection : rumen.

Distribution : India : West Bengal.

Genus *Hexamastix* Alexeieff 1912

A. *Hexamastix* in insects

426. *H. alexeieffi* Sultana, 1974

Host : *Pycnoscelus surinamensis*; site of infection : hindgut.

Distribution : India : Maharashtra.

427. *H. marathwadensis* Krishnamurthy and Sultana, 1977

Host : *Polyphaga indica*; site of infection : hindgut.

Distribution : India : Maharashtra.

428. *H. periplanetae* Bhaskar Rao, 1970

Host : *Periplaneta americana*; site of infection : rectum (faecal content).

Distribution : India : Andhra Pradesh.

429. *H. polyphagae* Mali, 1995

Host : *Polyphaga indica*; site of infection : hindgut.

Distribution : India : Maharashtra.

430. *H. sangappe* Mali, Kulkarni, Suresh and Mali, 2003

Host : *Pycnoscelus surinamensis*; site of infection : gut.

Distribution : India : Maharashtra.

431. *H. singhi* Bhaskar Rao, 1970

Host : *Gryllotalpa afriacana*; site of infection : rectum (faecal content).

Distribution : India : Andhra Pradesh.

432. *H. sp.*

Host : *Gryllotalpa sp.*; site of infection : gut.

Distribution : India : Maharashtra.

B. *Hexamastix* in reptiles433. *H. agamae* Spare, 1944

Host : *Agama tuberculata*; site of infection : intestine.

Distribution : India.

434. *H. dobelli* Janakidevi, 1961

Host : *Testudo elegans*; site of infection : large intestine.

Distribution : India : Andhra Pradesh.

435. *H. lacertae* Janakidevi, 1961

Host : *Uromastix hardwickii*; site of infection : large intestine.

Distribution : India : Maharashtra

C. *Hexamastix* in mammals436. *H. gerbilli* Navarathnam, 1970

Host : *Gerbillus indicus*; site of infection : caecum and large intestine.

Distribution : India : Andhra Pradesh.

437. *H. gopali* Navarathnam, 1970

Host : *Rattus rattus frugivorus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

438. *H. hyderabadensis* Navarathnam, 1971

Host : *Cavia cutleri*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

439. *H. sciuri* Todd, 1963

Host : *Sciurus palmorum*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

440. *H. spheroids* Todd, 1963

Host : *Nesocia bandicota*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

Subfamily HYPOTRICHOMONADINAE

Genus *Hypotrichomonas* Lee, 1960

A. *Hypotrichomonas* in reptiles

441. *H. hemidactyli* Bhaskar Rao *et al.*, 1976

Host : *Hemidactylus* sp.; site of infection : rectum.

Distribution : India : Andhra Pradesh.

442. *H. osmaniae* Krishnamurthy, 1967

Host : *Varanus* sp.; site of infection : rectum.

Distribution : India : Andhra Pradesh.

443. *H. venkataramiahii* Dayakar *et al.*, 1977

Host : *Varanus indica*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

B. *Hypotrichomonas* in birds

444. *H. avium* Navarathnam, 1970

Host : *Cryptoplecteron erythrorhynchum*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

Family TRICHOMONADIDAE

Subfamily TRICHOMONADINAE

Geuns *Trichomonas* Donne, 1836

A. *Trichomonas* in reptiles

445. *T. sp.*

Host : *Ablabes calamaria*; site of infection : rectum.

Distribution : India.

446. *T. sp.*

Host : *Naja naja*; site of infection : rectum.

Distribution : India.

B. *Trichomonas* in birds447. *T. brahamae* Sambasivarao and Narasimhamurti, 1982

Host : *Athene brahamae*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

448. *T. gallinae* (Rivolta, 1878)

Host : *Milvus migrans*; site of infection : oesophagus.

Distribution : India : West Bengal, Andhra Pradesh.

449. *T. sp.*

Host : *Budgerigars*; site of infection : necrotic lesions in the oesophagus.

Distribution : India : Andhra Pradesh.

C. *Trichomonas* in mammals450. *T. caballi* Abraham, 1961

Host : *Equus caballus*; site of infection : colon.

Distribution : India : Andhra Pradesh.

451. *T. frugivori* Todd, 1963

Host : *Rattus rattus frugivorous*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

452. *T. hominis*

Host : *Macaca mulatta*; site of infection : intestine.

Distribution : India.

453. *T. leucuri* Todd, 1963

Host : *Hystrix leucura*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

454. *T. singhi* Todd, 1963

Host : *Gerbillus indicus*; site of infection : caecum and intestine.

Distribution : India : Andhra Pradesh.

455. *T. ruminantum* Braune

Host : *Capra hircus*; site of infection : rumen.

Distribution : India : West Bengal.

456. *T. thukuni* Ray and Singh, 1949

Host : *Cavia cutleri*; site of infection : caecum.

Distribution : India : West Bengal.

457. *T. vaginalis* Donne, 1836

Host : *Homo sapiens*; site of infection : vagina, prostrate gland and urethra.

Distribution : India : West Bengal.

448. *T. sp.*

Host : *Herpestes auropunctatus*; site of infection : rectum.

Distribution : India : West Bengal.

Genus *Trichomitus* Swezy, 1915

A. *Trichomitus* in insects

459. *T. corydiae* Bhaskar Rao and Todd, 1968

Host : *Corydia petiverina*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

B. *Trichomitus* in amphibians and reptiles

460. *T. granulatus* Krishnamurthy and Madre, 1977

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

461. *T. hyderabadensis* Krishnamurthy, 1969

Host : *Rana tigrina*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

462. *T. sp.*

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

C. *Trichomitus* in reptiles

463. *T. batrachorum* (Perty, 1852) Honigberg, 1963

Host : *Eryx johnii*, *Varanus sp.*, *Hemidactylus brooki*, *Hemidactylus giganteus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

464. *T. sp.*

Host : *Chameleon zeylanicus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

465. *T. sp.*

Host : *Varanus indica*; site of infection : intestine.

Distribution : India.

D. *Trichomitus* in mammals466. *T. honigbergi* Navarathnam, 1971

Host : *Cavia cutleri*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Genus *Trimitus* Alexeieff467. *T. trionyxi* Knowles and Das Gupta, 1930

Host : *Trionyx gangeticus*; site of infection : intestine.

Distribution : India : West Bengal.

Genus *Tetratrichomonas* Parisi, 1910**A. *Tetratrichomonas* in birds**468. *T. garnhami* Navarathnam, 1971

Host : *Coturnix coturnix*; site of infection : intestine and caecum.

Distribution : India : Andhra Pradesh.

B. *Tetratrichomonas* in mammals469. *T. butteryi* (Hibler *et al.*, 1960)

Host : *Sus scrofa*; site of infection : caecum, colon and rarely small intestine.

Distribution : India : West Bengal.

Genus *Pentatrichomonas* Mesnil, 1914**A. *Pentatrichomonas* in birds**470. *P. capellae* Navarathnam, 1970

Host : *Capella gallinago*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

471. *P. centropi* Navarathnam, 1970

Host : *Centropus sinensis*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

472. *P. sp.*

Host : *Lobiranellus indicus*; site of infection : intestine.

Distribution : India : Maharashtra.

473. *P. sp.*

Host : *Ketupa zeylaneusis*; site of infection : intestine.

Distribution : India : Maharashtra.

B. *Pentatrichomonas* in mammals474. *P. hominis* (Davaine, 1860)

Host : *Canis aureus*; site of infection : caecum and colon.

Distribution : India : West Bengal.

475. *P. smithi* Navarathnam, 1970

Host : *Herpestes smithi*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

476. *P. tardigradi* Navarathnam, 1970

Host : *Loris tardigradi*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

477. *P. vulpi* Todd, 1963

Host : *Vulpes bengalensis*; site of infection : caecum and alimentary canal.

Distribution : India : Andhra Pradesh.

Subfamily TRITRICHOMONADINAE

Genus *Tritrichomonas* Kofoid, 1920**A. *Tritrichomonas* in amphibians**478. *T. angusta* Alexeieff, 1911

Host : *Rana tigrina*, *Bufo melanostictus*; site of infection : intestine.

Distribution : India : Maharashtra.

479. *T. sp.*

Host : *Rana pipiens*; site of infection : intestine.

Distribution : India : Maharashtra.

B. *Tritrichomonas* in reptiles480. *T. lisemyi* Janakidevi, 1961

Host : *Lissemys punctata granosa*; site of infection : large intestine.

Distribution : India : Andhra Pradesh.

C. *Tritrichomonas* in Birds481. *T. gigantea* Navarathnam, 1970

Host : *Coturnix coturnix*; site of infection : caecum.

Distribution : India : Andhra Pradesh.

Order HYPERMASTIGIDA
Suborder LOPHOMONADINA
Family LOPHOMONADIDAE
Genus *Lophomonas* Stein, 1860
482. *L. striata* Butschli, 1828

Host : *Periplaneta americana*; site of infection : gut.

Distribution : India : West Bengal.

Incertae sedis

Family ?

Genus *Rhizomastix* Alexeieff, 1911

483. *R. dastagiri* Sultana, 1975

Host : *Periplaneta americana*; site of infection : hindgut.

Distribution : India : Maharashtra.

484. *R. gryllotalpae* Bhaskar Rao, 1970

Host : *Gryllotalpa africana*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

485. *R. murthi* Mali, Kulkarni and Mali, 2002

Host : *Periplaneta americana*; site of infection : gut.

Distribution : India : Maharashtra.

486. *R. periplanetae* Bhaskar Rao, 1963

Host : *Periplaneta americana*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

487. *R. sp.*

Host : *Gryllotalpa sp.*; site of infection : gut.

Distribution : India : Maharashtra.

488. *R. sp.*

Host : *Periplaneta americana*; site of infection : gut.

Distribution : India : Maharashtra.

***Rhizomastix* in amphibians**

489. *R. ranae* Krishnamurthy, 1969

Host : *Rana tigrina*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

490. *R. sp.*

Host : *Rana tigrina*; site of infection : gut.

Distribution : India : Maharastra.

Genus *Spheromonas* Liebetanz, 1910

491. *S. anteronucleatus* Todd, 1963

Host : *Lepus nigricollis*; site of infection : caecum.

Distribution : India : Andhra Pradesh, Maharashtra.

Genus *Tubulimonoides* Krishnamurthy and Sultana, 1976

492. *T. aurangabadae* Mali, Kulkarni and Mali, 2003

Host : *Oryctes rhinoceros*; site of infection : gut.

Distribution : India : Maharashtra.

493 *T. gryllotalpae* Krishnamurthy and Sultana, 1976

Host : *Gryllotalpa africana*; site of infection : hindgut.

Distribution : India : Maharashtra.

494. *T. shivamurthii* Mali and Sultana, 1993

Host : *Oryctes rhinoceros*; site of infection : gut.

Distribution : India : Maharashtra.

Subphylum OPALINATA

Class OPALINATEA

Order OPALINIDA

Family OPALINIDAE

Genus *Cepedea* Metcalf, 1920

495. *C. cyanocephala* Gangopadhyay and Ray, 2004

Host : *Rana limnocharis limnocharis*; site of infection : rectum.

Distribution : India : West Bengal.

496. *C. dimidiata* var. *cul-toniana* de Mello, 1930

Host : *Rana cyamophlyctis*; site of infection : rectum.

Distribution : India : Goa.

497. *C. hylae* Khan, 1962

Host : *Hyla arborea*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

498. *C. lanecolata* (Bezzenberger, 1904)

Host : *Rana limnocharis*; site of infection : intestine and rectum.

Distribution : India : Manipur, Arunachal Pradesh.

499. *C. naglavensis* Uttangi, 1952

(= *C. dimidiata naglavensis* Uttangi, 1952)

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Karnataka.

500. *C. longa* (Bezzenberger, 1904)

Host : *Bufo melanostictus*, *Kaloula pulchra*, *Rana cyanophlyctis*, *R. limnocharis*, *R. tigerina*, *Rhacophorus maculatus*; site of infection : rectum.

Distribution : India : West Bengal, Goa.

501. *C. philauti* Uttangi, 1951

Host : *Philatus* sp.; site of infection : rectum.

Distribution : India : Karnataka.

502. *C. scalpriformis* (Ghosh, 1918)

Host : *Bufo himalayanus*, *B. melanostictus*, *Kaloula pulchra*, *Microhyla ornata*, *Rana limnocharis*, *R. tigerina*; site of infection : rectum.

Distribution : India : West Bengal.

503. *C. scychellensis* var. *angusta* de Mello, 1932

Host : *Bufo melanostictus*, *Rana limnocharis*, *R. tigerina*; site of infection : rectum.

Distribution : India : Goa.

504. *C. srivastavi* Mukherjee and Chakraborty, 1989

Host : *Rhacophorus maculatus*; site of infection : rectum.

Distribution : India : West Bengal.

505. *C. subcylindrica* de Mello, 1932

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Goa.

506. *C. sundarbanensis* Gangopadhyay and Ray, 2005

Host : *Rana limnocharis*; site of infection : rectum.

Distribution : India : West Bengal.

407. *C. thiagi* de Mello, 1930

Host : *Rhacophorus maculatus*; site of infection : rectum.

Distribution : India : Goa.

508. *C. virgula* (Dobell, 1910)
(Syn. *Opalina virgula*)

Host : *Bufo melanostictus*, *Philautus* sp.; site of infection : rectum.

Distribution : India : Karnataka, Goa.

509. *C. sp.*

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Goa.

510. *C. sp.*

Host : *Rana tigerina*; site of infection : rectum.

Distribution : India : West Bengal.

Genus *Hegneriella* Earl, 1971

511. *H. mukundai* Chandra and Choudhury, 1980

Host : *Kaloula pulchra taprobanica*; site of infection : rectum.

Distribution : India : West Bengal.

Genus *Opalina* Purkinje and Valentin, 1835

A. *Opalina* in amphibians

512. *O. coracoidea* Bezenberger, 1904

Host : *Rana temporalis*, *R. limnocharis*, *Miorixalus saxicola*; site of infection : intestine and rectum.

Distribution : India : Karnataka, Goa.

513. *O. faber* Carini, 1933

Host : *Limnomectus limnocharis limnocharis*; site of infection : gut.

Distribution : India : West Bengal.

514. *O. japonica* Sujiyama, 1920

Host : *Upicruden systoma*; site of infection : rectum.

Distribution : India.

515. *O. lata* Bezenberger, 1904

Host : *Rana cyanophlyctis*, *Rana limnocharis*; site of infection : intestine and rectum.

Distribution : India : Goa, Manipur, Meghalaya, Arunachal Pradesh.

516. *O. lata* var. *cordata* de Mello, 1932

Host : *Rana limnocharis*; site of infection : intestine and rectum.

Distribution : India : Goa.

517. *O. plicata* Ghosh, 1919

Host : *Bufo melanostictus*; site of infection : intestine and rectum.

Distribution : India : West Bengal.

518. *O. ranarum* Purk and Val., 1835

Host : *Rana temporalis*, *R. limnocharis*, *Miorixalus saxicola*, *M. opisthorhodus*, *Bufo melanostictus*; site of infection : intestine and rectum.

Distribution : India : Karnataka, Goa.

519. *O. scalpriformis* Ghosh, 1919

Host : *Bufo himalayana*, *Bufo melanostictus*, *Rana tigrina*; site of infection : intestine and rectum.

Distribution : India : West Bengal, Uttar Pradesh, Goa.

520. *O. triangularis* Ghosh, 1919

Host : *Bufo melanostictus*; site of infection : intestine and rectum.

Distribution : India : West Bengal, Manipur, Meghalaya, Goa.

B. *Opalina* in reptiles521. *O. pali* Grewal, 1961

Host : *Varanus griseus*; site of infection : rectum.

Distribution : India : Punjab.

Genus *Protoopalina* Metcalf, 1918522. *P. asiatica* Uttangi, 1961

Host : *Tomopterna breviceps*; site of infection : rectum.

Distribution : India : Karanataka.

523. *P. caudata microhyla* Nie, 1935

Host : *Microhyla ornata*; site of infection : rectum.

Distribution : India : Maharashtra.

524. *Protoopalina chauhani* Mandal and Nair, 1975

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Andaman Islands.

525. *Protoopalina contorta* Nair and Mandal, 1974

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Andaman Islands.

526. *P. dharwarensis* Uttangi, 1951

Host : *Microhyla ornata*; site of infection : rectum.

Distribution : India : Karnataka.

527. *P. indica* Uttangi, 1951

Host : *Microhyla ornata*; site of infection : rectum.

Distribution : India : Karnataka.

528. *P. karnatakensis* Uttangi, 1951

Host : *Microhyla ornata*; site of infection : rectum.

Distribution : India : Karnataka.

529. *P. larvata* Uttangi, 1952

Host : *Rana limnocharis*; site of infection : rectum.

Distribution : India : Karnataka.

530. *P. lemiriae* Uttangi, 1952

Host : *Microhyla ornata*; site of infection : rectum.

Distribution : India : Karnataka.

531. *P. malabarica* Uttangi, 1961

Host : *Rana malabarica*, *Rana* sp.; site of infection : rectum.

Distribution : India : Karnataka.

532. *P. metcalfi* Uttangi, 1961

Host : *Microhyla ornata*; site of infection : rectum.

Distribution : India : Karnataka.

533. *P. ornata* Uttangi, 1961

Host : *Microhyla ornata*; site of infection : rectum.

Distribution : India : Karnataka.

534. *P. sp.*

Host : *Kalouta pulchra*, *Rana tigerina*; site of infection : rectum.

Distribution : India.

Genus *Zelleriella* Metcalf 1920

535. *Z. froilanoi* Uttangi, 1951

Host : *Microhyla ornata*; site of infection : rectum.

Distribution : India : Karnataka.

536. *Z. indica* Uttangi, 1961

Host : *Microhyla ornata*; site of infection : rectum.

Distribution : India : Karnataka.

537 *Z. microhylae* Uttangi, 1951

Host : *Microhyla ornata*; site of infection : rectum.

Distribution : India : Karnataka.

538. *Z. sp.*

Host : *Kaloula pulchra*, *Rana tigerina*; site of infection : rectum.

Distribution : India : West Bengal.

Subphylum SARCODINA

Class LOBOSEA

Subclass GYMNAMEOBIA

Order AMOEBIDA

Suborder TUBULINA

Family ENDAMOEBIDAE

Genus *Entamoeba* Casagrandi and Barbagallo, 1895

A. *Entamoeba* in reptiles

539. *E. flaviviridis* Knowles and Das Gupta, 1935

Host : *Hemidactylus flaviviridis*; site of infection : intestine.

Distribution : India : West Bengal.

540. *E. invadens* Rodhain, 1934

Host : Lizards; site of infection : intestine and rectum.

Distribution : India.

541. *E. knowlesi* Knowles and Das Gupta, 1930

Host : Indian Turtle; site of infection : intestine.

Distribution : India : West Bengal.

542. *E. terrapina* Knowles and Das Gupta, 1930

Host : Indian Turtle; site of infection : intestine.

Distribution : India : West Bengal.

543. *E. sp.*

Host : *Trionyx gangeticus*; site of infection : intestine.

Distribution : India.

B. *Entamoeba* in mammals

544. *E. bovis* (Liebetanz, 1905)

Host : Indian Bison, *Bos gaurus*; site of infection : intestine (faces)

Distribution : India.

545. *E. antilocapra*

Host : *Boselaphus tragocamelus*; site of infection : intestine (stool)

Distribution : India.

546. *E. cervis* Mandal and Choudhury, 1981

Host : *Axis axis*, *Macaca mulatta*; site of infection : intestine.

Distribution : India : West Bengal.

547. *E. chattoni* Swellengrebel, 1914

Host : *Macaca mulatta*; site of infection : large intestine.

Distribution : India : West Bengal.

548. *E. chiropteris* Mandal and Choudhury, 1986

Host : *Scotophilus kuhli kuhli*; site of infection : intestine.

Distribution : India : West Bengal.

549. *E. coli* (Grassi, 1879)

Host : *Homo sapiens*, *Macaca mulatta*; site of infection : caecum and colon.

Distribution : India : West Bengal, Delhi, Maharashtra, cosmopolitan.

550. *E. histolytica* Schaudinn, 1903

Host : *Homo sapiens*, *Macaca mulatta*, *Panthera leo*, *Pan troglodytes*, *Mandrillus sphinx*, *Cynocephalus mona*, *Chaeropithecus sp.*, *Cercocebus torquatus*, *Atles geoffroyi*, (in fact, in man and many other primates, as well as dog, cat, pig, rat, and possibly cattle); site of infection : large intestine, sometimes liver, occasionally lungs, and rarely brain, spleen, etc.

Distribution : India : Andhra Pradesh, West Bengal, Delhi, Maharashtra, cosmopolitan.

551. *E. muris* (Grassi, 1879)

Host : *Rattus rattus arboreus* as well as in rats, mice and golden hamster; site of infection : caecum and colon.

Distribution : India : West Bengal.

552. *E. ovis* Swellengrebel, 1914

Host : *Capra hircus*; site of infection : rumen.

Distribution : India : West Bengal.

553. *E. suis* Hartmann, 1913*Host* : *Sus scrofa scrofa*; site of infection : caecum and colon.*Distribution* : India : West Bengal.Genus *Iodamoeba* Dobell, 1919554. *I. butschlii* (Prowazek, 1912)*Host* : *Macaca mulata*, *Sus scrofa scrofa*; site of infection : intestine.*Distribution* : India : West Bengal, cosmopolitan.

Suborder FLABELLINA

Family ?

Genus *Rosculus* Hawes, 1963A. *Rosculus* in crustaceans555. *R. macrobrachii* Aravindan *et al.*, 2002*Host* : *Macrobrachium rosenbergii*; site of infection : muscle*Distribution* : India : Andhra Pradesh.B. *Rosculus* in reptiles556. *R. tropidonoti* Kalavati and Lakshminarayana, 1982*Host* : *Tropidonotus piscator*; site of infection : rectum.*Distribution* : India : Andhra Pradesh.

Incertae sedis to subphylum Sarcodina

Genus *Malomoeba* Taylor and King, 1937557. *M. indica* Narasimhamurti and Ahmed, 1980*Host* : *Painted grasshopper*, *Poecilocera picta*; site of infection : malpighian tubules.*Distribution* : India : Andhra Pradesh.Genus *Dobellina* Purkinje and Valentin, 1835558. *D. rayi* Misra, 1941*Host* : *Varanus monitor*; site of infection : intestine.*Distribution* : India.

Phylum	APICOMPLEXA
Class	SPOROZOEIA
Subclass	GREGARINIA
Order	EUGREGARINIDA
Suborder	ASEPTATINA
Family	SELENIDIDAE

Genus *Selenidium* Gaird, 1884

559. *S. amphipnemi* Bhatia and Setna, 1938

Host : *Amphipneme rostata*; site of infection : intestine.

Distribution : Andaman Islands (Port Blair).

560. *S. polydorae* Ganapati, 1946

Host : *Polydora ciliata*; site of infection : intestine.

Distribution : India : Madras coast (Tamil Nadu).

561. *S. spinosis* Ganapati, 1946

Host : *Prionospio cirrifer*; site of infection : intestine.

Distribution : India : Madras coast (Tamil Nadu).

Family LECUDINIDAE

Genus *Lecudina* Mingazzini, 1891

562. *L. bhatiai* Levine, 1970

(Syn. *L. eunicae* Bhatia and Setna, 1938)

Host : *Eunice sicilensis*; site of infection : gut.

Distribution : India : Andhra Pradesh.

563. *L. brasili* Ganapati and Aiyar, 1937

Host : *Lumbriconereis* sp.; site of infection : intestine.

Distribution : India : Tamil Nadu.

564. *L. ganapatii* Vivier *et al.*, 1964

(syn. *L. pellucida* (vor Kolliker, 1848))

Host : *Perinereis chilkaensis*; site of infection : intestine.

Distribution : India : Madras coast (Tamil Nadu).

565. *L. indica* Ganapati, 1946

Host : *Lycastis indica*; site of infection : intestine.

Distribution : India : Tamil Nadu.

566. *L. krusadiensis* Ganapati, 1946

Host : *Platynereis abnormis*; site of infection : intestine.

Distribution : India : Tamil Nadu.

567. *L. longicephala* Ganapati, 1946

Host : *Pisionidens indica*; site of infection : intestine

Distribution : India : Tamil Nadu

568. *L. lysidicae* Bhatia and Setna, 1938

Host : *Lysydice collaris*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Genus *Polyhabdina* Mingazzini, 1891569. *P. minuta* Ganapati, 1946

Host : *Prionospio cirrifer*; site of infection : intestine.

Distribution : India : Tamil Nadu.

Genus *Ulivina* Mingazzini, 1891570. *U. eunicae* Bhatia and Setna, 1938

Host : *Nereis siciliensis*; site of infection : intestine.

Distribution : India : Tamil Nadu.

Genus *Sycia* Leger, 1892571. *S. legeri* Ganapati, 1946

Host : *Cirratulus filiformis*; site of infection : intestine.

Distribution : India : Tamil Nadu.

572. *S. polydorae* Ganapati, 1946

Host : *Polydora ciliata*; site of infection : intestine.

Distribution : India : Tamil Nadu.

Genus *Bhatiella* Setna, 1931573. *B. marphysae* Setna, 1931

(syn. *Ferraria cornucephali* Setna, 1931)

Host : *Marphysa sanguinea*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Genus *Contortiocorpa* Bhatia and Setna, 1938574. *C. prashadi* Bhatia and Setna, 1938

Host : *Eunice siciliensis*; site of infection : intestine.

Distribution : India : Tamil Nadu.

Genus *Lankesteria* Mingazzini, 1891575. *L. culicis* Ross,

Host : *Aedes aegypti*; site of infection : body cavity.

Distribution : India.

576. *L. sp.*

Host : *Aedes albopictus*; site of infection : intestine.

Distribution : India : Maharashtra.

577. *L. sp.*

Host : *Aedes aegypti*; site of infection : intestine.

Distribution : India : Maharashtra.

578. *L. sp.*

Host : *Armigeres subalbatus*; site of infection : intestine.

Distribution : India : Maharashtra.

Genus *Monocystella* Valkanov, 1935

579. *M. leptoplanae* (Bhatia and Setna, 1924)

(syn. *Leidyana leptoplanae* Bhatia and Setna, 1924)

Host : *Leptoplana sp.*; site of infection : parenchyma.

Distribution : India.

Genus *Ascogregarina* Ward, Levine and Craig, 1982

580. *A. cheopisi* Mourya, Geevarghese and Gokhale, 1996

Host : *Xenopsylla (Xenopsylla) cheopis*; site of infection : gut.

Distribution : India : Maharashtra.

581. *A. culicis* (Ross, 1989)

(syn : *Gregarina culicidis*, *Gregarina culicis*, *Ascocystis culicis*, *Lankesteria culicis*)

Host : *Aedes (Stegomyia) aegypti*; site of infection : midgut and malpighian tubules.

Distribution : India : West Bengal.

582. *A. mackiei* (Shortt and Swaminath, 1927)

(syn. *Monocystis mackiei*, *Lankesteria mackiei*, *Ascocystis mackiei*)

Host : *Phlebotomus argentipes*, *Phlebotomus papatasi*; site of infection : intestine.

Distribution : India : West Bengal.

583. *A. sp.*

(syn. *Lankestesia sp.*)

Host : *Aedes albopictus*, *A. aegypti*, *A. subalbatus*; site of infection : intestine.

Distribution : India : Maharashtra.

Genus *Extremocystis* Setna, 1931

584. *E. dendrostomi* Setna, 1931

Host : *Dendrostoma signifier*; site of infection : coelom.

Distribution : India.

Family MONOCYSTIDAE
Subfamily MONOCYSTINAE
Genus *Monocystis* Stein, 1848

585. *M. anynthe* Bandyopadhyay, Gocmen, Bhowmick and Mitra, 2006
Host : *Amyntes hawayensis* ; site of infection : seminal vesicle.
Distribution : India : West Bengal.

586. *M. apporectodae* Bandyopadhyay, Mallik, Gocmen and Mitra, 2006
Host : *Apporectodea trapezoides* ; site of infection : seminal vesicle.
Distribution : India : West Bengal.

587. *M. barasatansis* Chakraborty and Bandhyopadhyay, 2007
Host : *Metaphire houlleti*; site of infection : seminal vesicle.
Distribution : India : West Bengal.

588. *M. beddardi* Ghosh, 1923
Host : *Eutyphoeus nicholsoni*, *Eutyphoeus* sp.; site of infection : seminal vesicle.
Distribution : India : West Bengal, Uttar Pradesh.

589. *M. bengalensis* Ghosh, 1923
Host : *Pheretima posthuma*; site of infection : seminal vesicle.
Distribution : India : West Bengal.

590. *M. clubae* Bandyopadhyay Mitra and Mallick, 2006
Host : *Lampito mauritii*; site of infection : seminal vesicles.
Distribution : India : West Bengal.

591. *M. darjeelingensis* Bandhyopadhyay and Mitra, 2005
Host : *Metaphire houlleti*; site of infection : seminal vesicle.
Distribution : India : West Bengal.

592. *M. lalbagensis* Bandhyopadhyay *et al.*, 2001
Host : *Metaphire (Pheretima) posthuma*; site of infection : seminal vesicle.
Distribution : India : West Bengal.

593. *M. levinei* Bandhyopadhyay *et al.*, 2001
Host : *Eutyphoeus incommodatus*; site of infection : seminal vesicle.
Distribution : India : West Bengal.

594. *M. lloidi* Ghosh, 1923

Host : *Pheretima posthuma*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

595. *M. metaphirae* Bandyopadhyay, Mallik, Gocmen and Mitra, 2006

Host : *Metaphire houlleti* ; site of infection : seminal vesicle.

Distribution : India : West Bengal.

596. *M. odontotermis* Kalavati, 1979

Host : *Odontotermes obesus*; site of infection : haemocoel.

Distribution : India : Andhra Pradesh.

597. *M. pheretimae* Bhatia and Chatterjee, 1925

Host : *Pheretima posthuma*; site of infection : seminal vesicle.

Distribution : India : Punjab, Maharashtra.

598. *M. pontodrilli* Subba Rao, Kalavati and Narasimhamurti, 1978

Host : *Pontodrilus bermudensis*; site of infection : coelomic fluid and between the body muscles.

Distribution : India : Andhra Pradesh.

599. *M. ranaghatensis* Bandhyopadhyay and Mitra, 2005

Host : *Metaphire toulleti*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

600. *M. senchalensis* Pradhan and Das Gupta, 1982

Host : *Apporectoidea trapezoids*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

Genus *Nematocystis* Hesse, 1909

601. *N. bengalensis* Roy Chowdhury and Haldar, 1984

Host : *Eutyphaeus incommodatus*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

602. *N. indicus* Bandyopadhyay, Mitra and Bhowmik, 2006

Host : *Perionyx excavatus* ; site of infection : seminal vesicle.

Distribution : India : West Bengal.

603. *N. levinei* Pradhan and Dasgupta, 1980

Host : *Eutyphaeus gammei*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

604. *N. manpooensis* Pradhan and Dasgupta, 1980

Host : *Eutyphaeus gammei*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

605. *N. maurtii* Roy Chowdhury and Haldar, 1984

Host : *Lamprito mauriti*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

606. *N. plurikaryosomata* Bhatia and Chatterjee, 1924

Host : *Allolobophora (Eisenia) foetida*; site of infection : seminal vesicle.

Distribution : India : Punjab

607. *N. quadrikaryosomata* Pradhan and Dasgupta, 1980

Host : *Pheretima differgens*; site of infection : coelomic fluid.

Distribution : India : West Bengal.

608. *N. senchalensis* Pradhan and Dasgupta, 1980

Host : *Apporectodea trapezoides*; site of infection : coelomic fluid.

Distribution : India : West Bengal.

609. *N. stephensoni* Bhatia and Setna, 1926

Host : *Eutyphaeus incommodus*; site of infection : seminal vesicles.

Distribution : India : Punjab (Kasauli).

610. *N. theodoridis* Pradhan and Dasgupta, 1980

Host : *Pheretima differgens*; site of infection : coelomic fluid.

Distribution : India : West Bengal.

Genus *Apolocystis* Cognetii de Martiis, 1923611. *A. akaryosomiferus* Pradhan and Dasgupta, 1982

Host : *Pheretima robusta*; site of infection : blood vessel.

Distribution : India : West Bengal.

612. *A. goomtiensis* Pradhan and Dasgupta, 1983

Host : *Pheretima differgens*; site of infection : coelomic fluid.

Distribution : India : West Bengal.

613. *A. mattheii* (Bhatia and Setna, 1926)

(syn. *Monocystis malthei* Shatia and Setna, 1926)

Host : *Megascolex trilobatus*; site of infection : seminal vesicles.

Distribution : India : Maharashtra.

614. *A. monokaryosomiferus* Pradhan and Dasgupta, 1983

Host : *Pheretima robusta*; site of infection : blood vessel.

Distribution : India : West Bengal.

615. *A. vacuolatus* Pradhan and Dasgupta, 1983

Host : *Pheretima alexandri*; site of infection : intestine.

Distribution : India : West Bengal.

Genus *Informis* Pradhan and Dasgupta, 1982

616. *I. informis* Pradhan and Dasgupta, 1982

Host : *Apporectodea trapezoides*; site of infection : coelomic fluid.

Distribution : India : West Bengal.

617. *I. pseudotentaculatus* Pradhan and Dasgupta, 1982

Host : *Apporectodea trapezoides*; site of infection : coelomic fluid.

Distribution : India : West Bengal.

Genus *Bisurculus* Pradhan and Dasgupta, 1982

618. *B. variegatus* Pradhan and Dasgupta, 1982

Host : *Amyntas hawayanus*; site of infection : coelomic fluid.

Distribution : India : West Bengal.

Subfamily ZYGOCYSTINAE

Genus *Zygocystis* von Stein, 1848

619. *Z. indicus* Pradhan and Dasgupta, 1983

Host : *Pheretima* (= *Metaphire*) *californica*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

620. *Z. perionyxae* Bandyopadhyay and Mitra, 2005

Host : *Perionyx gravelleyi* ; site of infection : coelomic fluid.

Distribution : India : West Bengal.

Subfamily RHYNCHOCYSTINAE

Genus *Rhynchocystis* Hesse, 1909

621. *R. awatii* Bhatia and Setna, 1926

Host : *Pheretima elongata*; site of infection : seminal vesicle.

Distribution : India : Maharashtra.

622. *R. cognetti* Bhatia and Chatterjee, 1925

Host : *Allolobophora caliginosa*; site of infection : seminal vesicle.

Distribution : India : Punjab.

623. *R. mamillata* Bhatia and Setna, 1926

Host : *Pheretima elongata*; site of infection : seminal vesicle.

Distribution : India : Maharashtra.

Genus *Dirhynchocystis* Cognetti de Martis, 1921624. *D. globosa* (Bhatia and Chatterjee, 1925)

(syn. *Echinocystis globosa* Bhatia and Chatterjee, 1925)

Host : *Pheretima posthuma*, *Eutyphoeus* sp.; site of infection : seminal vesicle.

Distribution : India : Maharashtra, Uttar Pradesh.

625. *D. indica* Bandyopadhyay and Mitra, 2006

Host : *Lamprito mauritii*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

Genus *Grayallia* Setna, 1927626. *G. quadrispina* Setna, 1927

Host : *Pheretima heterochaeta*; site of infection : ceolom.

Distribution : India : Maharashtra.

Subfamily STOMATOPHORINAE

Genus *Chakravartiella* Misra and Raychoudhury, 1973627. *C. krishnamurtyei* Sailaja, 1995

Host : *Thyropagus* sp.; site of infection : intestine.

Distribution : India : Andhra Pradesh.

628. *C. sugereiformes* Misra and Raychaudhury, 1973

Host : *Trigoniulus goesii*; site of infection : gut lumen.

Distribution : India : West Bengal.

Genus *Stomatophora* Drazeweki, 1907629. *S. bahli* Pradhan and Dasgupta, 1980

Host : *Pheretima differingens*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

630. *S. bulbifera* Bhatia and Setna, 1926

Host : *Pheretima elongata*; site of infection : seminal vesicle.

Distribution : India : Maharashtra.

631. *S. cloptoni* Bandyopadhyay and Mitra, 2005

Host : *Eudypocus orientalis*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

632. *S. diadema* Hesse, 1909

Host : *Pheretima posthuma*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

633. *S. globa* Pradhan and Das Gupta, 1980

Host : *Pheretima alexandri*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

634. *S. majumdari* Bandyopadhyay *et al.*, 2001

Host : *Metaphire posthuma*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

635. *S. pedongensis* Pradhan and Dasgupta, 1980

Host : *Pheretima differingens*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

436. *S. pradhanis* Roy Choudhury and Haldar, 1984

Host : *Metaphire* (= *Pheretima*) *posthuma*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

637. *S. primitiva* Bhatia and Setna, 1938

Host : *Eunice siciliensis*; site of infection : intestine.

Distribution : India : Andaman Islands.

Genus *Stomatocystis* Bandyopadhyay, Mitra and Goemen, 2006

638. *S. indica* Bandyopadhyay, Mitra and Gocmen, 2006

Host : *Amyntas diffringens*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

Family ENTEROCYSTIDAE

Genus *Enterocystis* Tsvetkov, 1926

639. *E. bengalensis* Sarkar, 1983

Host : *Psocatropos* sp.; site of infection : mid gut and hind gut.

Distribution : India : West Bengal.

Family DIPLOCYSTIDAE

Genus *Diplocystis* Kunstler, 1887640. *D. horni* Kalavati, 1977*Host* : *Odontotermes horni*; site of infection : fat body and haemocoel.*Distribution* : India : Andhra Pradesh.

Suborder SEPTATINA

Superfamily POROSPORICAE

Family POROSPORIDAE

Genus *Nematopsis* Schneider, 1892641. *N. annulipes* Prasad and Janardanan, 2001*Host* : *Uca annulipes*; site of infection : intestine*Distribution* : India : Kerala.642. *N. idella* Prasad and Janardanan, 1996*Host* : Freshwater prawn, *Macrobrachius idella*; site of infection : intestine.*Distribution* : India : Kerala.643. *N. matutae* (Ball, 1959)(syn. *Carcinoectes matutae* Ball, 1959)*Host* : *Matuta lunaris*; site of infection : intestine.*Distribution* : India : Maharashtra.644. *N. messor* Prasad and Janardanan, 2001*Host* : *Sesarma quadratum*; site of infection : intestine*Distribution* : India : Kerala.645. *N. parapeneopsis* (Setna and Bhatia, 1934)(syn. *Hirmocystis* (?) *parapeneopsisi* Setna and Bhatia, 1934; *Protomagalhensia* (?) *attenuata* Setna and Bhatia, 1934)*Host* : *Parapeneopsis sculptilis*; site of infection : intestine.*Distribution* : India : Maharashtra.646. *N. quadratum* Prasad and Janardanan, 2001*Host* : *Sesarma quadratum*; site of infection : intestine*Distribution* : India : Kerala.647. *N. rosenbergii* Shavanas *et al.*, 1989*Host* : *Macrobrachium rosenbergii*; site of infection : intestine.*Distribution* : India : Kerala.

Superfamily GREGARINICAE

Family CEPHALOIDOPHORIDAE

Genus *Cephaloidophora* Mavrodiadi, 1908

648. *C. metaplaxi* (Pearse, 1932)

(syn. *Steinina metaplaxi* Pearse, 1932)

Host : *Metaplax dentipes*; site of infection : intestine.

Distribution : India : West Bengal.

649. *C. etisi* (Ball, 1959)

(syn. *Carcinoectes etisi* Ball, 1959)

Host : *Etisus laevimanus*; site of infection : intestine.

Distribution : India : Maharashtra.

Genus *Caridohabitans* Ball, 1959

650. *C. dobsoni* Janardanan, 1978

Host : *Metapenaeus dobsoni*; site of infection : intestine.

Distribution : India : Kerala.

651. *C. indicus* Janardanan, 1978

Host : *Penaeus indicus*; site of infection : intestine.

Distribution : India : Kerala.

652. *C. macrobrachii* Kalavati and Aravindan, 1998

Host : *Macrobrachium rosenbergi*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

653. *C. setnai* Ball, 1959

Host : *Penaeus semisulcatus*; site of infection : midgut.

Distribution : India : Maharashtra.

654. *C. stylifera* Janardanan, 1978

Host : *Parapenaeopsis stylifera*; site of infection : intestine.

Distribution : India : Kerala.

Family CEPHALOLOBIDAE

Genus *Cephalolobus* Kruse, 1959

655. *C. andhrae* Kalavati and Aravindan, 1998

Host : *Penaeus indicus*; site of infection : pyloric stomach.

Distribution : India : Andhra Pradesh.

Family URADIOPHORIDAE

Genus *Uradiophora* Mercier, 1912656. *U. cuenoti* (Mercier, 1911)*Host* : Freshwater prawn, *Caridina* sp.; site of infection : intestine*Distribution* : India : Kerala.Genus *Heliospora* Goodrich, 1949657. *H.* sp.*Host* : *Caridina laevis*; site of infection : intestine.*Distribution* : India : Andhra Pradesh.

Family GREGARINIDAE

Genus *Gregarina* Dufour, 1866658. *G. alcidessi* Haldar and Chakravarty, 1978*Host* : *Alcedes* sp. nr. *Leopardus*; site of infection : midgut.*Distribution* : India : West Bengal.659. *G. ambigua* Amoji and Rodgi, 1976*Host* : *Forficula ambigua*; site of infection : midgut.*Distribution* : India : Karnataka.660. *G. amoji* Datta, Ghosh and Haldar, 1990*Host* : *Tribolium castaneum*; site of infection : midgut.*Distribution* : India : West Bengal.661. *G. basantii* Mandal and Ray, 2007*Host* : *Periplancta americana*; site of infection : midgut and hepatic caeca.*Distribution* : India : West Bengal.662. *G. basiconstrictones* Ghosh, Sengupta and Haldar, 1986*Host* : *Tribolium castaneum*; site of infection : midgut.*Distribution* : India : West Bengal.663. *G. bidari* Patil and Amoji, 1987*Host* : *Pseudoblaps* sp., *Rhytinota* sp.; site of infection : gut.*Distribution* : India : Karnataka, Maharashtra.664. *G. bilobosa* Kundu and Haldar, 1981*Host* : *Longitarsus* sp.; site of infection : midgut.*Distribution* : India : West Bengal.

665. *G. blattarum* Siebold, 1839

Host : *Periplaneta americana*; site of infection : intestine.

Distribution : India : Maharashtra, West Bengal.

666. *G. capritermitis* Desai, 1961

Host : *Capritermes incola*; site of infection : gut.

Distribution : India : Karnataka.

667. *G. chaetocnemae* Sarkar, 1984

Host : *Chaetocnema concinuipenis*; site of infection : gut.

Distribution : India : West Bengal.

668. *G. coptosomae* Sengupta and Haldar, 1996

Host : *Coptosoma* sp.; site of infection : gut.

Distribution : India : West Bengal.

669. *G. corcyrae* Gupta *et al.*, 1989

Host : *Corcyra cephalonica*; site of infection : gut.

Distribution : India : West Bengal.

670. *G. crenata* (Bhatia and Setna, 1914)

(Syn. *Caulocephalus crenatus* Bhatia and Setna, 1924)

Host : *Aulacophora foveicollis*; site of infection : alimentary canal.

Distribution : India : West Bengal.

671. *G. crescentica* Haldar and Chakravarty, 1978

Host : *Raphidopalpa stevensi*, *Amblyrrhinus* sp.; site of infection : midgut.

Distribution : India : Andhra Pradesh, West Bengal.

672. *G. cylindrosa* Haldar and Kundu, 1979

Host : *Supella supellectilium*; site of infection : midgut.

Distribution : India : West Bengal.

673. *G. dasguptai* Mandal *et al.*, 1986

Host : *Coccinella septempunctata*; site of infection : midgut.

Distribution : India : West Bengal.

674. *G. discocephala* Kundu and Haldar, 1981

Host : Nymph of Blattodea; site of infection : midgut and caecum

Distribution : India : West Bengal.

675. *G. fusipara* Boudoin and Maillard, 1972
(Syn. *G. pusipara* Boudoin and Maillard, 1972 of Amoji and Rodgi (1976) *lapsus calami*)
Host : *Hydrochara caraboides*; site of infection : intestine.
Distribution : India : Karnataka.
676. *G. gibbii* (Kaschef and Roshdy, 1966)
(Syn. *G. gibbi* (Kaschef and Roshdy, 1966 of Amoji and Rodgi, 1976 *lapsus calami*)
Host : *Gibbium psylloides*; site of infection : intestine.
Distribution : India : Karnataka.
677. *G. gryllodis* Haldar and Sarkar, 1980
(Syn. *G. gryllodesi* Haldar and Sarkar, 1980)
Host : *Gryllodes* sp. ; site of infection : intestinal caeca and midgut.
Distribution : India : West Bengal.
678. *G. gryllotalpae* Devdhar, 1962
Host : *Gryllotalpa africana*; site of infection : gut.
Distribution : India : Karnataka.
679. *G. gulbargaensis* Patil and Amoji, 1987
Host : *Scleron reitteri*; site of infection : gut.
Distribution : India : Karnataka.
680. *G. guttiventra* Haldar and Sarkar, 1980
Host : *Plebeogryllus guttiventra*; site of infection : intestinal caeca and midgut.
Distribution : India : West Bengal.
681. *G. hadenoeci* Semans, 1939
(Syn. *G. hadenoeci* Semans, 1939 of Amoji and Rodgi (1976) *lapsus calami*)
Host : *Hadenocus putaneus*; site of infection : intestine.
Distribution : India : Karnataka.
682. *G. havanuri* Patil and Amoji, 1987
Host : *Gonocephalum depressum*; site of infection : mid-intestine.
Distribution : India : Maharashtra, Karnataka.
683. *G. hyashii* Senguta and Haldar, 1996
Host : *Coccinella transversalis*; site of infection : midgut.
Distribution : India : West Bengal.

684. *G. indica* Devdhar, 1962

Host : *Heterogonia indica*; site of infection : gut.

Distribution : India : Karnataka.

685. *G. ischnopterera* Datta and Haldar, 1984

Host : *Ischnoptera* sp.; site of infection : midgut.

Distribution : India : West Bengal.

686. *G. jolivet* Theodorides, 1958

(Syn. *G. jolivet* Theodorides, 1958 of Amoji and Rodgi (1976) *lapssus calami*)

Host : *Hegeter tristis*, *Pachychita punctata*, *P. trisulcata*, *Pseudogena parvicollis*; site of infection : intestine.

Distribution : India : Karnataka.

687. *G. levinei* Haldar and Sarkar, 1980

(syn. *G. levinii* Haldar and Sarkar, 1980)

Host : *Pteronemobius fascipense*; site of infection : midgut.

Distribution : India : West Bengal.

888. *G. limnadiae* Uttangi, 1954

Host : *Limnadia* sp.; site of infection : midgut.

Distribution : India : Karnataka.

689. *G. lygeusi* Haldar, Ray and Gupta, 1982

Host : *Lygeus hopes*; site of infection : midgut.

Distribution : India : West Bengal.

690. *G. macrocephala* Lipa, 1967

(syn. *G. marracephalia* Lipa, 1967 of Amoji and Rodgi (1976) *lapsus calami*)

Host : *Aphobius depressus*; site of infection : intestine and gastric caeca.

Distribution : India : Karnataka.

691. *G. macrotermis* Kalavati and Narasimhamurti, 1978

Host : *Macrotermes estherae*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

692. *G. megaspora* Amoji and Rodgi, 1976

Host : *Forficula ambigua*; site of infection : midgut.

Distribution : India : Karnataka.

693. *G. mesomorphi* Devdhar, 1962

Host : *Mesomorphus velliger*; site of infection : gut.

Distribution : India : Karnataka.

694. *G. mukundai* Halдар and Kundu, 1980

Host : Nymph of Dictyoptera; site of infection : midgut.

Distribution : India : West Bengal.

695. *G. myllocerusi* Prasadan and Janardanan, 1993

Host : *Myllocerus curvicornis*; site of infection : intestine.

Distribution : Kerala.

696. *G. nalaе* Datta and Halдар, 1984

Host : *Nala lividipes*; site of infection : midgut.

Distribution : India : West Bengal.

697. *G. opatroidea* Patil and Amoji, 1987

Host : *Opatroides punctulatus*; site of infection : gut.

Distribution : India : Karnataka.

698. *G. phygasiae* Prema and Janardanan, 1991

Host : *Phygasia silacea*; site of infection : gut.

Distribution : India : Kerala

699. *G. poecilocerі* Ganapati and Mrytyunjaya Devi, 1954
(syn. *G. poeciloceram* Ganapati and Mrytyunjaya Devi, 1954)

Host : *Poecilocerus pictus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

700. *G. puruliensis* Modak *et al.*, 2008

Host : *Ducetia japonica*; site of infection : midgut.

Distribution : India : West Bengal.

701. *G. rhizoperthae* Gupta *et al.*, 1989

Host : *Rhipertha dominica*; site of infection : gut.

Distribution : India : West Bengal.

702. *G. sitophili* Saha, Ghosh and Halдар, 1997

Host : *Sitophilus oryzae*; site of infection : gut.

Distribution : India : West Bengal.

703. *G. spraguei* Halдар and Chakraborty, 1978

Host : Unnamed cuculionid beetle; site of infection : midgut.

Distribution : India : West Bengal.

704. *G. subramanii* Pushkala and Muralirangam, 1997

Host : *Euprepocnemis alacris alacris*; site of infection : gut.

Distribution : India : Tamil Nadu.

705. *G. uniducta* Devdhar, 1962

Host : *Tenebrionides mauritanica*; site of infection : gut.

Distribution : India : Karnataka.

706. *G. vannucephala* Sengupta and Haldar, 1996

Host : *Grylloides sp.*; site of infection : gut.

Distribution : India : West Bengal.

707. *G. veraniae* Datta, Ghosh and Haldar, 1991

Host : *Verania discolour*; site of infection : gut.

Distribution : India : West Bengal.

708. *G. wahrmani* Theodorides, 1955

(Syn. *G. wahrmani* Theodorides, 1955 of Amoji and Rodgi (1976) *lapsus calami*)

Host : *Scaurus puncticollis* var *rugicollis*; site of infection : not mentioned.

Distribution : India : Karnataka.

709. *G. xenocatantopa* Modak *et al.*, 2004

Host : *Xenocatantops humilig*; site of infection : midgut.

Distribution : India : West Bengal.

Genus *Anisolobus* Vincent, 1924

710. *A. indicus* Haldar, Ray and Bose, 1988

Host : *Coccinella septempunctata*; site of infection : midgut.

Distribution : India : West Bengal.

711. *A. royii* Das *et al.*, 1993

(Syn. *A. indicus* Roy, 1989)

Host : *Oryzaephilus mercator*; site of infection : intestine.

Distribution : India : West Bengal.

712. *A. triboli* Nandi *et al.*, 2004

Host : *Tribolium ferruginum*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

Genus *Garnhamia* Cruz, 1957

713. *G. aciculata* (Bhatia, 1938)

Host : *Lepisma saccharina*; site of infection : intestine.

Distribution : India : Tamil Nadu.

Family METAMERIDAE

Genus *Gopaliella* Ganapati, Kalavati and Sundaram, 1974

714. *G. marphysae* Ganapati, Kalavati and Sundaram, 1974

Host : *Marphysa gravenyi*; site of infection : gut.

Distribution : India : Andhra Pradesh, Tamil Nadu.

Genus *Deuteromera* Bhatia and Setna, 1938

715. *D. cleava* Bhatia and Setna, 1938

Host : *Eunice siciliensis*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Family DIDYMOPHYIDAE

Genus *Didymophyes* Stein, 1848

716. *D. orthophagi* Shailaja and Amoji, 1991

Host : *Orthophagus gazella*; site of infection : gut.

Distribution : India : Karnataka.

717. *D. gymnopleuri* Shailaja and Amoji, 1991

Host : *Gymnopleurus miliaris*; site of infection : gut.

Distribution : India : Karnataka.

718. *D. indiae* Kundu, Datta and Haldar, 1987

Host : *Euparatettix histricus*; site of infection : midgut and hepatic caeca.

Distribution : India : West Bengal.

719. *D. lipai* Ghose, Gupta and Haldar, 1987

Host : *Oryzaephilus mercator*; site of infection : midgut.

Distribution : India : West Bengal.

720. *D. orthopterae* Patra and Haldar, 2000

Host : *Euparatettix* sp.; *Ergatettix* sp.; site of infection : gut.

Distribution : India : West Bengal.

721. *D. oryzaeophilae* Ghose, Gupta and Haldar, 1987

Host : *Oryzaeophilus mercator*; site of infection : midgut.

Distribution : India : West Bengal.

722. *D. penaei* Kalavati and Aravindan, 1998

Host : *Penaeus monodon*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

723. *D. rigidus* Ghose, Gupta and Haldar, 1987

Host : *Oryzaeophilus mercator*; site of infection : midgut.

Distribution : India : West Bengal.

724. *D. tridactylae* Kundu, Datta and Haldar

Host : *Trydactylus* sp.; site of infection : midgut and hepatic caeca.

Distribution : India : West Bengal.

725. *D. tridactyli* Datta, Ghosh and Haldar, 1990

Host : *Trydactylus* sp. ; site of infection : midgut and hepatic caeca.

Distribution : India : West Bengal.

Genus *Laterospora* Haldar, Ray and Bose, 1988

726. *L. acridida* Chatterjee and Haldar, 2000

Host : Unidentified orthopteran nymph (Acrididae); site of infection : gut.

Distribution : India : West Bengal

727. *L. phenococca* Haldar, Ray and Bose, 1988

Host : *Phenococcus hirsutus*; site of infection : midgut.

Distribution : India : West Bengal.

728. *L. triboli* Modak and Haldar, 2002

Host : *Tribolium castaneum*; site of infection : gut.

Distribution : India : West Bengal.

729. *L. triducta* Modak and Haldar, 2002

Host : *Micraspis discolour*; site of infection : gut.

Distribution : India : West Bengal.

730. *L. sp.*

Host : *Coccinella transversallis*; site of infection : gut.

Distribution : India : West Bengal.

Genus *Liposcelis* Sarkar and Haldar, 1980731. *L. coronatus* Sarkar and Haldar

Host : *Liposcelis* sp. ; site of infection : midgut.

Distribution : India : West Bengal.

732. *L. dytiscusi* Kalavati and Prasada Rao, 1995

Host : *Dytiscus* sp.; site of infection : midgut.

Distribution : India : Andhra Pradesh.

Genus *Pleatospora* Sultanpurker and Amoji, 1985733. *P. termites* Sultanpurker and Amoji, 1985

Host : *Macrotermes estherae*; site of infection : gut.

Distribution : India : Karnataka

Genus *Quadruhyalodiscus* Kundu and Haldar, 1984734. *Q. gallerucidae* Kundu and Haldar, 1984

Host : *Gallerucida bicolor*; site of infection : midgut.

Distribution : India : West Bengal.

Family HIRMOCYSTIDAE

Genus *Hirmocystis* Labbe, 1899735. *H. alphetobiusi* Datta, Ghosh and Haldar, 1991

Host : *Alphetobius piceus*; site of infection : gut.

Distribution : India : West Bengal.

736. *H. antennae* Datta, Ghosh and Haldar, 1990

Host : *Phlaeoba antennata*; site of infection : gut.

Distribution : India : West Bengal.

737. *H. bengalensis* Haldar and Chakraborty, 1979

Host : *Mylocerus* sp. ; site of infection : gut epithelium.

Distribution : India : West Bengal.

738. *H. capritermes* Uttangi and Desai, 1961

Host : *Capritermes incola*; site of infection : oesophagus and foregut.

Distribution : India : Karnataka.

739. *H. clorinis* Chatterjee and Haldar, 2004

Host : *Cleorina* sp.; site of infection : gut.

Distribution : India : West Bengal.

740. *H. cloptoni* Modak and Haldar, 2002

Host : *Tribolium castaneum*; site of infection : gut.

Distribution : India : West Bengal.

741. *H. coccinelli* Datta, Ghosh and Haldar, 1990

Host : *Coccinella transversalis*; site of infection : gut.

Distribution : India : West Bengal.

742. *H. corcyris* Chatterjee and Haldar, 2004

Host : *Corcyra cephalonica*; site of infection : gut.

Distribution : India : West Bengal.

743. *H. curvicornis* Prasad and Janardanan, 1993

Host : *Mylocerus curvicornis*; site of infection : intestine.

Distribution : India : Kerala.

744. *H. dharwarensis* Uttangi and Desai, 1962

Host : *Speculitermes cyclops sinhalensis*; site of infection : foregut.

Distribution : India : Karnataka.

745. *H. ganulata* Bala and Kaur, 1988

Host : *Mylocerus undecimpustulatus maculosus*; site of infection : gut.

Distribution : India : Punjab.

746. *H. haplosomae* Kundu and Haldar, 1981

Host : *Haplosoma unicolor*; site of infection : midgut.

Distribution : India : West Bengal.

747. *H. incola* Uttangi and Desai, 1961

Host : *Capritermes incola*; site of infection : gut.

Distribution : India : Karnataka.

748. *H. indica* Uttangi and Desai, 1961

Host : *Capritermes incola*; site of infection : gut.

Distribution : India : Karnataka.

749. *H. lepropi* Haldar and Chakraborty, 1981

Host : *Lepropus* sp.; site of infection : midgut.

Distribution : India : West Bengal.

750. *H. lophocateri* Ghose and Haldar, 1989

Host : *Lophocateres pusillus*; site of infection : gut.

Distribution : India : West Bengal.

751. *H. minuta* (Ishii, 194)

Host : *Oryzaephilus mercator*; site of infection : intestine.

Distribution : India : West Bengal.

752. *H. murtii* Datta, Ghosh and Haldar, 1990

Host : *Gesonula punctifrons*; site of infection : gut.

Distribution : India : West Bengal.

753. *H. oxeata* Ghose, Sengupta and Haldar, 1986

Host : *Tribolium castaneum*; site of infection : gut.

Distribution : India : West Bengal.

754. *H. oxyae* Mandal and Ray, 2007

Host : *Oxya fusesvitata*; site of infection : midgut.

Distribution : India : West Bengal.

755. *H. palorusi* Saha, Haldar and Ghosh, 1995

Host : *Palorus ratzeburgii*; site of infection : gut.

Distribution : India : West Bengal.

756. *H. pitcharis* Haldar and Chakraborty, 1979

Host : *Xanthoprochilus* sp.; site of infection : midgut.

Distribution : India : West Bengal.

757. *H. pseudoductis* Haldar and chakraborty, 1979

Host : *Myloceros* sp. ; site of infection : midgut.

Distribution : India : West Bengal.

758. *H. psyllae* Mandal and Ray, 2008

Host : *Psylla* sp.; site of infection : midgut.

Distribution : India : West Bengal.

759. *H. speculitermitis* Uttangi and Desai, 1962

(Syn. *H. speculotermis* Uttangi and Desai, 1962)

Host : *Speculitermes cyclops sinhalensis*; site of infection : foregut.

Distribution : India : Karnataka.

760. *H. theoderidisi* Kundu and Haldar, 1981

Host : *Gryllotalpa africana*; site of infection : midgut.

Distribution : India : West Bengal.

761. *H. triboli* Ghose and Haldar, 1989

Host : *Tribolium castaneum*; site of infection : gut.

Distribution : India : West Bengal.

Genus *Hyalospora* Schneider, 1875

762. *H. onthophaga* Shailaja and Amoji, 1992

Host : *Onthophagus dama*; site of infection : gut.

Distribution : India : Karnataka.

Genus *Dumbbellicephalus* Bala and Kaur, 1988

763. *D. haldari* Bala and Kaur, 1988

Host : *Aulacophora foeveicollis*; site of infection : gut.

Distribution : India : Punjab.

Genus *Euspora* Schneider, 1875

764. *E. mesomorphi* Devdhar and Despande, 1977

Host : *Mesomorphus velliger*; site of infection : gut.

Distribution : Karnataka.

Genus *Arachnocystis* Levine, 1979

765. *A. arachnoidea* (Devdhar and Gourishankar, 1971)

(Syn. *Sycia arachnoidea* Devdhar and Gourishankar, 1971)

Host : *Opalnia* sp.; site of infection : intestine.

Distribution : India : Karnataka.

Genus *Retractocephalus* Haldar and Chakraborty, 1976

766. *R. aulacophorae* Haldar, Chakraborty and Kundu, 1982

Host : *Aulacophora intermedia*; site of infection : midgut.

Distribution : India : West Bengal.

767. *R. corcyrae* Nandi *et al.*, 2004

Host : *Corcyra cephalonica*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

768. *R. dhawanii* Pushkala *et al.*, 2000

Host : *Attractomorpha crenulata*; site of infection : gut.

Distribution : Tamil Nadu.

769. *R. halticae* Haldar Chakraborty and Kundu, 1982
(Syn. *R. halticus* Haldar *et al.*, 1982)

Host : *Haltica* sp.; site of infection : midgut.

Distribution : India : West Bengal.

770. *R. melanopli* Kalavati and Krishnamurty, 1989

Host : *Melanoplus* sp.; site of infection : midgut.

Distribution : India : Andhra Pradesh.

771. *R. raphidopalpae* Haldar and Chakraborty, 1976
(Syn. *R. raphidopalpae* Haldar and Chakraborty, 1976)

Host : *Raphidopalpa* (= *Aulacophora*) *foveicollis*; site of infection : midgut.

Distribution : India : West Bengal.

772. *R. spatulatus* Haldar Chakraborty and Kundu, 1982

Host : *Lema* sp.; site of infection : midgut.

Distribution : India : West Bengal.

773. *R. spinosus* Haldar Chakraborty and Kundu, 1982

Host : *Monolepta signata*; site of infection : midgut.

Distribution : India : West Bengal.

774. *R. waltairensis* Rajakumari and Narasimhamurti, 1984

Host : *Raphidopalpa stevensi*; site of infection : malpighian tubules and haemocoel.

Distribution : India : Andhra Pradesh.

Family NEOHIRMOCYSTIDAE

Genus *Neohirmocystis* Ghose, Ray and Haldar, 1986

775. *N. dercitini* Ghose, Ray and Haldar, 1986

Host : *Dercetina* sp.; site of infection : midgut.

Distribution : India : West Bengal.

776. *N. grassei* Ghose, Ray and Haldar, 1986

Host : *Tribolium castaneum*; site of infection : midgut.

Distribution : India : West Bengal.

Superfamily STENOPHORICAE

Family STENOPHORIDAE

Genus *Stenophora* Labbe, 1899

777. *S. cassidiformis* Rodgi and Ball, 1961

Host : *Strongylosoma* sp.; site of infection : intestine.

Distribution : Karnataka.

778. *S. conjugata* Rodgi and Ball, 1961

Host : *Thyropygus nigrilabiatu*s; site of infection : intestine.

Distribution : Karnataka.

779. *S. ellipsoidi* Chakravarty, 1934

Host : *Diplopoda* sp.; site of infection : midgut.

Distribution : India : West Bengal.

780. *S. falciformis* Rodgi and Ball, 1961

Host : *Thyropygus* sp.; site of infection : intestine.

Distribution : India : Karnataka.

781. *S. gongylorghi* Amoji and Rodgi, 1970

Host : *Gongylorrihus* sp.; site of infection : intestine.

Distribution : India : Karnataka.

782. *S. karnataki* Karandikar and Rodgi, 1956

Host : *Thyropygus* sp.; site of infection : intestine.

Distribution : India : Karnataka.

783. *S. khagendrae* Ray, 1933

Host : *Zikadesmus* sp.; site of infection : midgut.

Distribution : India : West Bengal.

784. *S. mahabaleshwari* Amoji and Rodgi, 1972

Host : *Strongylosoma* sp.; *Chondromorpha severini*; site of infection : intestine.

Distribution : India : Maharashtra.

785. *S. mruthunjayi* Rodgi and Amoji, 1970

Host : *Chondromorpha kelaarti*; site of infection : intestine.

Distribution : India : Karnataka, Maharashtra.

786. *S. negotiosus* Ramachandran, 1974

Host : *Phyllogonostreptus negotiosus*; site of infection : midgut.

Distribution : India : Kerala.

787. *S. nematoides* Leger and Dubosq, 1903

Host : *Chondromorpha severini*; site of infection : intestine.

Distribution : India : Maharashtra.

788. *S. ovoidalis* Karandikar and Rodgi, 1956

Host : *Chondromorpha kelaarti*; site of infection : intestine.

Distribution : India : Karnataka.

789. *S. ozakii* Hukui, 1955

Host : *Chondromorpha severini*; site of infection : intestine.

Distribution : India : Maharashtra.

790. *S. papillata* Karandikar and Rodgi, 1956

Host : *Thyropygus nigrolabiatu*s; site of infection : intestine.

Distribution : India : Karnataka.

791. *S. procidua* Rodgi and Ball, 1961

Host : Unnamed millipede; site of infection : intestine.

Distribution : India : Karnataka.

792. *S. shyamaprashadi* Chakravarty, 1939

Host : *Carmocephalus dentipes*; site of infection : intestine.

Distribution : India : West Bengal.

793. *S. thyrogluti* Ganapati and Narasimhamurti, 1962

Host : *Thyroglutius* sp.; site of infection : intestine.

Distribution : India : Andhra Pradesh.

794. *S. thyropygi* (Rodgi and Ball, 1961)

(Syn. *Actinocephalus thyropygi* Rodgi and Ball, 1961)

Host : *Thyropygus minusculus*; site of infection : intestine.

Distribution : India : Karnataka.

795. *S. tubulosus* Karandikar and Rodgi, 1956

Host : *Chondromorpha kelaarti*; site of infection : intestine.

Distribution : India : Karnataka.

796. *S. xenoboli* Ganapati and Narasimhamurti, 1956

Host : *Xenobolus* sp.; site of infection : intestine.

Distribution : India : Andhra Pradesh.

797. *S. sp.*

Host : *Strongylosoma contortipes*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

798. *S. sp.*

Host : *Stroglylosoma contortipes*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

799. *S. sp.*

Host : *Strongylosoma contortipes*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

Genus *Hyalosporina* Chakraborty, 1935

800. *H. cambolopsis* (Chakravaty, 1935)

(Syn. *S. cambolopsisae* Chakravarty, 1935)

Host : *Cambolopsis sp.*; site of infection : alimentary canal.

Distribution : India : West Bengal.

801. *H. froilanoi* Karandikar and Rodgi, 1956

Host : *Chondromorpha keelarti*, *Chondromorpha severini*; site of infection : intestine.

Distribution : India : Karnataka.

802. *H. enthophaga* Shailaja and Amoji, 1992

Host : *Onthophaga doma*; site of infection : gut.

Distribution : India : Karnataka.

803. *H. rayi* Chakravarty and Mitra, 1936

Host : *Polydesmus sp.*; *Strongylosoma contortipes*, *Chondromorpha kelaarti*, *Chondromorpha severini*; site of infection : alimentary canal.

Distribution : India : West Bengal

804. *H. zebriaca* Karandikar and Rodgi, 1956

Host : *Arthrosphaera zebriaca*; site of infection : intestine.

Distribution : India : Karnataka.

Genus *Stephanospora* Prema and Janardanan, 1989

805. *S. paratelpusae* Prema and Janardanan, 1989

Host : *Paratelpusa hydrodromus*; site of infection : intestine.

Distribution : India : Kerala.

Family LEIDYANIDAE

Genus *Leidyana* Watson, 1915

806. *L. bimaculata* Hoogar and Amoji, 1986

Host : *Gryllus bimaculatus*; site of infection : gut.

Distribution : India : Karnataka.

807. *L. cephalonica* Ghosh (Mitra) and Choudhury. 1992

Host : *Corcyra cephalonica*; site of infection : gut.

Distribution : India : West Bengal.

808. *L. cephalonii* Saha, Haldar and Ghosh, 1994

Host : *Corcyra cephalonica*; site of infection : gut.

Distribution : India : West Bengal.

809. *L. gnyanagangai* Patil and Amoji. 1979

Host : *Rhytinota tritis*; site of infection : gut.

Distribution : India : Karnataka.

810. *L. gryllorum* (Cuenot, 1897)

[Syn. *Stenophora gryllodes-sigillatae* Narain, 1961; *Leidyana gryllodes-sigillatae* (Narain, 1961)]

Host : *Gryllodes sigillatus*; site of infection : intestine.

Distribution : India.

811. *L. guttiventrisa* Sarkar, 1988

Host : *Plebeiogryllus guttiventris*; site of infection : midgut.

Distribution : India : West Bengal.

812. *L. linguata* Haldar and Sarkar, 1979

Host : *Pteronemobius concolor*; site of infection : midgut.

Distribution : India : West Bengal.

813. *L. kopheneae* Prema and Janardanan, 1992

Host : *Kophene minor*; site of infection : gut.

Distribution : India : Kerala.

814. *L. opisinae* Prema and Janardanan, 1988

Host : *Opisina arenosella*; site of infection : gut.

Distribution : India : Kerala.

815. *L. orthagae* Prema and Janardanan, 1988

Host : *Oryzaephilus mercator*; site of infection : gut.

Distribution : India : Kerala.

816. *L. oryzaephili* Roy, 1989

Host : *Oryzaephilus mercator*; site of infection : intestine.

Distribution : India : West Bengal.

817. *L. phereoecae* Prema and Janardanan, 1992

Host : *Phereoeca pachyspila*; site of infection : intestine.

Distribution : India : Kerala.

818. *L. subramanii* Pushkala and Muralirangam, 1998

Host : *Eyprepocnemis alacris alacris*; site of infection : intestine.

Distribution : India : Tamil Nadu.

Family MONODUCTIDAE

Genus *Monoductus* Ray and Chakravarty, 1933

819. *M. kelaarti* Karandikar and Rodgi, 1956

Host : *Chondromorpha kelaarti*; site of infection : intestine.

Distribution : India : Karnataka.

820. *M. longicollis* Amoji, 1978

Host : *Strongylosoma* sp.; site of infection : proventriculus.

Distribution : India : Karnataka.

821. *M. lunatus* Ray and Chakravarty, 1933

Host : *Strongylosoma contortipes*, *Chondromorpha kelaarti*; site of infection : intestine.

Distribution : India : Andhra Pradesh, West Bengal, Maharashtra.

822. *M. spinicephalus* Amoji, 1978

Host : *Chondromorpha kelaarti*, *Chondromorpha severini*; site of infection : proventriculus.

Distribution : India : Karnataka.

823. *M. tubulosus* Karandikar and Rodgi, 1956

Host : *Chondromorpha kelaarti*, *Chondromorpha severini*; site of infection : intestine.

Distribution : India : Karnataka.

Genus *Stenoductus* Ramachandran, 1976

824. *S. kannanorensis* Prasad and Janardanan, 1995

Host : *Janardananepus kannanorensis*; site of infection : intestine.

Distribution : India : Kerala.

825. *S. carlogoni* Janardanan, 1978

(Syn. *Stenoductus carlogoni* Janardanan and Ramachandran, 1979)

Host : *Carlogonus palmatus*; site of infection : intestine.

Distribution : India : Kerala.

826. *S. chondromorphi* Janardanan, 1978

Host : *Chondromorpha kelaarti*; site of infection : intestine.

Distribution : India : Kerala.

827. *S. demangei* Prasad and Janardanan, 1995

Host : *Janardananepus kannanorensis*; site of infection : intestine.

Distribution : India : Kerala.

828. *S. disticta* Janardanan, 1978

(Syn. *Stenoductus disticta* Janardanan and Ramachandran, 1983)

Host : *Arthrosphaera disticta*, *Arthrosphaera daly*, *Arthrosphaera* sp.; site of infection : intestine.

Distribution : India : Kerala.

829. *S. gordanus* Ramachandran, 1976

Host : *Narceus gordanus*; site of infection : intestine.

Distribution : India : Kerala.

830. *S. kalorthomorphae* Prema and Janardanan, 1991

Host : *Kalorthomorpha* sp.; site of infection : intestine.

Distribution : India : Kerala.

831. *S. kelaarti* Prasad and Janardanan, 1994

Host : *Chondromorpha kelaarti*; site of infection : intestine.

Distribution : India : Kerala.

832. *S. ktenostrepti* Janardanan, 1978

Host : *Ktenostreptus calcaratus*; site of infection : intestine.

Distribution : India : Kerala.

833. *S. nitida* Janardanan, 1978

(Syn. *Stenoductus nitida* Janardanan and Ramachandran, 1983)

Host : *Arthrosphaera nitidus*; site of infection : intestine.

Distribution : India : Kerala.

834. *S. organognathi* Janardanan, 1978

(Syn. *Stenodactylus organognathi* Janardanan and Ramachandran, 1982)

Host : *Organognathus janardhanani*, *Fageostreptus hyatti*; site of infection : intestine.

Distribution : India : Kerala.

835. *S. penneri* Ramachandran, 1976

Host : *Loridobolus penneri*; site of infection : intestine.

Distribution : India : Kerala.

836. *S. polydesmi* Janardanan, 1978

(Syn. *Stenoductus polydesmi* Janardanan and Ramachandran, 1983)

Host : *Polydesmus* sp.; site of infection : intestine.

Distribution : India : Kerala.

837. *S. trigoniuli* Janardanan, 1978

(Syn. *Stenoductus trigoniuli* Janardanan and Ramachandran, 1982)

Host : *Trigoniulus goes*, *Xenobolus acuticonus*; site of infection : intestine.

Distribution : India : Kerala.

838. *S. xenoboli* Janardanan, 1978

(Syn. *Stenoductus xenoboli* Janardanan and Ramachandran, 1982)

Host : *Xenobolus acuticonus*, *Aulacobolus graveleyi*; site of infection : intestine.

Distribution : India : Kerala.

839. *S. wayanadensis* Prasad and Janardanan, 1994

Host : *Chondromorpha kelaarti*; site of infection : intestine.

Distribution : India : Kerala.

840. *S. sp.*

Host : *Chondromorpha kelaarti*; site of infection : intestine.

Distribution : India : Maharashtra.

Genus *Phleobum* Haldar and Chakraborty, 1974

841. *P. collarum* Kundu and Haldar, 1986

Host : *Phlaeoba infumata*; site of infection : midgut and hepatic caeca.

Distribution : India : West Bengal.

842. *P. gigantinum* Haldar and Chakraborty, 1974

Host : *Phleoba antennata*; site of infection : midgut.

Distribution : India : West Bengal.

Family SPHAEROCYSTIDAE

Genus *Sphaerocystis* Leger, 1892

843. *S. odontotermis* Kalavati and Narasimhamurti, 1980

(= *S. odontotermi* Kalavati and Narasimhamurti, 1980)

Host : *Odontotermes* sp.; site of infection : gut.

Distribution : India : Andhra Pradesh.

844. *S. termites* Desai and Uttangi, 1962

Host : *Capritermes incola*; site of infection : foregut.

Distribution : India : Karnataka.

Genus *Schneideria* Leger, 1892845. *S. quadrinotati* Amoji and Rodgi, 1973
(Syn. *S. quadrinotata*, Amoji and Rodgi, 1973)

Host : *Pirates quadrinotatus*; site of infection : gut.

Distribution : India : Karnataka.

Family DACTYLOPHORIDAE

Genus *Grebneckiella* Bhatia, 1938846. *G. navillae* (Mitra and Chakravarty, 1937)
(Syn. *Nina navillae* Mitra and Chakravarty, 1937)

Host : *Scolopendra* sp.; site of infection : intestine.

Distribution : India : West Bengal.

847. *G. pixellae* Misra, 1942

Host : *Scolopendra morsitans*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

848. *G. ramchandrani* Prema and Janardanan, 1987

Host : *Scolopendra moristans*; site of infection : intestine.

Distribution : India : Kerala.

Genus *Hentschelia* Pushkala *et al.*, 2000849. *H. gillii* Pushkala *et al.*, 2000

Host : *Oxya fuscovittata*; site of infection : gut.

Distribution : India : Tamil Nadu.

Genus *Dendrorhynchus* Keilin, 1920850. *D. keilini* Nazzer Ahmed and Narasimhamurti, 1979

Host : *Ceriagrion coromandelianum*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

Genus *Mecistophora* Ganapati and Narasimhamurti, 1960851. *M. legeri* Ganapati and Narasimhamurti, 1960

Host : *Mecistocephalus punctifrons*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Family AMPIPLATYSPORIDAE

Genus *Amphiplatyspora* Kundu and Haldar, 1984

852. *A. striata* Kundu and Haldar, 1984

Host : *Pteronemobius concolor*; site of infection : midgut.

Distribution : India : West Bengal.

Family STYLOCEPHALIDAE

Genus *Cystocephalus* Schneider, 1886

853. *C. devdharai* Patil and Amoji, 1979

Host : *Rhytinota impolita*, *Himatismus fasciculatus*.; site of infection : gut.

Distribution : India : Karnataka.

854. *C. gonocephali* Nandi *et al.*, 2004

Host : *Gonocephalum arenarium*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

855. *C. rhytinotus* Patil and Amoji, 1980

Host : *Rhytinota tristis*; site of infection : midgut.

Distribution : Karnataka.

Genus *Stylocephalus* Ellis, 1912

856. *S. apapillatus* Haldar and Chakraborty, 1979

Host : *Gonocephalum* sp.; site of infection : midgut.

Distribution : West Bengal.

857. *S. arenarium* Shailaja, 1978

Host : *Gonocephalum arenarium*; site of infection : gut.

Distribution : India : Andhra Pradesh.

858. *S. bahli* Misra, 1941

Host : *Gonocephalum helopioides*; site of infection : alimentary canal.

Distribution : India.

859. *S. conoides* Desai, 1965

Host : *Gonocephalum hoffmanseggi*; site of infection : intestine.

Distribution : India : Karnataka.

860. *S. depressicus* Patil and Amoji, 1984

Host : *Gonocephalum depressum*; site of infection : gut.

Distribution : India : Karnataka.

861. *S. gonocephali* Bhusana Rao, 1962

Host : *Gonocephalum arenarium*, *Gonocephalum brachyelytra*; site of infection : intestine.

Distribution : India : Andhra Pradesh

862. *S. heterotarsus*, Patil and Amoji, 1984

Host : *Heterotarsus indicus*; site of infection : gut.

Distribution : India : Karnataka.

863. *S. hoffmanseggi*, Devdhar and Amoji, 1977

Host : *Gonocephalum hoffmannseggi*; site of infection : intestine.

Distribution : India : Karnataka.

864. *S. indicus*, Misra, 1942

Host : *Opatroides (Penthius) vicinis*; site of infection : midgut.

Distribution : India.

865. *S. mesomorphi*, Devdhar, 1962

Host : *Gonocephalum hoffmannseggi*; site of infection : intestine.

Distribution : India : Karnataka.

866. *S. pseudoblapsis* Patil and Amoji, 1984

Host : *Pseudoblaps* sp.; site of infection : gut.

Distribution : India : Karnataka.

867. *S. punctulatus* Patil, 1982

Host : *Opatroides punctulatus*; site of infection : gut.

Distribution : India : Karnataka.

868. *S. serpentula* Devdhar and Amoji, 1977

Host : *Gonocephalum arenarium*. site of infection : midgut.

Distribution : India : Karnataka and Andhra Pradesh.

869. *S. tetraradiata* Modak and Haldar, 2006

Host : *Gonocephalum* sp.; site of infection : gut.

Distribution : India : West Bengal.

870. *S. sp.*

Host : *Chondromorpha kelaarti*; site of infection : intestine.

Distribution : India : Maharashtra.

Genus *Xiphicephalus* Corbel, 1971

871. *X. africanus* Theodorides, 1964

Host : *Rhytinota* sp.; site of infection : intestine.

Distribution : India : Maharashtra.

872. *X. gonocephali* Patil, 1982

(Syn. *X. gonocephali* Patil and Amoji, 1985)

Host : Tenebrionid beetle; site of infection : intestine.

Distribution : India : Karnataka.

873. *X. karnatakaensis* (Devdhar and Amoji, 1977)

(Syn. *Stylocephalus* (*X.*) *karnatakaensis* Devdhar and Amoji, 1977)

Host : *Gonocephalum hoffmannseggii*; site of infection : intestine.

Distribution : India : Karnataka.

874. *X. latipes* Patil and Amoji, 1985

Host : *Scleron latipes*; site of infection : intestine.

Distribution : India : Karnataka.

875. *X. reitteri* Patil, 1982

(Syn. *X. reitterae* Patil and Amoji, 1985)

Host : Tenebrionid beetle; site of infection : intestine.

Distribution : India : Karnataka.

876. *X. rhytinotus* Nandi *et al.*, 2004

Host : *Rhytinota* sp.; site of infection : midgut and haemocoel

Distribution : India : Andhra Pradesh.

Genus *Bulbocephalus* Watson, 1916

877. *B. indicus* Narain, 1961

Host : *Leiogryllus bimaculatus*; site of infection : midgut.

Distribution : India : Tamil Nadu.

Genus *Lepismatophila* Adams and Travis, 1935

878. *L. cornwalli* (Bhatia, 1938)

(Syn. *Gregarina cornwalli* Bhatia, 1938)

Host : *Lepisma saccharina*.; site of infection : midgut.

Distribution : India : Tamil Nadu.

879. *L. cruszi* Kundu and Haldar, 1984

Host : *Acrotelsa collaris*.; site of infection : midgut and verticular caeca.

Distribution : India : West Bengal.

880. *L. karnataki* Nimbargi and Rodgi, 1974

Host : *Ctenolepisma* sp.; site of infection : intestine.

Distribution : India : Karnataka.

881. *L. rhombocephala* Haldar and Chakraborty, 1977

Host : *Ctenolepisma nigra*, *Ctenolepisma rhombocephala*; site of infection : midgut and ventricular caeca.

Distribution : India : West Bengal.

Family ACTINOCEPHALIDAE

Subfamily ACTINOCEPHALINAE

Genus *Actinocephalus* Stein, 1848882. *A. bradinopygi* Narasimhamurti and Ahmed, 1980

Host : *Bradinopyga geminata*; site of infection : gut.

Distribution : India : Andhra Pradesh.

883. *A. capritermes* Desai and Uttangi, 1966

Host : *Capritermes incota*; site of infection : oesophagus

Distribution : India : Karnataka.

884. *A. ceriagrionae* Sarkar and Chakravarty, 1969

Host : *Ceriagrion coromandelianum*; site of infection : intestine.

Distribution : India : West Bengal.

885. *A. dermestica* Uttangi and Desai, 1964

Host : *Dermestes vulpinus*; site of infection : intestine.

Distribution : India : Karnataka.

886. *A. ellipsoidus* Sarkar and Haldar, 1981

Host : *Ischnura delicata*; site of infection : midgut.

Distribution : India : West Bengal.

887. *A. lasiodermæ* Anitha and Janardanan, 2006

Host : *Lasioderma serricorne*; site of infection : gut.

Distribution : India : Kerala

888. *A. longus* Sarkar, 1997

Host : *Enallagma pervum*; site of infection : gut.

Distribution : India : West Bengal.

Genus *Caulocephalus* Bhatia and Setna, 1924

889. *C. crenata* Bhatia and Setna

Host : *Aulcophorus foveicollis*; site of infection : alimentary canal.

Distribution : India : Punjab and West Bengal.

Genus *Pileocephalus* Schneider, 1875

890. *P. bengalensis* Modak and Haldar, 2001

Host : *Rhizopertha dominica*; site of infection : gut.

Distribution : India : West Bengal.

891. *P. orientalis* Devdhar and Despande, 1977

Host : *Haliphus* sp.; site of infection : gut.

Distribution : India : Karnataka.

892. *P. rhytinotae* Amoji and Rodgi, 1976

(Syn. *P. rhytinotus* Amoji and Rodgi, 1976)

Host : *Rhytinota impolita*; site of infection : intestine.

Distribution : India : Karnataka.

893. *P. seroicornii* Saha, Haldar and Ghosh, 1995

Host : *Lasioderma seriocorne*; site of infection : gut.

Distribution : India : West Bengal.

Genus *Anthorhynchus* Labbe, 1887

894. *A. hanumanthi* Kalavati and Narasimhamurti, 1978

Host : *Odontotermes* sp.; site of infection : midgut.

Distribution : India : Andhra Pradesh.

Genus *Acanthogregarina* Kalavati, Narasimhamurti and Vidyullatha Devi, 1988

895. *A. hoshidei* Kalavati, Narasimhamurti and Vidyullatha Devi, 1988

Host : *Leiogryllus* sp.; site of infection : gut.

Distribution : India : Andhra Pradesh.

Genus *Harendraia* Sarkar, 1984

896. *H. indicata* Sarkar, 1984

Host : *Ptinus* sp.; site of infection : midgut.

Distribution : India : West Bengal.

897. *H. murtii* Nandi, Kalavati, Das and Nandi, 2004

Host : *Gallerucida bicolor*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

Genus *Pyxinia* Hammerschmidt, 1838898. *P. reneae* Sarkar, 1984*Host* : *Evorinea iota*; site of infection : midgut.*Distribution* : India : West Bengal.899. *P. sp.**Host* : *Lasioderma serricorne*; site of infection : gut.*Distribution* : India.Genus *Steinina* Leger and Duboscq, 1904900. *S. alphitobii* Sarkar and Chakravarty, 1969(Syn. *S. alphitobiusae* Sarkar and Chakravarty, 1969)*Host* : *Alphitobius piceus*; site of infection : intestine.*Distribution* : India : West Bengal.901. *S. coptotermis* Kalavati and Narasimhamurti, 1978(Syn. *S. coptotermi* Kalavati and Narasimhamurti, 1978)*Host* : *Coptotermes heimi*; site of infection : mid and hind gut.*Distribution* : India : Andhra Pradesh.902. *S. gonocephali* Modak *et al.*, 2005*Host* : *Gonocephalum strigatum*; site of infection : midgut.*Distribution* : India : West Bengal.903. *S. indica* Mandal and Ray, 2008*Host* : *Psylla* sp.; site of infection : midgut.*Distribution* : India : West Bengal.904. *S. lunata* Kaur and Bala, 1988*Host* : *Mylocerus undecimpustulatus maculosus*; site of infection : gut.*Distribution* : India : Kerala.905. *S. microgoni* Sarkar and Chakravarty, 1969(Syn. *S. microgoansae* Sarkar and Chakravarty, 1969)*Host* : *Anoplogonius microgonus*; site of infection : intestine.*Distribution* : India : West Bengal.906. *S. palorusi* Gupta and Halder, 1987*Host* : *Palorus* sp.; site of infection : gut.*Distribution* : India : West Bengal.

907. *S. rodgii* Patil and Amoji, 1986

Host : *Heliocarpis* sp.; site of infection : gut.

Distribution : India : Andhra Pradesh.

908. *S. singhi* Ghose and Haldar, 1987

Host : *Palorus ratzebergii*; site of infection : gut.

Distribution : India : West Bengal.

909. *S. termitis* Uttangi and Desai, 1962

Host : *Speculitermes cyclops sinhalensis*; site of infection : foregut.

Distribution : India : Karnataka.

910. *S. triboli* Modak *et al.*, 2005

Host : *Tribolium castaneum*; site of infection : midgut.

Distribution : India : West Bengal.

Genus *Stylocystis* Leger, 1899

911. *S. chowdhuryi* Sarkar and Mazumder, 1983

Host : *Cryptophagus* sp.; site of infection : gut.

Distribution : India : West Bengal.

Genus *Sciadiophora* Labbe, 1899

912. *S. gagrellula* Devdhar and Amoji, 1978

Host : *Gagrellula caddlana*; site of infection : intestine ad caeca.

Distribution : India : Karnataka.

Genus *Anthorhyrohus* Labbe, 1899

913. *A. hanumanthi* Kalabati and Narasimhamurti, 1978

Host : *Odonototermes* sp.; site of infection : midgut.

Distribution : India : West Bengal.

Genus *Globulocephalus* Baudoin, 1965

914. *G. euconocephadae* Mondal and Ray, 2007

Host : *Euconocephalus pallidus*; site of infection : midgut.

Distribution : India : West Bengal.

Genus *Chilogregarina* Levine, 1979

915. *C. bhatiae* Sarkar, 1987

Host : *Geophilus* sp.; site of infection : midgut.

Distribution : India : West Bengal.

Genus *Crucocephalus* Sarkar, 1984916. *C. dufouri* Sarkar, 1984

Host : *Dermetes* sp.: site of infection : midgut.

Distribution : India : West Bengal.

Genus *Levinea* Kori, 1985917. *L. agriocnimidis* Kori, 1985

Host : *Agriocnemis pygmaea*; site of infection : midgut.

Distribution : India : Karnataka.

918. *L. gulbargaensis* Amoji and Kori, 1991

Host : *Agricnemis pygmaea*; site of infection : gut.

Distribution : India : Karnataka.

Subfamily ACANTHOSPORINAE

Genus *Acanthospora* Leger, 1892*A. bengalensis* Sarkar and Haldar, 1981

Host : *Ceriagrion cerinorubellum*; site of infection : midgut.

Distribution : India : West Bengal.

Genus *Ancyrophora* Leger, 1892919. *A. ceriagrioni* Nazeer Ahmed and Narasimhamurti, 1979

Host : *Ceriagrion coromandelianum*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

920. *A. ischnurae* Sarkar and Haldar, 1981

Host : *Ischnura senegalensis*; site of infection : midgut.

Distribution : India : West Bengal.

921. *A. ovoides* Sarkar and Haldar, 1981

Host : *Ischnura delicata*; site of infection : midgut.

Distribution : India : West Bengal.

Genus *Ramicephalus* Obata, 1955922. *R. olivacus* Sarkar and Haldar, 1981

Host : *Ceriagrion olivacus*; site of infection : midgut.

Distribution : India : West Bengal.

Genus *Cometoides* Laabe, 1899

923. *C. spinosa* Devdhar and Deshpande, 1978

Host : *Eudema angulatum*; site of infection : gut.

Distribution : India : Karnataka.

Genus *Quadruspinospora* Sarkar and Chakravarty, 1969

924. *Q. acridae* Haldar and Chakraborty, 1979

(Syn. *Q. acridii* Haldar and Chakraborty, 1979)

Host : *Acrida exultata*; site of infection : hepatic caeca and midgut.

Distribution : India : West Bengal.

925. *Q. adigitalis* Datta, Ghosh and Haldar, 1990

Host : *Phlaeoba antennata*; site of infection : gut.

Distribution : India : West Bengal.

926. *Q. ailopi* Sarkar and Chakraborty, 1978

(Syn. *Q. aeolopii* Sarkar and Chakravarty, 1969)

Host : *Aiolopus* sp.; site of infection : midgut and caeca.

Distribution : India : West Bengal.

927. *Q. attractomorphae* Haldar and Chakraborty, 1978

(Syn. *Q. attractomorphii* Haldar and Chakraborty, 1978)

Host : *Atractomorpha crenulata*; site of infection : hepatic caeca and midgut.

Distribution : India : West Bengal.

928. *Q. caudata* Modak *et al.*, 2008

Host : *Gesonula punctifrons*; site of infection : midgut.

Distribution : India : West Bengal.

929. *Q. chakravartyi* Haldar and Chakraborty, 1975

(= *Q. chakravartyei* Haldar and Chakraborty, 1975)

Host : *Spathosternum* sp. *Aiolopus tamulus*; site of infection : intestine.

Distribution : India : West Bengal.

930. *Q. cloptoni* Modak *et al.*, 2008

Host : *Oxya hyla hyla*; site of infection : midgut.

Distribution : India : West Bengal.

931. *Q. dichitoma* Kundu and Haldar, 1983

Host : *Spathosternum p. prasmiferum*; site of infection : hepatic caeca and midgut.

Distribution : India : West Bengal.

932. *Q. gesonulae* Datta, Ghosh and Haldar, 1990

Host : *Gesonula punctiformes*; site of infection : gut.

Distribution : India : West Bengal.

933. *Q. hieroglyphae* Mandal and Ray, 2007

Host : *Hieroglyphus baniar*; site of infection : caeca.

Distribution : India : West Bengal.

934. *Q. indoailopi* Haldar and Chakraborty, 1979

(= *Q. indoaiolopii* Haldar and Chakraborty, 1979)

Host : *Aiolopus thalassimus timulus*, *Aiolopus* sp.; site of infection : midgut and hepatic caeca.

Distribution : India : West Bengal.

935. *Q. jalpaiguriensis* Datta, Ghosh and Haldar, 1990

Host : *Oxya* sp.; site of infection : gut.

Distribution : India : West Bengal.

936. *Q. megaspinosa* Haldar and Chakraborty, 1979

Host : *Trilophida annulata*; site of infection : hepatic caeca and midgut.

Distribution : India : West Bengal.

937. *Q. platyepimerita* Datta, Ghosh and Haldar, 1990

Host : *Oxya hyla*; site of infection : gut.

Distribution : India : West Bengal.

938. *Q.* sp. Chatterjee and Haldar, 2003

Host : *Oxya* sp.; site of infection : gut.

Distribution : India : West Bengal.

Genus *Contospora* Devdhar and Amojii, 1978939. *C. opalniae* Devdhar and Amoji, 1978

Host : *Opalnia* sp.; site of infection : caeca and midgut.

Distribution : India : Karnataka.

Genus *Tetractinospora* Sarkar and Haldar, 1981940. *T. victoris* Sarkar and Haldar, 1981

Host : *Ceriagrion coromandelianum*; site of infection : midgut.

Distribution : India : West Bengal.

Genus *Echinocysta* Levine, 1984

(Syn. *Echinospora* Amoji and Devdhar, 1979)

941. *E. phalangii* (Amoji and Devdhar, 1979)

(= *Echinospora phalangii* Amoji and Devdhar, 1979)

Host : *Opalnia* sp.; site of infection : intestine.

Distribution : India : Karnataka.

Genus *Mukundaella* Sarkar, 1981

942. *M. agriocnemii* Prema and Janardanan, 1991

Host : *Agriocnemis* sp.; site of infection : gut.

Distribution : India : Kerala.

943. *M. gulbargaensis* Kori and Amoji, 1984

Host : *Copera* sp.; site of infection : gut.

Distribution : India : Karnataka.

944. *M. undulates* Sarkar, 1981

Host : *Enalagma* sp.; site of infection : midgut.

Distribution : India : West Bengal.

945. *M. vannusus* Sarkar, 1997

Host : *Onychogargia astrociana*; site of infection : gut.

Distribution : India : West Bengal.

Genus *Tetrameridionospinispora* Kori and Amoji, 1984

946. *T. ceriagrioni* Nazeer Ahmed and Narasimhamurti, 1979

Host : *Ceriagrion coromandelianum*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

947. *T. karnataki* Kori and Amoji, 1985

Host : *Agriocnemis* sp.; site of infection : gut.

Distribution : India : Karnataka.

Subfamily MENOSPORINAE

Genus *Menospora* Leger, 1892

948. *M. bradinopygi* Nazeer Ahmed and Narasimhamurti, 1979

Host : *Bradinopyga geminata*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

949. *M. coenagrii* Sarkar and Haldar

Host : *Coenagrion dyeri*; site of infection : midgut.

Distribution : India : West Bengal.

950. *M. enallagmae* Sarkar and Haldar

Host : *Enallagma parvum*; site of infection : midgut.

Distribution : India : West Bengal.

951. *M. nonacantha* Devdhar and Despande, 1976
(Syn. *M. nonacontha* Devdhar and Despande, 1976)

Host : *Agriocnemis* sp.; site of infection : intestine.

Distribution : India : Karnataka.

Genus *Hoplorhynchus* Carus, 1863952. *H. bahamanii* Shailaja and Amoji, 1992

Host : Odonate larva; site of infection : gut.

Distribution : India : Karnataka

953. *H. carusi* Sarkar and Mazumder, 1983

Host : *Pseudagrion decorum*; site of infection : midgut.

Distribution : India : West Bengal.

954. *H. ramidigitus* Sarkar and Haldar, 1980

Host : *Agriocnemis pygmaea*; site of infection : midgut.

Distribution : India : West Bengal.

Genus *Odonaticola* Sarkar and Haldar, 1981955. *O. abhoypura* Biswas, Chatterjee and Haldar, 2004

Host : *Pantala flavescens*; site of infection : midgut.

Distribution : India : West Bengal.

956. *O. amojya* Biswas, Chatterjee and Haldar, 2004

Host : *Crocothemis s. servilia*; site of infection : midgut.

Distribution : India : West Bengal.

957. *O. aspinosa* Biswas, Chatterjee and Haldar, 2004

Host : *Crocothemis s. servilia*; site of infection : midgut.

Distribution : India : West Bengal.

958. *O. brachydiplaxi* Sarkar and Mazumder. 1983

Host : *Brachydiplax farinosa*.; site of infection : midgut.

Distribution : India : West Bengal.

959. *O. bradinopyga* Biswas, Chatterjee and Haldar, 2004

Host : *Bradinopyga geminata*; site of infection : midgut.

Distribution : India : West Bengal.

960. *O. crocothemis* Kori and Amoji, 1983

Host : *Crocothemis servilla*; site of infection : gut.

Distribution : India : Karnataka

961. *O. diplacodi* Kori and Amoji, 1986

Host : *Diplacodes trivialis*; site of infection : gut.

Distribution : India : Karnataka

962. *O. elliptica* Sarkar, 1981

Host : *Crocothemis s. servilla*; site of infection : midgut.

Distribution : India : West Bengal.

963. *O. haldari* Kori and Amoji, 1984

Host : *Trithemis aurora*; site of infection : fore and mid gut.

Distribution : India : Karnataka.

964. *O. hexacantha* Sarkar and Haldar, 1981

Host : *Brachythemis contaminata*; site of infection : midgut.

Distribution : India : West Bengal.

965. *O. longicollara* Sarkar and Haldar, 1981

Host : *Diplacodes trivialis*; site of infection : midgut.

Distribution : India : West Bengal.

966. *O. neurothemisi* Prasad and Janardanan, 1994

Host : *Neurothemis fluvia*; site of infection : intestine.

Distribution : India : Kerala.

967. *O. orthetri* Sarkar and Haldar. 1981

Host : *Orthetrum sabina*; site of infection : midgut.

Distribution : India : West Bengal.

968. *O. pantalae* Prema and Janardanan, 1994

Host : *Pantala flavescens*; site of infection : gut.

Distribution : India : Kerala

969. *O. rodgii* Sarkar and Haldar, 1981

Host : *Neurothemis t. tullia*; site of infection : midgut.

Distribution : India : West Bengal.

970. *O. truneatus* Sarkar, 1997

Host : *Pseudagrion decorum*; site of infection : gut.

Distribution : India : West Bengal.

Genus *Digiticephalus* Shailaja and Amoji, 1994971. *D. semilunispora* Shailaja and Amoji, 1994

Host : *Pseudoblaps* sp.; site of infection : gut.

Distribution : India : Karnataka.

Family CEPHALOIDOPHORIDAE

Genus *Cephaloidophora* Mavrodiadi, 1908972. *C. metaplaxi* (Pearse, 1993)

(Syn. *Steinina metaplaxi pearse*, 1933)

Host : *Metaplax dentipes*; site of infection : intestine

Distribution : India : West Bengal.

Family BRUSTIOSPORIDAE

Genus *Brustiospora* Kundu and Haldar, 1981973. *B. indicola* Kundu and Haldar, 1981

Host : *Stethorus* sp.; site of infection : midgut.

Distribution : India : West Bengal.

974. *B. kalyaniensis* Patra and Haldar, 2001

Host : *Euparattetix* sp.; site of infection : gut.

Distribution : India : West Bengal.

Subclass COCCIDIA

Order PROTOCOCCIDIA

Family MYRIOSPORIDAE

Genus *Myriospora* Lermantoff, 1913975. *M. gopalai* Ganapati, 1941

Host : *Cirratulus filiformis*; site of infection : subepithelial tissue of intestine.

Distribution : India : Tamil Nadu.

976. *M. polydorae* Ganapati, 1952

Host : *Polydora cilita*; site of infection : coelom.

Distribution : India : Tamil Nadu.

Order EUCOCCIDIIDA

Suborder ADELEINA

Family ADELEIDAE

Genus *Adelea* Schneider, 1885

977. *A. castana* Ghosh *et al.*, 2000

Host : Coleoptera; site of infection : intestine.

Distribution : India : West Bengal.

978. *A. hyalospora* Narasimhamurti, 1960

Host : *Rhysidea longipes*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

979. *A. pachelebrae* de Mello, 1921

Host : *Pachelebra moesta*; site of infection : digestive gland and intestine.

Distribution : India : Goa.

980. *A. palorusi* Ghosh *et al.*, 2000

Host : Coleoptera; site of infection : Intestine.

Distribution : India : West Bengal.

981. *A. picci* Ghosh *et al.*, 2000

Host : Coleoptera; site of infection : Intestine.

Distribution : India : West Bengal.

Genus *Adelina* Hesse, 1910

982. *A. hyalospora* Narasimhamurti, 1960

Host : *Rhysides longipes*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

983. *A. rayi* Narasimhamurti, 1977

Host : *Rhysides longipes*; site of infection : midgut.

Distribution : India : Andhra Pradesh.

984. *A. schellacki* Ray and Das Gupta, 1940

Host : *Cormocephalus dentipes*; site of infection : intestine.

Distribution : India : West Bengal.

Genus *Klossia* Schneider, 1875985. *K. perplexus* Levine *et al.*, 1955

Host : *Anas platyrhynchos domestica*; site of infection : intestine (faeces)

Distribution : India.

Genus *Chagasella* Machado, 1911986. *C. ganapatii* Narasimhamurti and Kalavati, 1968

Host : *Odontotermes obesus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Genus *Ganapatiella* Kalavati, 1977987. *G. odontotermis* Kalavati, 1977

Host : *Odontotermes obesus*; site of infection : fat tissue.

Distribution : India : Andhra Pradesh.

Family HAEMOGREGARINIDAE

Genus *Haemogregarina* Danilewsky, 1885A. *Haemogregarina* of Fishes988. *H. colisa* Mandal, Ray, Sarkar and Kahali, 1983

Host : *Colisa fasciata*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

989. *H. thyrsoidea* de Mello and Valles, 1936

Host : *Thyrsoidea macrurus*; site of infection : erythrocytes of blood.

Distribution : India : Goa.

990. *H.* sp.

Host : *Trichogaster fasciatus*; site of infection : erythrocytes of blood.

Distribution : India.

B. *Haemogregarina* of Amphibians991. *H. andamanensis* Ray, 1980

Host : *Rana cyanophlyctis*; site of infection : erythrocytes of blood.

Distribution : India : Andaman Islands.

992. *H. bareilliana* Gupta and Khan, 2002

Host : *Bufo melanostictus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

993. *H. berestneffi* Castellani and Willey, 1905

Host : *Rana cyanophlyctis*, *Rana hexadactyla*, *Rana limnocharis*, *Rana tigrina*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal, Tamil Nadu, Maharashtra, Goa.

994. *H. kaloulae* Ray and Choudhury, 1984

Host : *Kaloula pulchra taprobanica*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

995. *H. maculatus* Ray and Choudhury, 1984

Host : *Rhacophorus maculatus*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

996. *H. magna* (Grassi and Feltti, 1891)

Host : *Rana limnocharis*, *Rana tigrina*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal, Maharashtra, Tamil Nadu.

997. *H. nucleobisecans* Shortt, 1917

Host : *Bufo andersoni*, *Bufo melanostictus*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal, Punjab, Delhi, Uttar Pradesh.

998. *H. pattoni* Ray and Choudhury, 1984

Host : *Rana hexadactyla*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

999. *H. perinucleophilum* Ray and Choudhury, 1984

Host : *Rana tigrina*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1000. *H. pulchra* Ray and Choudhury, 1984

Host : *Kaloula pulchra*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1001. *H. systoma* Ray and Choudhury, 1984

Host : *Uperodon systoma*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1002. *H. sp.*

Host : *Bufo himalayanus*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

C. *Haemogregarina* of Reptiles**1003. *Haemogregarina bengalensis* Sinha, 1992**

Host : *Xenochropis piscator*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1004. *H. cantliei* Sambon, 1907

Host : *Eryx conicus*; site of infection : erythrocytes of blood.

Distribution : India : Tamil Nadu.

1005. *H. choudhuryi* Ray and Bhattacharjee, 1984

Host : *Lissemys p. punctata*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1006. *H. gangetica* Misra, 1976

(Syn. *H. simondi* Misra *et al.*, 1974)

Host : *Trionyx gangetica*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1007. *H. ganapati* Saratchandra, 1981

Host : *Lissemys punctata granosa*; site of infection : erythrocytes of blood.

Distribution : India : Andhra Pradesh.

1008. *H. hankini* Simond, 1901

Host : *Crocodilus porosus*, *Gavialis gangeticus*; site of infection : erythrocytes of blood.

Distribution : India : Uttar Pradesh.

1009. *H. laverani* Simond, 1901

Host : *Lissemys punctata granosa*; site of infection : erythrocytes of blood.

Distribution : India : Uttar Pradesh, Goa.

1010. *H. malabarica* de Mello, 1932

Host : *Lissemys punctata granosa*; site of infection : erythrocytes of blood.

Distribution : India : Goa.

1011. *H. mesnili* Simond, 1901

Host : *Kachuga tectum*; site of infection : erythrocytes of blood.

Distribution : India : Uttar Pradesh.

1012. *H. mirabilis* Castallani and Willey, 1904

Host : *Ptyas mucosus*, *Tropidonotus piscator*; site of infection : erythrocytes of blood.

Distribution : India : Andhra Pradesh, Tamil Nadu, Maharashtra.

1013. *H. najae* Laveran, 1902

Host : *Lissemys punctata granosa*.; site of infection : erythrocytes of blood.

Distribution : India : Tamil Nadu.

1014. *H. nicoriae* Castallani and Willey, 1904

Host : *Lissemys punctata granosa*; site of infection : erythrocytes of blood.

Distribution : India : Tamil Nadu.

1015. *H. pythonis* (Billet, 1895)

Host : *Python molurus*; site of infection : erythrocytes of blood.

Distribution : India : Tamil Nadu, West Bengal.

1016. *H. rodriguesi* de Mello *et al.*, 1917

Host : *Hemidactylus brooki*; site of infection : erythrocytes of blood.

Distribution : India : Goa.

1017. *H. testudinis* Laveran and Nattan-Larrier, 1912

Host : *Testudo emys*; site of infection : erythrocytes of blood.

Distribution : India.

1018. *H. thomsoni* Minchin, 1908

Host : *Agama tuberculata*; site of infection : erythrocytes of blood.

Distribution : India : Punjab.

1019. *H. vittatae* Robertson, 1908

Host : *Lissemys punctata granosa*; site of infection : erythrocytes of blood.

Distribution : India : Goa.

1020. *H. waltairensis* Saratchandra, 1981

Host : *Calotes versicolor*; site of infection : erythrocytes of blood.

Distribution : India : Andhra Pradesh.

1021. *H. xavieri* de Mello, 1932

Host : *Emyda granosa*; site of infection : erythrocytes of blood.

Distribution : India : Goa.

1022. *H. sp.*

Host : *Enhydrys enhydrys*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1023. *H. sp.*

Host : *Mabuya carinata*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1024. *H. sp.*

Host : *Hemidactylus flaviviridis*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1025. *H. sp.*

Host : *Natrix stolata*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1026. *H. sp.*

Host : *Calotes versicolor*; site of infection : erythrocytes of blood.

Distribution : India : West Bengal.

1027. *H. sp.*

Host : *Varanus monitor*; site of infection : erythrocytes of blood.

Distribution : India.

1028. *H. sp.*

Host : *Bungarus caeruleus*; site of infection : erythrocytes of blood.

Distribution : India.

1029. *H. sp.*

Host : *Ptyas mucosus* (= *Zaocys mucosus*); site of infection : erythrocytes of blood.

Distribution : India : Tamil Nadu, West Bengal.

1030. *H. sp.*

Host : *Coluber sp.*; site of infection : erythrocytes of blood.

Distribution : India.

1031. *H. sp.*

Host : *Dendrophis pictus*; site of infection : erythrocytes of blood.

Distribution : India : Tamil Nadu.

1032. *H. sp.*

Host : *Dryophis mycterizans*; site of infection : erythrocytes of blood.

Distribution : India : Tamil Nadu.

1033. *H.* sp.

Host : *Eryx johnii*; site of infection : erythrocytes of blood.

Distribution : India : Tamil Nadu

1034. *H.* sp.

Host : *Naja bungarus*; site of infection : erythrocytes of blood.

Distribution : India.

1035. *H.* sp.

Host : *Naja naja*; site of infection : erythrocytes of blood.

Distribution : India.

1036. *H.* sp.

Host : *Naja* sp.; site of infection : erythrocytes of blood.

Distribution : India.

1037. *H.* sp.

Host : *Vipera russelli*; site of infection : erythrocytes of blood.

Distribution : India : Tamil Nadu.

1038. *H.* sp.

Host : Stone lizard; site of infection : erythrocytes of blood.

Distribution : India.

1039. *H.* sp.

Host : *Chrysopelia ornata*; site of infection : erythrocytes of blood.

Distribution : India.

1040. *H.* sp.

Host : *Ptyas* (= *Coluber*) *karolini*; site of infection : erythrocytes of blood.

Distribution : India : Maharashtra.

1041. *H.* sp.

Host : *Varanus bengalensis*; site of infection : erythrocytes of blood.

Distribution : India.

1042. *H.* sp.

Host : *Eryx conicus*; site of infection : erythrocytes of blood.

Distribution : India.

1043. *H. sp.*

Host : *Ahaetulla ahaetulla*; site of infection : erythrocytes of blood.

Distribution : India.

Genus *Karyolysus* Labbe, 18941044. *K. jorgei* de Mello and de Meyrelles, 1937

Host : *Calotes versicolor*, *Calotes versicolor major*; site of infection : blood.

Distribution : India : Goa.

Genus *Hepatozoon* Miller, 1908A. *Hepatozoon* of reptiles1045. *H. mucosus* Sinha, 1986

Host : *Ptyas mucosus*; site of infection : blood.

Distribution : India : West Bengal.

B. *Hepatozoon* of Birds1046. *H. adiei* Hoare, 1924

Host : *Indian eagle*.; site of infection : blood.

Distribution : India : Punjab.

C. *Hepatozoon* of Mammals1047. *H. canis* (James, 1905)

Host : *Cyon dukhunensis*, *Canis aureus*, *Canis familiaris*, Dog, *Vulpes bengalensis*; site of infection : blood.

Distribution : India : Assam, Tamil Nadu, Maharashtra, Andhra Pradesh.

1048. *H. felis* Patton, 1908

Host : *Felis catus*; site of infection : blood.

Distribution : India.

1049. *H. funambuli* (Patton, 1906)

(Syn. *Leucocytozoon funambuli*)

Host : *Funambulus pennanti*; site of infection : blood.

Distribution : India : Maharashtra.

1050. *H. gerbili* (Christophers, 1905)

(Syn. *Haemogregarina gerbili*)

Host : *Tatera indica* (= *Gerbilus indicus*); site of infection : blood.

Distribution : India.

1051. *H. leporis* (Patton, 1908)

(Syn. *Leucocytozoon leporis*)

Host : *Lepus nigricollis*; site of infection : blood.

Distribution : India : Tamil Nadu.

1052. *H. muris* (Balfour, 1905)

(Syn. *Leucocytozoon muris*)

Host : *Rattus norvegicus*, *Rattus rufescens*; site of infection : blood.

Distribution : India.

1053. *H. sp.*

Host : *Petaurista magnificus*; site of infection : blood.

Distribution : India : West Bengal.

1054. *H. sp.*

Host : *Pteromys petaurista*; site of infection : blood.

Distribution : India.

Suborder EIMERIINA

Family SELENOCOCCIDIIDAE

Genus *Selenococcidium* Poche, 1913

1055. *S. indicus* Aravindan *et al.*, 2002

Host : *Penaeus indicus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Family AGGREGATIDAE

Genus *Aggregata* Frenzel, 1885

1056. *A. kudo* Narasimhamurti, 1979

Host : *Sepia elliptica*; site of infection : gut epithelium.

Distribution : India : Andhra Pradesh.

1057. *A. sp.*

Host : *Parapeneopsis sculptilis*; site of infection : intestine.

Distribution : India : Maharashtra.

Family CARYOTROPHIDAE

Genus *Dorisiella* Ray, 1930

1058. *D. scolelepidis* Ray, 1930

Host : *Scolecopsis fuliginosa*; site of infection : intestine.

Distribution : India : West Bengal.

Family EIMERIIDAE

Genus *Tyzzeria* Allen, 19361059. *T. allenae* Chakravarty and Basu, 1946

Host : *Nettapus coromandelianus*; site of infection : rectum.

Distribution : India : West Bengal.

1060. *T. chenicusae* Ray and Sarkar, 1967
(Syn. *Eimeria chenicusae* Ray and Sarkar, 1967)

Host : *Nettapus coromandelianus*; site of infection : intestine.

Distribution : India : West Bengal.

1061. *T. pellerdyi* Bhatia and Pande, 1966

Host : *Anser indicus*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

Genus *Eimeria* Schneider, 1875A. *Eimeria* of centipedes1062. *E. mecistophori* Narasimhamurti, 1980

Host : *Mecistophora punctifrons*; site of infection : gut.

Distribution : India : Andhra Pradesh.

B. *Eimeria* of insects1063. *E.* sp.

Host : *Culex* sp.; site of infection : gut.

Distribution : India : Tamil Nadu.

C. *Eimeria* of fishes1064. *E. ambassi* Patnaik and Acharya, 1972

Host : *Barbus ambassis*; site of infection : intestine.

Distribution : India : Orissa.

1065. *E. glossogobii* Mukherjee and Haldar, 1980

Host : *Glossogobius giuris*; site of infection : intestine.

Distribution : India : West Bengal.

1066. *E. harpodoni* Setna and Bana, 1935

Host : *Harpodon nehereus*; site of infection : intestine.

Distribution : India : Maharashtra, West Bengal.

1067. *E. notopteri* Chakravarty and Kar

Host : *Notopterus notopterus*, *Notopterus chitala*; site of infection : intestine.

Distribution : India : West Bengal.

1068. *E. opisthopterae* Sarkar, 2004

Host : *Opisthopterus tardus*; site of infection : branchiae.

Distribution : India : West Bengal.

1069. *E. southwelli* Halwani

Host : *Scoliodon sorrakowah*; site of infection : intestine.

Distribution : India : Maharashtra, West Bengal.

1070. *E. zygaenae* Mandal and Chakravarty, 1965

Host : *Zygaena blochii*; site of infection : intestine.

Distribution : India : West Bengal.

1071. *E. sp.*

Host : *Plotosus canius*; site of infection : intestine.

Distribution : India : Maharashtra.

1072. *E. sp.*

Host : *Coila dussumieri*; site of infection : intestine.

Distribution : India : Maharashtra.

1073. *E. sp.*

Host : *Epinephelus diacanthus*; site of infection : intestine.

Distribution : India : Maharashtra.

1074. *E. sp.*

Host : *Engraulus mystax*; site of infection : intestine.

Distribution : India : Maharashtra.

1075. *E. sp.*

Host : *Otolithes ruber*; site of infection : intestine.

Distribution : India : Maharashtra.

1076. *E. sp.*

Host : *Silago sihama*; site of infection : intestine.

Distribution : India : Maharashtra.

1077. *E. sp.*

Host : *Trichiurus savala*; site of infection : intestine.

Distribution : India : Maharashtra.

1078. *E. sp.*

Host : *Batrachus grunnieus*; site of infection : intestine.

Distribution : India : Maharashtra.

1079. *E. sp.*

Host : *Epinephelus tauvina*; site of infection : intestine.

Distribution : India : Maharashtra.

D. *Eimeria* of amphibians1080. *E. cyanophlyctis* Chakravarty and Kar, 1944

Host : *Rana cyanophlyctis*; site of infection : intestine.

Distribution : India : West Bengal

1081. *E. himalayana* Ray and Misra, 1942

(Syn *E. himalayanum* Ray and Misra, 1942)

Host : *Bufo himalayanus*; site of infection : intestine.

Distribution : India : West Bengal

1082. *E. laminata* Ray, 1935

Host : *Bufo melanostictus*; site of infection : small intestine.

Distribution : India : West Bengal.

E. *Eimeria* of reptiles1083. *E. bongaonensis* Sinha and Sinha, 1978

Host : *Gekko gekko*; site of infection : intestine.

Distribution : India : West Bengal.

1084. *E. dhamini* Mandal and Mukherjee, 1977

Host : *Ptyas mucosus*; site of infection : intestine.

Distribution : India : West Bengal.

1085. *E. fibrilosa* Mandal, 1976

Host : *Enhydryis enhydryis*; site of infection : intestine.

Distribution : India : West Bengal.

1086. *E. flaviviridis* Setna and Bana, 1935

Host : *Hemidactylus flaviviridis*; site of infection : gall blader and intestine.

Distribution : India : Maharashtra, West Bengal.

1087. *E. gupti* Bhatia, 1938

(Syn. *E. cylindrica* Ray and Das Gupta, 1936)

Host : *Natrix piscator*; site of infection : rectum.

Distribution : India : West Bengal.

1088. *E. hemidactyli* Knowles and Dasgupta, 1935

Host : *Hemidactylus flaviviridis*; site of infection : gut contents.

Distribution : India : West Bengal.

1089. *E. innominata* Kar, 1944

Host : *Lissemys punctata*; site of infection : liver and bile.

Distribution : India : West Bengal.

1090. *E. irregularis* Kar, 1944

Host : *Lissemys punctata*; site of infection : intestine.

Distribution : India : West Bengal.

1091. *E. kermoganti* (Simond, 1901)

Host : *Gavialis gangeticus*; site of infection : spleen.

Distribution : India : River Ganga.

1092. *E. knowlesi* Bhatia, 1936

Host : *Hemidactylus flaviviridis*; site of infection : gut contents.

Distribution : India : Andhra Pradesh, Mahashtra, West Bengal.

1093. *E. koormae* Dasgupta, 1938

Host : *Lissemys punctata*; site of infection : rectum.

Distribution : India : West Bengal.

1094. *E. legeri* (Simond, 1901)

(Syn. *Coccidium legeri* Simond, 1901)

Host : *Lissemys punctata granosa*; site of infection : liver, gall blader and bile ducts.

Distribution : India.

1095. *E. minetti* Ray Raghavchari and Sapre, 1942

Host : *Mabuya* sp.; site of infection : small intestine.

Distribution : India : Uttar Pradesh.

1096. *E. najae* Ray and Dasgupta, 1937

Host : *Naja naja*; site of infection : intestine.

Distribution : India : West Bengal.

1097. *E. piscatori* Ray and Dasgupta, 1936

Host : *Natrix piscator*; site of infection : rectum.

Distribution : India : West Bengal.

1098. *E. pythonis* Ray and Das Gupta, 1937

Host : *Python morulus*; site of infection : intestine.

Distribution : India : West Bengal.

1099. *E. rabiti* Mandal and Nair, 1973

Host : *Gymnodactylus rabis*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

1100. *E. stolatae* Ray and Dasgupta, 1938

Host : *Natrix stolata*; site of infection : intestine.

Distribution : India : West Bengal.

1101. *E. triangularis* Chakravarty and Kar, 1943

Host : *Trionyx gangeticus*; site of infection : rectal contents.

Distribution : India : West Bengal.

1102. *E. trionyxae* Chakravarty and Kar, 1943

Host : *Trionyx gangeticus*; site of infection : intestine.

Distribution : India : West Bengal.

1103. *E. varani* Bhatia and Chauhan, 1972

Host : *Varanus monitor*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1104. *E. sp.*

Host : *Hemidactylus flaviviridis*; site of infection : intestine.

Distribution : India.

1105. *E. sp.*

Host : *Geochelone elegans*; site of infection : intestine (faeces).

Distribution : India West Bengal.

F. *Eimeria* of birds

1106. *E. acervulina* Tyzzer, 1929

Host : *Gallus domesticus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Madhya Pradesh, Orissa, Tamil Nadu, Maharashtra.

1107. *E. adenoides* Moore and Brown, 1951

Host : *Meleagris g. gallopavo*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1108. *E. alectorae* Ray and Hiregaudar, 1959

Host : *Alectoris graeca*; site of infection : intestine.

Distribution : India : West Bengal.

1109. *E. anatis* Scholtyseck, 1955

Host : *Anas platyrhynchos*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

1110. *E. anili* Haldar, Ray and Mandal, 1982

Host : *Sturnus c. contra*; site of infection : intestine.

Distribution : India : West Bengal.

1111. *E. atheni* Chauhan and Jain, 1979

Host : *Athene brama*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1112. *E. barbata* Kar, 1944

Host : *Cyanops asiatica*; site of infection : intestine.

Distribution : India : West Bengal.

1113. *E. bateri* Bhatia Pandey and Pande, 1965

Host : *Coturnix c. coturnix*; site of infection : small intestine.

Distribution : India : Uttar Pradesh.

1114. *E. battakhi* Dubey and Pande, 1963

Host : *Anas platyrhynchos*; site of infection : intestine.

Distribution : India : Uttar Pradesh

1115. *E. bazei* Chauhan and Bhatia, 1970

Host : *Pseudibis papillosa*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1116. *E. bengalensis* Paul, Ghosh and Haldar, 1991

Host : *Gallus domesticus*; site of infection : intestine.

Distribution : India : West Bengal.

1117. *E. bhutanensis* Ray and iregauder, 1959

Host : *Polyplectron bicoloratum*; site of infection : intestine.

Distribution : India : West Bengal.

1118. *E. brunetti* Levine, 1942

Host : *Gallus* sp.; site of infection : posterior ilium and colon.

Distribution : India : Andhra Pradesh, Uttar Pradesh, Madhya Pradesh.

1119. *E. charadrii* Mandal, 1965

Host : *Charadrius asiaticus*; site of infection : intestine.

Distribution : India : West Bengal.

1120. *E. choudari* Bhatia, Chauhan, Arora and Agarwal. 1972

Host : *Gallus sonneratii*; site of infection : faeces.

Distribution : India : Uttar Pradesh.

1121. *E. columbae* Mitra and Dasgupta, 1937

Host : *Columba livia intermedia*; site of infection : small intestine and caeca.

Distribution : India : Andhra Pradesh, Orissa, Maharashtra, West Bengal.

1122. *E. columborum* Nieschulz, 1935

Host : *Columba livia intermedia*; site of infection : intestine.

Distribution : India : Orissa.

1123. *E. coturnicis* Chakravarty and Kar, 1947

Host : *Coturnix c. coturnix*; site of infection : intestine.

Distribution : India : West Bengal.

1124. *E. dauki* Nhatia and Pande, 1965

Host : *Amaurornis phoenicurus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, West Bengal.

1125. *E. dispersa* Tyzzer, 1929

Host : Domestic animals; site of infection : intestine.

Distribution : India : Orissa.

1126. *E. dubeyi* Pande *et al.*, 1970

Host : *Gallus gallus*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1127. *E. francolini* Swarup and Chauhan, 1976

Host : *Francolinus francolinus*; site of infection : intestine.

Distribution : India : Delhi.

1128. *E. gallinagoi* Mandal, 1965

Host : *Gallinago gallinago*; site of infection : intestine.

Distribution : India : West Bengal.

1129. *E. gallopavonis* Hawkins, 1952

Host : *Meleagris* sp.; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1130. *E. gallusae* Paul, Ghosh and Haldar, 1991

Host : *Gallus domesticus*; site of infection : intestine.

Distribution : India : West Bengal.

1131. *E. gennaescus* Ray and Hiregaudar, 1959

Host : *Gennaescus horsfieldi*; site of infection : intestine.

Distribution : India : West Bengal.

1132. *E. gorakhpuri* Bhatia and Pande, 1967

Host : *Numida meleagris*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Delhi.

1133. *E. grusi* Pande, Bhatia, Chauhan and Garg, 1970

Host : *Anthropiodes virgo*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1134. *E. hagani* Levine, 1938

Host : *Gallus domesticus*; site of infection : duodenum and jejunum.

Distribution : India : Uttar Pradesh, Orissa, Madhya Pradesh, Maharashtra

1135. *E. indiana* Bandyopadhyay, Bhakta and Sukla, 2006

Host : *Gallus gallus*; site of infection : intestine.

Distribution : India : West Bengal.

1136. *E. innocua* Moore and Brown, 1952

Host : *Meleagris g. gallopavo*; site of infection : intestine.

Distribution : India : Orissa.

1137. *E. janovyi* Bandyopadhyay, Bhakta and Sukla, 2006

Host : *Columba livia*; site of infection : intestine.

Distribution : India : West Bengal.

1138. *E. kapotei* Chatterjee and Ray

Host : *Columba livia intermedia*; site of infection : intestine.

Distribution : India : West Bengal.

1139. *E. labbeana* (Labbe, 1896)

Host : *Columba livia intermedia*; site of infection : intestine.

Distribution : India : West Bengal.

1140. *E. lophurae* Chauhan, Paliwal and Swarup, 1976

Host : *Lophura leucomelana*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1141. *E. lucknowensis* Misra, 1947

Host : *Motacilla alba*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Meghalaya.

1142. *E. malacca* Chakravarty and Kar, 1944

Host : *Lonchura m. malacca*; site of infection : intestine.

Distribution : India : West Bengal.

1143. *E. mandali* Banik and Ray, 1969

Host : *Pavo cristatus*; site of infection : small intestine.

Distribution : India : West Bengal, Uttar Pradesh.

1144. *E. maxima* Tyzzer, 1929

Host : *Gallus* sp.; site of infection : small intestine.

Distribution : India : Madhya Pradesh, Uttar Pradesh, Orissa, Tamil Nadu, Maharashtra.

1145. *E. mayuri* Bhatia and Pande, 1966

Host : *Pavo cristatus*, *Pavo muticus*; site of infection : intestine.

Distribution : India : Delhi, Uttar Pradesh.

1146. *E. meleagridis* Tyzzer, 1927

Host : *Meleagris* sp.; site of infection : intestine.

Distribution : India : Uttar Pradesh, Delhi.

1147. *E. meleagrimitis* Tyzzer, 1929

Host : *Meleagris* sp.; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1148. *E. mitis* Tyzzer, 1929

Host : *Gallus domesticus*; site of infection : intestine.

Distribution : India : Madhya Pradesh, Uttar Pradesh, Orissa, Tamil Nadu, Maharashtra.

1149. *E. mivati* Edger and Selbold, 1964

Host : *Gallus domesticus*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1150. *E. necatrix* Johnson, 1930

Host : *Gallus domesticus*; site of infection : small intestine and caeca.

Distribution : India : Andhra Pradesh, Maharashtra, Tamil Nadu

1151. *E. numenii* Mandal, 1965

Host : *Numenius arquata*; site of infection : intestine.

Distribution : India : West Bengal.

1152. *E. patnaiki* Ray, 1966

(Syn. *E. pavonis* Patnaik, 1965; *E. indica* Patnaik, 1966)

Host : *Pavo cristatus*; site of infection : intestine.

Distribution : India : Orissa.

1153. *E. pavonina* Banik and Ray, 1961

Host : *Pavo cristatus*; site of infection : intestine.

Distribution : India : West Bengal.

1154. *E. pavonis* Mandal, 1965

(Syn. *E. cristata* Patnaik, 1965)

Host : *Pavo cristatus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Delhi.

1155. *E. pictus* Bhatia, 1968

(Syn. *E. picta* Bhatia, 1968)

Host : *Chrysolophus pictus*, *Lophura nycthemera*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1156. *E. pluvialina* Mandal, 1965(Syn. *E. roscoviensis pluvialina* Mandal, 1965)*Host* : *Pluvialis apprecaria*; site of infection : intestine.*Distribution* : India : West Bengal.1157. *E. praecox* Johnson, 1930*Host* : *Gallus domesticus*; site of infection : intestine.*Distribution* : India : Uttar Pradesh, Madhya Pradesh, Maharashtra.1158. *E. sphenocerci* Ray, 1952(Syn. *E. sphenocercae* Ray, 1952)*Host* : *Sphenocercus sphenurus*; site of infection : intestine.*Distribution* : India : Uttarakhand.1159. *E. teetari* Bhatia, Pande and Pande, 1966*Host* : *Francolinus francolinus*, *Francolinus pondicerianus*; site of infection : intestine.*Distribution* : India : Uttar Pradesh, Delhi.1160. *E. tenella* (Railliet and Lucet, 1891)*Host* : *Gallus domesticus*; site of infection : intestine.*Distribution* : India : Andhra Pradesh, Madhya Pradesh, Uttaranchal, Orissa, Tamil Nadu, Maharashtra.1161. *E. tropicalis* Malhotra and Ray, 1961*Host* : *Columba livia intermedia*; site of infection : intestine.*Distribution* : India : Uttar Pradesh, West Bengal.1162. *E. vanelli* Mandal, 1965*Host* : *Vanellus malabaricus*; site of infection : intestine.*Distribution* : India : West Bengal.1163. *E. vanmurghavi* Pande *et al.*, 1970*Host* : *Gallus gallus*, *Gallus sonneratti*; site of infection : intestine.*Distribution* : India : Uttar Pradesh, Delhi.1164. *E. sp.**Host* : *Porphyrio porphyrio*; site of infection : intestine.*Distribution* : India.1165. *E. spp.* (2)*Host* : *Alanda gulgula*; site of infection : intestine.*Distribution* : India : Maharashtra.

1166. *E. sp.*

Host : *Columba livia intermedia*; site of infection : intestine.

Distribution : India : Maharashtra.

1167. *E. sp.*

Host : *Coturnix coturnix coturnix*; site of infection : intestine.

Distribution : India : Maharashtra.

1168. *E. sp.*

Host : *Fracolinus fracolinus*; site of infection : intestine.

Distribution : India : Maharashtra.

1169. *E. sp.*

Host : *Perdicula asiatica*; site of infection : intestine.

Distribution : India : Maharashtra.

G. *Eimeria* of mammals

1170. *E. ashata* Honess, 1942

Host : *Ovis sp.*, *Capra hircus* (*Capra sp.*); site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra, Orissa, West Bengal.

1171. *E. ailuri* Agarwal, Ahluwalia, Bhatia and Chauhan, 1981

Host : *Ailurus fulgens*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1172. *E. alabamensis* Christensen, 1941

Host : *Bos indicus* (*Bos sp.*), *Bubalus bubalis*; site of infection : posterior ileum.

Distribution : India : Uttar Pradesh, Maharashtra, Haryana.

1173. *E. andamanensis* Mandal and Nair, 1973

Host : *Taphozous melanopogon*; site of infection : intestine.

Distribution : India : Andaman Islands.

1174. *E. anekalensis* Rajasekariah *et al.*, 1971

Host : *Felis pardus*; site of infection : intestine.

Distribution : India : Karnataka.

1175. *E. antilocervi* Ray and Mandal, 1960
(Syn. *E. antelocervi* Ray and Mandal, 1960)

Host : *Antelope cervicapra*; site of infection : intestine.

Distribution : India : West Bengal.

1176. *E. arloingi* (Marotel, 1905)

Host : *Capra hircus* (*Capra* sp.), *Capra ibex*; site of infection : intestine.

Distribution : India : Andhra Pradesh, Orissa, West Bengal, Uttar Pradesh, Madhya Pradesh, Maharashtra, Bihar, Punjab.

1177. *E. auburnensis* Christensen and Porter, 1939

(Syn. *E. khurodensis* Rao and Hiregaudar, 1954)

Host : *Bos indicus* (= *Bos* sp.), *Bubalus bubalis*; site of infection : middle and lower third of small intestine.

Distribution : India : Uttar Pradesh, Maharashtra, Haryana.

1178. *E. aurei* Bhatia, Chauhan, Agarwal and Ahluwalia, 1979

Host : *Canis aureus naria*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1179. *E. bandicota* Bandyopadhyay and Dasgupta, 1982

Host : *Bandicota bengalensis*; site of infection : intestine.

Distribution : India : West Bengal.

1180. *E. bandipurensis* Ray, Banik and Mukherjea, 1965

Host : *Funambulus palmarum*, *Funambus tristriatus*; site of infection : intestine.

Distribution : India : West Bengal, Kerala.

1181. *E. bareillyi* Gill, Chhabra and Lal, 1963

Host : *Bubalus bubalis*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra.

1182. *E. biswapati* Bandyopadhyay, 1986

Host : *Bandicota indica*; site of infection : intestine.

Distribution : India : West Bengal.

1183. *E. bombayensis* Rao and Hiregaudar, 1954

Host : *Bos indicus*; site of infection : faeces.

Distribution : India : Maharashtra.

1184. *E. bovis* (Zublin, 1908)

Host : *Bubalus bubalis*, *Bos indicus*, *Bos gaurus*; site of infection : intestine.

Distribution : India : Andhra Pradesh, Uttar Pradesh, Haryana, Maharashtra, Bihar.

1185. *E. brasiliensis* Torres and Ramos, 1939

Host : *Bubalis bubalis*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra, Haryana.

1186. *E. bukidnonensis* Tubangui, 1931

Host : *Bubalis bubalis*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra, Haryana.

1187. *E. cameli* (Henry and Mason, 1932)

Host : *Camelus dromedaries*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1188. *E. canadensis* Bruce, 1921

Host : *Bubalis bubalis*, *Bos indicus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra, Haryana.

1189. *E. canis* Wenyon, 1923

Host : *Canis familiaris* (*Canis* sp.); site of infection : intestine.

Distribution : India : Maharashtra.

1190. *E. cati* Yokimoff, 1933

Host : *Felis chaus*; site of infection : intestine. intestine.

Distribution : India : Uttar Pradesh.

1191. *E. cerdonis* Vetterling, 1965

Host : *Sus scrofa domestica* (= *S. scrofa*); site of infection : intestine.

Distribution : India : Madhya Pradesh, Uttar Pradesh, Haryana.

1192. *E. cervis* Mandal and Choudhury, 1982

Host : *Axis axis*; site of infection : intestine.

Distribution : India : West Bengal.

1193. *E. chausinghi* Pande, Bhatia, Chauhan and Garg, 1970

Host : *Tetracerus quadricornis*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1194. *E. cheetali* Bhatia, 1968

Host : *Axis axis*, *Antelope cervicapra*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Delhi, Orissa.

1195. *E. chinkari* Pande, Bhatia, Chauhan and Garg, 1970

Host : *Gazella gazelle*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1196. *E. christenseni* Levine, Ivens and Fritz, 1962

Host : *Capra hircus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra, Madhya Pradesh.

1197. *E. clupearum* (Thelohan, 1894)

Host : *Homo sapiens* (unnatural host); site of infection : intestine.

Distribution : India : West Bengal.

1198. *E. coecicola* Cheissin, 1947

Host : *Bubalus bubalis*; site of infection : intestine.

Distribution : India : Maharashtra.

1199. *E. comminisporea* Bandyopadhyay and Dasgupta, 1984

Host : *Petaurista magnificus*; site of infection : intestine.

Distribution : India : West Bengal.

1200. *E. coucangi* Patnaik and Achariyo, 1970

Host : *Nycticebus coucang*; site of infection : intestine.

Distribution : India : Orissa.

1201. *E. crandallis* Honess, 1942

Host : *Ovis aires*, *Capra hircus*; site of infection : intestine.

Distribution : India : Andhra Pradesh, Uttar Pradesh, Bihar, West Bengal, Maharashtra, Madhya Pradesh, Orissa, Jammu and Kashmir, Tamil Nadu.

1202. *E. cylindrica* Wilson, 1931

Host : *Bubalus bubalis*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa, Maharashtra, Haryana.

1203. *E. darjeelingensis* Sinha and Sinha, 1980

Host : *Suncus murinus soccatus*; site of infection : intestine.

Distribution : India : West Bengal.

1204. *E. dawari* Bhatia, Chauhan, Arora and Agarwal, 1973

Host : *Muntiacus muntjak*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1205. *E. deblicieki* Douwes, 1921

Host : *Sus scrofa*; site of infection : intestine.

Distribution : India : Andhra Pradesh, Madhya Pradesh, Uttar Pradesh, Haryana.

1206. *E. dromedarii* Yakimoff and Matschoulsky, 1939

Host : *Camelus dromedaries*; site of infection : intestine.

Distribution : India : Rajasthan.

1207. *E. elerybeckeri* Levine, 1984

(Syn. *E. levinei* Krishnamurthy and Kshirsagar, 1980)

Host : *Rattus rattus*; site of infection : intestine.

Distribution : India : Maharashtra.

1208. *E. ellipsoidalis* Becker and Frye, 1929

Host : *Bubalus bubalis*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra, Haryana.

1209. *E. faurei* (Moussu and Marotel, 1902)

Host : *Ovis aires*, *Capra hircus*; site of infection : intestine.

Distribution : India : Andhra Pradesh, Madhya Pradesh, Uttar Pradesh, Haryana, Maharashtra, Punjab, Orissa, West Bengal.

1210. *E. felina* Nieschulz, 1924

Host : *Felis chaus*, *Panthera leo persica*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1211. *E. garumarana* Bandyopadhyay and Dasgupta, 1985

Host : *Rattus rattus brunneusculus*; site of infection : intestine.

Distribution : India : West Bengal.

1212. *E. gaurusi* Patnaik and Acharjyo, 1971

Host : *Bos gaurus*; site of infection : intestine.

Distribution : India : Orissa.

1213. *E. gokaki* Rao and Bhatavdekar, 1959

Host : *Bubalus bubalis*; site of infection : intestine.

Distribution : India : Maharashtra, Orissa.

1214. *E. granulosa* Christensen, 1928

Host : *Capra hircus*; site of infection : intestine.

Distribution : India : Haryana, Orissa, Maharashtra, Madhya Pradesh, Uttar Pradesh.

1215. *E. hammondi* Dubey and Pande, 1963

Host : *Felis chaus*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1216. *E. hartmanni* Rastegaieff, 1930

Host : *Panthera tigris*; site of infection : intestine.

Distribution : India : Orissa.

1217. *E. hiessini* Svanbaev, 1956

Host : *Vulpes bengalensis*; site of infection : intestine.

Distribution : India : Orissa.

1218. *E. hungarica* Pellerdy, 1956
(Syn. *E. exigua* of Gill and Ray, 1960)

Host : *Oryctolagus cuniculus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra, Punjab.

1219. *E. intestinalis* Cheissin, 1948

Host : *Oryctolagus cuniculus*; site of infection : intestine.

Distribution : India : Uttarkhand, Punjab.

1220. *E. intricata* Spiegel, 1925

Host : *Capra hircus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Madhya Pradesh, Maharashtra, Bihar, West Bengal, Orissa.

1221. *E. irresidua* Kessel and Jankiewicz, 1931

Host : *Oryctolagus cuniculus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra, Punjab.

1222. *E. jalpaiguriensis* Bandyopadhyay and Dasgupta, 1982

Host : *Herpestes edwardsi*; site of infection : intestine.

Distribution : India : West Bengal.

1223. *E. leporis* Nieschulz, 1923

Host : *Lepus ruficaudatus*; site of infection : intestine.

Distribution : India : Uttarakhand, Punjab.

1224. *E. leuckarti* (Flesch, 1883)

Host : *Equus caballus*; site of infection : intestine.

Distribution : India : Maharashtra.

1225. *E. levinei* Krishnamurthy and Kshirsagar, 1980

Host : *Rattus rattus rattus*; site of infection : intestine.

Distribution : India : Maharashtra.

1226. *E. lomarii* Dubey, 1963

Host : *Vulpes bengalensis*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1227. *E. magna* Perard, 1925

Host : *Lepus ruficaudatus*; site of infection : intestine.

Distribution : India : Punjab.

1228. *E. malabaricus* Joseph, 1979

Host : *Funambulus tristriatus*; site of infection : intestine.

Distribution : India : Kerala.

1229. *E. mathurai* Dubey and Pande, 1963

Host : *Felis chaus*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1230. *E. matsubayashii* Tsunoda, 1952

Host : *Oryctolagus cuniculus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Punjab.

1231. *E. maxima* Tyzzer, 1929

Host : *Gallus gallus*; site of infection : intestine.

Distribution : India : Maharashtra.

1232. *E. media* Kessel, 1929

Host : *Lepus ruficaudatus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Punjab.

1233. *E. minima* Carvalho, 1943

Host : *Lepus ruficaudatus*; site of infection : intestine.

Distribution : India : Punjab.

1234. *E. micropylifera* Bandyopadhyay and Dasgupta, 1984

Host : *Petaurista magnificus*; site of infection : intestine.

Distribution : India : West Bengal.

1235. *E. mitis* Tyzzer, 1929

Host : *Gallus gallus*; site of infection : intestine.

Distribution : India : Maharashtra.

1236. *E. mrigai* Pande *et al.*, 1972

Host : *Antilope cervicapra*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1237. *E. mundaragi* Hiregaudar, 1956

Host : *Bos indicus*; site of infection : intestine.

Distribution : India : Maharashtra.

1238. *E. murinus* Bandyopadhyay and Dasgupta, 1985

Host : *Suncus murinus*; site of infection : intestine.

Distribution : India : West Bengal.

1239. *E. nagpurensis* Gill and Ray, 1961

Host : *Oryctolagus cuniculus*; site of infection : intestine.

Distribution : India : Maharashtra, Madhya Pradesh.

1240. *E. nasuta* Bandyopadhyay and Das Gupta, 1984

Host : *Petaurista magnificus*; site of infection : intestine.

Distribution : India : West Bengal.

1241. *E. neodeblicki* Vetterling, 1965

Host : *Sus scrofa*; site of infection : intestine.

Distribution : India : Madhya Pradesh, Uttar Pradesh.

1242. *E. neoleporis* Carvaho, 1942

Host : *Oryctolagus cuniculus*; site of infection : posterior part of small intestine and large intestine.

Distribution : India : Uttarakhand, Punjab.

1243. *E. newalai* Dubey and Pande, 1963

Host : *Herpestes edwardsi*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1244. *E. nilgai* Pande *et al.*, 1970

Host : *Bosephalus tragacamelus*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1245. *E. ninakohlyakimovae* Yakimoff and Rastegaieff, 1930

Host : *Capra hircus*; site of infection : intestine.

Distribution : India : Andhra Pradesh, Punjab, Haryana, Madhya Pradesh, Uttar Pradesh, Maharashtra, Orissa, West Bengal.

1246. *E. novowenyoni*, Rastegaieff, 1929

Host : *Panthera tigris*; site of infection : intestine.

Distribution : India : Orissa.

1247. *E. nyctycebi* Patnaik and Acharjyo, 1970

Host : *Nycticebus coucang*; site of infection : intestine.

Distribution : India : Orissa.

1248. *E. oryctolagi* Ray and Banik, 1965

Host : *Oryctolagus cuniculus*; site of infection : intestine.

Distribution : India : West Bengal.

1249. *E. ovina* Levine and Ivens. 1970

Host : *Ovis aires*; site of infection : intestine.

Distribution : India : Maharashtra.

1250. *E. ovoidalis* Ray and Mandal, 1961

Host : *Bubalus bubalis*; site of infection : intestine.

Distribution : India : West Bengal.

1251. *E. pandei* Patnaik and Ray. 1965

Host : *Herpestes edwardsi*; site of infection : intestine.

Distribution : India : Orissa.

1252. *E. parahi* Pande, Bhatia, Chauhan and Garg, 1970

Host : *Axis porcinus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1253. *E. parbhariensis* Kshirsagar, 1976

Host : *Capra hircus*; site of infection : intestine.

Distribution : India : Maharashtra.

1254. *E. parva* Kotlan, Mocsy and Vajda, 1929

Host : *Capra hircus*; site of infection : intestine, caecum and colon.

Distribution : India : Haryana, Punjab, Madhya Pradesh, Uttar Pradesh, Orissa, Bihar, Maharashtra.

1255. *E. pellita* Supperer, 1952

Host : *Bos indicus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra.

1256. *E. perforans* (Leuckart, 1879)

Host : *Oryctolagus cuniculus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Maharashtra, Punjab.

1257. *E. perminuta* Henry, 1931

Host : *Sus scrofa*; site of infection : intestine.

Distribution : India : Orissa, Bihar, Uttar Pradesh, Madhya Pradesh.

1258. *E. perminuta mathurai* Mishra, 1967

Host : *Sus scrofa*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1259. *E. petauristae* Ray and Singh, 1950

Host : *Petaurista petaurista*, *Petaurista inornatus*, *Petaurista albiventer*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Uttar Pradesh, Orissa.

1260. *E. polita* Pellerdy, 1949

Host : *Sus scrofa*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1261. *E. porci* Vetterling, 1965

Host : *Sus scrofa*; site of infection : jejunum and ileum.

Distribution : India : Madhya Pradesh, Uttar Pradesh.

1262. *E. punctata* Landers, 1955

Host : *Ovis aires*; site of infection : intestine.

Distribution : India : Maharashtra.

1263. *E. punjabensis* Gill and Ray, 1961

Host : *Lepus ruficaudatus*; site of infection : intestine.

Distribution : India : Punjab.

1264. *E. raghunathpurensis* Bandyopadhyay and Sikdar, 2003

Host : Sheep, *Ovis aires*; site of infection : intestine.

Distribution : India : West Bengal.

1265. *E. rajasthani* Dubey and Pande, 1963

Host : *Camelus dromedaries*; site of infection : intestine.

Distribution : India : Rajasthan.

1266. *E. ramgai* Pande, Bhatia, Chauhan and Garg, 1970

Host : *Tragulus meminna*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1267. *E. rayi* Rao and Bhatavdekar, 1957

Host : *Canis familiaris*; site of infection : intestine.

Distribution : India : Maharashtra.

1268. *E. robertsoni* (Madsen, 1938)

Host : *Campanius ruficaudatus* (= *Lepus nigricollis ruficaudatus*); site of infection : intestine.

Distribution : India : Uttar Pradesh, Punjab.

1269. *E. ruficaudati* Gill and Ray, 1961

Host : *Lepus ruficaudatus*, *Lepus americanus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Punjab.

1270. *E. sardari* Bhatia, Chauhan, Arora and Agarwal, 1973

Host : *Muntiacus muntjak*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1271. *E. sardinae* (Thelohan, 1890)

Host : *Homo sapiens* (unnatural host); site of infection : intestine.

Distribution : India.

1272. *E. scabra* Henry, 1931

Host : *Sus scrofa*; site of infection : small intestine.

Distribution : India : Madhya Pradesh, Uttar Pradesh, Bihar, Orissa.

1273. *E. sibporensis* Bandyopadhyay and Dasgupta, 1986

Host : *Rattus rattus arboreus*; site of infection : intestine.

Distribution : India : West Bengal.

1274. *E. spinosa* Henry, 1931

Host : *Sus scrofa*; site of infection : small intestine.

Distribution : India : Haryana, Madhya Pradesh, Orissa, West Bengal.

1275. *E. stiedai* (Lindermann, 1865)

Host : *Oryctolagus cuniculus*; site of infection : bile duct epithelium.

Distribution : India : Uttarakhand, Punjab, Jammu and Kashmir.

1276. *E. subspherica* Christensen, 1941

Host : *Bubalus bubalis*; site of infection : intestine.

Distribution : India : Haryana, Maharashtra, Uttar Pradesh.

1277. *E. suncus* Ahuwalia, Singh, Arora, Mandal and Sarkar, 1979

Host : *Suncus murinus soccatus*, *Suncus murinus murinus*; site of infection : small intestine.

Distribution : India : Uttar Pradesh, West Bengal.

1278. *E. surdarbanensis* Bandyopadhyay, 2004

Host : *Capra hircus*; site of infection : intestine.

Distribution : India : West Bengal.

1279. *E. sylvilagi* Carini, 1940

Host : *Oryctolagus cuniculus*; site of infection : jejunum and ileum.

Distribution : India : Uttar Pradesh, Punjab.

1280. *E. tirupatiensis* Sivanarayan and Venkatratnam, 1969

Host : *Capra hircus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

1281. *E. tragocamelis* Bhatia, 1968

Host : *Boselaphus tragocamelus*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1282. *E. tuberculata* Krishnamurthy and Kshirsagar, 1980

Host : *Rattus r. rattus*; site of infection : intestine.

Distribution : India : Maharashtra.

1283. *E. vulpes* Galli-Valerio, 1929

Host : *Vulpes bengalensis*; site of infection : intestine.

Distribution : India : Orissa.

1284. *E. wassilewskyi* Rastegaieff, 1930

Host : *Axis axis*; site of infection : intestine.

Distribution : India : Andhra Pradesh, Orissa.

1285. *E. waybridgensis* Norton *et al.*, 1974

Host : *Ovis aires*; site of infection : intestine.

Distribution : India : Maharashtra.

1286. *E. wyomingensis* Huizinga and Winger, 1942

Host : *Bubalus bubalis*; site of infection : intestine.

Distribution : India : Haryana, Uttar Pradesh.

1287. *E. yakimovi* Rastagaieff, 1930

Host : *Boselaphus tragocamelus*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1288. *E. zuernii* (Rivolta, 1878).

Host : *Bos indicus*; site of infection : intestine.

Distribution : India : Andhra Pradesh, Haryana, Orissa, Maharashtra, Uttar Pradesh.

1289. *E. sp.*

Host : *Axis axis*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1290. *E. sp.*

Host : *Funambulus palmarum*; site of infection : intestine.

Distribution : India : Maharashtra.

1291. *E. sp.*

Host : *Bos indicus*; site of infection : intestine.

Distribution : India : Meghalaya.

1292. *E. sp.*

Host : *Presbytes entellus*; site of infection : intestine.

Distribution : India.

1293. *E. sp.*

Host : Bonnet Monkey; site of infection : intestine.

Distribution : India : Uttar Pradesh.

Genus *Mantonella* Vincent, 1936

1294. *M. macrobrachii* Aravindan *et al.*, 2002

Host : *Macrobrachium rosenbergii*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Genus *Caryospora* Leger, 1904

1295. *C. bengalensis* Mandal, 1976

Host : *Enhydrys enhydryis*; site of infection : intestine.

Distribution : India : West Bengal.

1296. *C. cobrae* Nandi, 1985

Host : *Naja naja*; site of infection : intestine.

Distribution : India : West Bengal.

1297. *C. gekkonis* Chakravarty and Kar, 1947

Host : *Gekko gekko*; site of infection : intestine.

Distribution : India : West Bengal.

Genus *Isospora* Schneider, 1881**A. *Isospora* of amphibians**1298. *I. stomatici* Chakravarty and Kar, 1944

(Syn. *I. stomaticae* Chakravarty and Kar, 1944)

Host : *Bufo stomaticus*; site of infection : small intestine.

Distribution : India : West Bengal.

1299. *I. wenyoni* Ray and Das Gupta, 1935

Host : *Bufo melanostictus*, *Rana tigrina*, *Rana limnocharis*; site of infection : small intestine.

Distribution : India : West Bengal.

B. *Isospora* of reptiles1300. *I. calotesi* Bhatia, 1938

Host : *Calotes versicolor*; site of infection : intestine.

Distribution : India : Maharashtra, West Bengal.

1301. *I. dirumpens* Hoare, 1933

Host : *Natrix platyceps*; site of infection : intestine.

Distribution : India : Uttarakhand.

1302. *I. knowlesi* Ray and Dasgupta, 1937

Host : *Hemidactylus flaviviridis*; site of infection : intestine.

Distribution : India : West Bengal.

1303. *I. minuta* Mitra and Dasgupta, 1937

Host : *Naja naja hanah*, *Naja naja*; site of infection : intestine.

Distribution : India : Meghalaya, West Bengal.

1304. *I. rayi* Mandal, 1966

Host : *Ptyctolaemus* sp.; site of infection : rectal contents.

Distribution : India : Meghalaya.

1305. *I. sp.*

Host : *Hemidactylus flaviviridis*; site of infection : intestine.

Distribution : India.

1306. *I. sp.*

Host : Terropin, *Clemys caspica*; site of infection : intestine.

Distribution : India : West Bengal.

C. Isospora of birds

1307. *I. balaericae* Banik and Ray, 1962

Host : *Balaerica regulorum*; site of infection : intestine.

Distribution : India : West Bengal.

1308. *I. bengalensis* Mandal and Chakravarty, 1964

Host : *Corvus splendens*; site of infection : intestine.

Distribution : India : West Bengal.

1309. *I. capistrata* Sinha and Sinha, 1981

Host : *Heterophasia capistrata*; site of infection : intestine.

Distribution : India : West Bengal.

1310. *I. ceylonensis* Sinha *et al.*, 1978

(Syn. *I. calochrysea* Sinha *et al.*, 1978)

Host : *Culicicapa ceylonensis calochrysea*; site of infection : small intestine.

Distribution : India : West Bengal.

1311. *I. cheeli* Bhatia, Pande and Garg, 1970

Host : *Milvus migrans*; site of infection : small intestine.

Distribution : India : Uttar Pradesh.

1312. *I. choudari* Bhatia, Chauhan, Arora and Agarwal, 1972

Host : *Gallus sonneratii*; site of infection : intestine.

Distribution : India : Delhi.

1313. *I. concinnus* Sinha and Sinha, 1979

Host : *Aegithinus concinus rubricapillus*; site of infection : small intestine.

Distribution : India : West Bengal.

1314. *I. copsychi* Paul, Ghosh and Haldar, 1991

Host : *Copsychus saularis*; site of infection : intestine.

Distribution : India : West Bengal.

1315. *I. corvi* Ray, Shivnani, Oommen and Bhaskaran, 1952

Host : *Corvus macrorhynchus intermedius*; site of infection : small intestine.

Distribution : India : Uttarakhand, Meghalaya.

1316. *I. emberizae* Mandal and Chakravarty, 1964

Host : *Emberiza bruniceps*; site of infection : small intestine.

Distribution : India : West Bengal.

1317. *I. estrildi* Paul, Ghosh and Haldar, 1991

Host : *Estrilda amandava*; site of infection : intestine.

Distribution : India : West Bengal.

1318. *I. garrulae* Ray, Shivnani, Oommen and Bhaskaran, 1952

(Syn. *I. garulicis* Ray *et al.*, 1952)

Host : *Garrulax lineatus lineatus*; site of infection : small intestine.

Distribution : India : Uttarakhand, Meghalaya.

1319. *I. garrulusae* Ray, Shivnani, Oommen and Bhaskaran, 1952

Host : *Garrulus glandarieus bispecularis*; site of infection : small intestine.

Distribution : India : Uttarakhand, Meghalaya.

1320. *I. ginginiani* Chakravarty and Kar, 1944

(Syn. *I. ginginiana* Chakravarty and Kar, 1944)

Host : *Acridotheres ginginianus*; site of infection : intestine.

Distribution : India : West Bengal.

1321. *I. graculae* Bhatia, Chauhan, Arora and Agarwal, 1973

(Syn. *I. graculai* Bhatia, Chauhan, Arora and Agarwal, 1973)

Host : *Gracula religiosa*; site of infection : intestine.

Distribution : India : Delhi.

1322. *I. gypsi* Patnaik and Mohanty, 1969

Host : *Gyps bengalensis*; site of infection : intestine.

Distribution : India : Orissa, Uttar Pradesh, West Bengal.

1323. *I. kocani* Bhatia, Chauhan, Arora and Agarwal, 1972

Host : *Phasianus colchicus*, *Phasianus versicolor*; site of infection : intestine.

Distribution : India : Delhi.

1324. *I. lacazei* Labbe, 1893

Host : *Passer domesticus*, *Ploceus philippinus*, *Copsychus saularis*, *Pycnonotus cafer*, *Sturnus contra*, *Acridotheres tristis tristis*, *Acridotheres ginginianus*; site of infection : small intestine.

Distribution : India : Andhra Pradesh, Maharashtra, West Bengal, cosmopolitan.

1325. *I. lonchurae* Mandal and Chakravarty, 1964

Host : *Lonchura punctulata*, *Sturnus contra*; site of infection : small intestine.

Distribution : India : West Bengal.

1326. *I. malabaricae* Swarup and Chauhan, 1975

Host : *Sturnus m. malabarica* (= *Sturnus m. malabaricus*); site of infection : intestine.

Distribution : India : Uttar Pradesh.

1327. *I. mandali* Paul, Ghosh and Haldar, 1991

Host : *Lonchura striata*; site of infection : intestine.

Distribution : India : West Bengal.

1328. *I. mandari* Bhatia, Chauhan, Arora and Agarwal, 1972

Host : *Aix galericulata*; site of infection : intestine.

Distribution : India : Delhi.

1329. *I. mayuri* Patnaik, 1966

(Syn. *I. pellerdyi* Patnaik, 1965)

Host : *Pavo cristatus*; site of infection : intestine.

Distribution : India : West Bengal, Orissa, Delhi, Uttar Pradesh.

1330. *I. megalaimae* Mandal and Chakravarty, 1964

(Syn. *I. melopsittaci* Bhatia *et al.*, 1973)

Host : *Megalaima haemacephala*; site of infection : intestine.

Distribution : India : West Bengal.

1331. *I. melopsittacusi* Bhatia, Chauhan, Arora and Agarwal, 1972

Host : *Melopsittacus undulatus*; site of infection : intestine.

Distribution : India : Delhi.

1332. *I. muniae* Chakravarty and Kar, 1944

Host : *Munia* (Syn. *Lonchura*) *m. malacca*; site of infection : intestine (faeces).

Distribution : India : West Bengal.

1333. *I. pari* Ray *et al.*, 1952(Syn. *I. parusae* Ray *et al.*, 1952; *I. lophophurae* Ray *et al.*, 1952)*Host* : *Parus dichrurus*; site of infection : intestine.*Distribution* : India : Uttarakhand, Meghalaya.1334. *I. parvae* Chatterjee and Choudhury, 1979*Host* : *Muscicapa parva*; site of infection : intestine.*Distribution* : India : West Bengal.1335. *I. psittaculae* Chakravarty and Kar, 1947*Host* : *Psittacula eupatria nipalensis*, *Elathea* (= *Pycnonotus*) *jocosus emeria*; site of infection : intestine.*Distribution* : India : West Bengal.1336. *I. pycnonotus* Mandal and Chakravarty, 1964(Syn. *I. pycnonotusi* Bhatia *et al.*, 1973)*Host* : *Pycnonotus jocosus*; site of infection : small intestine.*Distribution* : India : West Bengal, Uttar Pradesh.1337. *I. rajulii* Satyanarayanacharyulu, Subba Rao and Christopher, 1969*Host* : *Acridotheres t. tristis*; site of infection : intestine.*Distribution* : India : Andhra Pradesh.1338. *I. scircusae* Ray, Shivnani, Oommen and Bhaskaran, 1952*Host* : *Scircus xanthoschistos*; site of infection : intestine.*Distribution* : India : Uttarakhand.1339. *I. sturniae* Chakravarty and Kar, 1947*Host* : *Sturnus malabaricus*; site of infection : intestine.*Distribution* : India : Bihar.1340. *I. temenuchii* Chakravarty and Kar, 1944*Host* : *Tememnuchus* (= *Sturnus*) *pagodarum*; site of infection : intestine.*Distribution* : India : West Bengal.1341. *I. tristis* Chakravarty and Kar, 1947(Syn. *I. ginginiana tristis* Chakravarty and Kar, 1947)*Host* : *Acriditheres tristis tristis*; site of infection : intestine.*Distribution* : India : West Bengal.

1342. *I. upupae* Chakravarty and Kar, 1947

Host : *Upupa epops orientalis*; site of infection : intestine.

Distribution : India : Bihar.

1343. *I. zosteropsis* Chakravarty and Kar, 1947

Host : *Zosterops p. palpebrosa*; site of infection : intestine.

Distribution : India : West Bengal.

1344. *I. sp.*

Host : *Gallus domesticus*; site of infection : intestine.

Distribution : India : Mahya Pradesh.

1345. *I. sp.*

Host : *Anas sp.*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1346. *I. sp.*

Host : *Motacilla alba*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1347. *I. sp.*

Host : *Alauda gulgula*; site of infection : intestine.

Distribution : India : Maharashtra.

1348. *I. sp.*

Host : *Turdoides somervillei*; site of infection : intestine.

Distribution : India : Maharashtra.

1349. *I. sp.*

Host : *Amandava amandava*; site of infection : intestine.

Distribution : India : Maharashtra.

1350. *I. spp. (2)*

Host : *Pycnonotus cafer*; site of infection : intestine.

Distribution : India : Maharashtra.

1351. *I. sp.*

Host : *Sylira crucca*; site of infection : intestine.

Distribution : India : Maharashtra.

1352. *I. sp.*

Host : *Temenuchus pagodarum*; site of infection : intestine.

Distribution : India : Maharashtra.

1353. *I. sp.*

Host : *Micropus affinis*; site of infection : intestine.

Distribution : India : Maharashtra.

D. Isospora of mammals1354. *I. aurangabadensis* Kshirsagar, 1980

Host : *Rattus r. rattus*; site of infection : intestine.

Distribution : India : Maharashtra.

1355. *I. belli* Wenyon, 1923

Host : *Homo sapiens*; site of infection : intestine.

Distribution : India : West Bengal, Maharashtra.

1356. *I. bengalensi* Patnaik and Achajyo, 1971
(Syn. *I. nandankanani* Patnaik and Acharjyo, 1977)

Host : *Felis bengalensis*; site of infection : intestine.

Distribution : India : Orissa.

1357. *I. bigemina* (Stiles, 1891)

Host : *Canis familiaris* (= *Canis sp.*); site of infection : intestine.

Distribution : India : Andhra Pradesh, Orissa, Maharashtra

1358. *I. bisoni* Mandal and Choudhury, 1983

Host : *Bos gaurus*; site of infection : intestine.

Distribution : India : Bihar.

1359. *I. buriatica* Yakimoff and Matschoulsky, 1940

Host : *Vulpes bengalensis*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1360. *I. canis* Nemeseri, 1959

[syn. *I. felis* Wenyon, 1923 in dog; *Levinea canis* (Nemseri, 1959) and Dubey, 1977]

Host : *Canis familiaris* (= *Canis sp.*); site of infection : small intestine, liver, spleen, colon etc.

Distribution : India : West Bengal:-

1361. *I. dasguptai* Levine, Evens and ealy, 1975

(Syn. *I. rivolta* (Grassi, 1879) of Knowles and Dasgupta (1931); *I. garnhami* (small form) of Dubey and Pande (1963))

Host : *Herpestes auropunctatus*, *Herpestes edwardsi*; site of infection : intestine.

Distribution : India : West Bengal, Uttar Pradesh.

1362. *I. felina* Patnaik and Acharjyo, 1971

Host : *Felis bengalensis*; site of infection : intestine.

Distribution : India : Orissa.

1363. *I. felis* Wenyon, 1923

Host : *Canis* sp., *Felis domesticus*, *Panthera tigris* ; site of infection : intestine.

Distribution : India : Andhra Pradesh, Uttar Pradesh, Tamil Nadu, West Bengal, Maharashtra.

1364. *I. garnhami* Bray, †1954

Host : *Herpestes mungo* (= *edwardsi*) ; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1365. *I. hippopotami* Agarwal, Ahluwalia, Bhatia and Chauhan, 1981

Host : *Hippopotamus amphibious*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1366. *I. hoare*i Bray, 1954

Host : *Herpestes edwardsi*; site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1367. *I. hominis* (Railliet and Lucet, 1981)

Host : *Homo sapiens*; site of infection : intestine.

Distribution : India : West Bengal.

1368. *I. krishnamurthyi* Kshirsagar, 1980

Host : *Rattus r. rattus*; site of infection : intestinal contents.

Distribution : India : Maharashtra.

1369. *I. leonina* Mandal and Ray, 1960

Host : *Leo leo*; site of infection : intestine.

Distribution : India : West Bengal, Orissa.

1370. *I. leopardi* Agarwal, Ahluwalia, Bhatia and Chauhan, 1981

Host : *Neofelis nebulata*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1371. *I. levinei* Dubey, 1963

Host : *Hyana striata* (= *Hyaena hyaena hyaena*), *Herpestes mungo*, *Herpestes edwardsii*;
site of infection : intestine.

Distribution : India : Uttar Pradesh, Orissa.

1372. *I. mohini* Agarwal, Ahluwalia, Bhatia and Chauhan, 1981

Host : *Panthera leo*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1373. *I. mungoi* Levine, Ivens and Healy, 1975

(Syn. Large form of *I. garnhami* Bray, 1954 of Dubey and Pande, 1963)

Host : *Herpestes edwardsi*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1374. *I. pantheri* Agarwal, Ahluwalia, Bhatia and Chauhan, 1981

Host : *Panthera leo*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1375. *I. pardusi* Patnaik and Acharjyo, 1971

Host : *Panthera pardus*; site of infection : intestine.

Distribution : India : Orissa.

1376. *I. pellerdyi* Dubey and Pande, 1964

(Syn. *I. knowlesi* Dubey and Pande, 1963; *I. dubeyi* Patnaik and Ray, 1965)

Host : *Herpestes edwardsi*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1377. *I. rivolta* (Grassi, 1879)

Host : *Canis familiaris* (= *Canis* sp.), *Felis catus* (= *Felis* sp.), *Felis chaus*, *Panthera pardus* ; site of infection : intestine.

Distribution : India : Maharashtra, Tamil Nadu, Uttar Pradesh, Bihar, West Bengal, cosmopolitan.

1378. *I. sibporensis* Bandyopadhyay, Nandi and Das, 1987

Host : *Rattus rattus arboreus*; site of infection : intestine.

Distribution : India : West Bengal.

1379. *I. suis* Biester, 1934

Host : *Sus scrofa* (= *Sus* sp.) ; site of infection : small intestine.

Distribution : India : Orissa, Uttar Pradesh.

1380. *I. sundarbanensis* Ray and Sarkar, 1985

Host : *Sus scrofa*; site of infection : intestine.

Distribution : India : West Bengal.

1381. *I. tropicalis* Mukherjee and Krassner, 1965

Host : *Canis aureus*; site of infection : intestine.

Distribution : India : West Bengal.

1382. *I. ursi* Agarwal, Ahluwalia, Bhatia and Chauhan, 1981

Host : *Melursus ursinus*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1383. *I. viverrina* Agarwal and Chauhan, 1993

Host : *Felis viverrina*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1384. *I. vulpis* Galli-Valerio, 1931

Host : *Vulpes bengalensis*; site of infection : intestine.

Distribution : India : Orissa.

1385. *I. sp.*

Host : *Panthera leo*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1386. *I. sp.*

Host : *Bos indicus* (= *Bos sp.*); site of infection : intestine.

Distribution : India : Assam, Meghalaya.

1387. *I. sp.*

Host : *Macaca radiata*; site of infection : intestine.

Distribution : India : Uttar Pradesh

1388. *I. sp.*

Host : *Sus scrofa domestica* (= *Sus sp.*); site of infection : intestine.

Distribution : India : Madhya Pradesh.

Genus *Dorisa* Levine, 1980

A. *Dorisa* of birds

1389. *D. aethiosparis* (Chakravarty and Kar, 1947)

(= *Dorisiella aethiosparis* Chakravarty and Kar, 1947)

Host : *Aethiospar* (= *Acridotheres*) *fuscus fuscus*; site of infection : intestine.

Distribution : India : West Bengal

1390. *D. chakravartyi* (Ray and Sarkar, 1967)
(= *Dorisiella chakravartyi* Ray and Sarkar, 1967).

Host : *Lonchura malabarica*, *Lonchura punctulata*; site of infection : intestine.

Distribution : India : West Bengal.

1391 *D. graculae* Mandal, Nandi, Chakraborty, Bhowmik, Sarkar and Ray, 1984

Host : *Gracula religiosa*; site of infection : intestine.

Distribution : India : West Bengal

1392. *D. hareni* (Chakravarty and Kar, 1944)
(= *Dorisiella hareni* Chakravarty and Kar, 1944)

Host : *Munia* (= *Lonchura*) *malacca malacca*, *M. atricapilla* (= *L. malacca*) *rubroniger*, *Amandava amandava*, (= *Estrilda amandava*), *Uroloncha* (= *Lonchura*) *malabarica*, *Uroloncha* (= *L.*) *punctulata*; site of infection : small intestine.

Distribution : India : West Bengal.

1393. *D. mandali* (Ray and Sarkar, 1967)
(= *Dorisiella mandali* Ray and Sarkar, 1967)

Host : *Zosterops palpebrosa*; site of infection : small intestine.

Distribution : India : West Bengal

1394. *D. passeris* (Ray and Sarkar, 1967)
(= *Dorisiella passeris* Ray and Sarkar, 1967)

Host : *Passer domesticus*; site of infection : duodenum and ileum.

Distribution : India : West Bengal.

1395. *D. vagabundae* (Mandal and Chakravarty, 1963)
(= *Dorisiella vagabundae* Mandal and Chakravarty, 1963)

Host : *Crypsirina* (= *Dendrocitta*) *vagabunda*; site of infection : small intestine.

Distribution : India : West Bengal.

B. *Dorisa* of mammals

1396. *D. bengalensis* (Bandyopadhyay and Ray, 1982)
(= *Dorisiella bengalensis* Bandyopadhyay and Ray, 1982)

Host : *Funambulus pennati*; site of infection : intestine (faeces).

Distribution : India : West Bengal.

1397. *D. harpia* (Sinha and Das Gupta, 1978)
(= *Dorisiella harpia* Sinha and Das Gupta, 1978)

Host : *Harpiocephalus harpia lasyurus*; site of infection : small intestine.

Distribution : India : West Bengal.

1398. *D. indica* Bandyopadhyay and Bhattacharjee, 1986

Host : *Rattus rattus arboreus*; site of infection : intestine.

Distribution : India : West Bengal.

Genus *Sivatoshella* Ray and Sarkar, 1967

1399. *S. lonchurae* Ray and Sarkar, 1967

Host : *Lonchura punctulata*, *Lonchura malabarica*; site of infection : small intestine.

Distribution : India : West Bengal.

Genus *Weneyonella* Hoare, 1933

A. *Wenyonella* of birds

1400. *W. anatis* Pande, Bhatia and Srivastava, 1965

Host : *Anas platyrhynchos domestica*; site of infection : small intestine.

Distribution : India : Uttar Pradesh, Meghalaya.

1401. *W. bahli* Misra, 1944

Host : *Coturnix communis*; (= *Coturnix. c. coturnix*); site of infection : small intestine.

Distribution : India : Uttar Pradesh, Meghalaya.

1402. *W. columbae* Haldar and Ray Chaudhury, 1974

Host : *Columba livia intermedia*; site of infection : small intestine.

Distribution : India : West Bengal.

1403. *W. gagari* Sarkar and Ray, 1968

Host : *Anas boschus* (= *Anas p. platyrhyncha*) ; site of infection : intestine.

Distribution : India : West Bengal.

1404. *W. gallinae* Ray, 1945

Host : *Gallus gallus domesticus*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1405. *W. mackinnoni* Misra, 1947

Host : *Motacilla alba*; site of infection : small intestine.

Distribution : India : Uttar Pradesh, Meghalaya.

1406. *W. pellerdyi* Bhatia and Pande, 1966

Host : *Anas querquedula*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

B. *Wenyonella* of mammals

1407. *W. hoarei* Ray and Das gupta, 1935

Host : *Sciurus* sp.; site of infection : small intestine.

Distribution : India : West Bengal.

1408. *W. levinei* Bandyopadhyay, Ray and Dasgupta, 1986

Host : *Rattus rattus arboreus*; site of infection : intestine.

Distribution : India : West Bengal.

Genus *Octosporella* Ray and Raghavachari, 1942

1409. *O. mabuiiae* Ray and Raghavachari, 1942

Host : *Mabuya* sp.; site of infection : intestine.

Distribution : India : West Bengal.

Genus *Pythonella* Ray and Dasgupta, 1937

1410. *P. bengalensis* Ray and Dasgupta, 1937

Host : *Python* sp. ; site of infection : intestine.

Distribution : India : West Bengal.

Family BARROUXIIDAE

Genus *Goussia* Labbe, 1896

1411. *G. gadusae* Sarkar, 2004

(= *Gaussia gadusae* Sarkar, 2004)

Host : *Gadusia chapra*; site of infection : intestine.

Distribution : India : West Bengal.

Family ATOXOPLASMATIDAE

Genus *Atoxoplasma* Garnham, 1950

1412. *A. adiei* (Aragao, 1911)

(Syn. *Haemogregarina adiei* Aragao, 1911; *Lankesterella adiei* Aragao, 1991)

Host : *Passer domesticus*; site of infection : blood and intestinal cells.

Distribution : India.

1413. *A. butasturis* (de Mello, 1935)

(Syn. *Toxoplasma butasturis* de Mello, 1935)

Host : *Butastur teesa*; site of infection : blood.

Distribution : India : Goa.

1414. *A. paddae* (Aragao, 1991)
(Syn. *Toxoplasma fulicae* de Mello, 1935)

Host : *Fulica atra*; site of infection : blood.

Distribution : India : Goa.

Family LANKESTERELLIDAE

Genus *Lankesterella* Labbe, 1899

A. *Lankesterella* of amphibians

1415. *L. bufonis* Monsoor and Mohammad, 1962

Host : *Bufo melanostictus*; site of infection : blood.

Distribution : India : West Bengal.

1416. *L. minima* (Chaussat, 1850)

Host : *Rana tigrina*; site of infection : blood.

Distribution : India : West Bengal, Maharashtra, Tamil Nadu.

1417. *L. monilis* Labbe, 1809

Host : *Rana limnocharis*, *Rana tigrina*; site of infection : blood.

Distribution : India : West Bengal.

1418. *L. ranae* Ray, 1980

Host : *Rana cynophlyctis*; site of infection : blood.

Distribution : India : West Bengal.

1419. *L. rhacophorae* Ray 1980

Host : *Rhaccophorus maculatus*; site of infection : blood.

Distribution : India : West Bengal.

1420. *L. sp.*

Host : *Bufo himalayana*; site of infection : blood.

Distribution : India : West Bengal.

1421. *L. sp.*

Host : *Rana tigrina*; site of infection : blood.

Distribution : India : Uttar Pradesh.

B. *Lankesterella* of reptiles

1422. *L. sp.*

Host : *Hemidictylus flaviviridis*; site of infection : blood.

Distribution : India : Uttar Pradesh.

C. *Lankesterella* of birds1423. *L. sp.**Host* : *Ploceus philippinus*; site of infection : blood.*Distribution* : India : West Bengal.1424. *L. sp.**Host* : *Passer domesticus*; site of infection : blood.*Distribution* : India : West Bengal.1425. *L. sp.**Host* : *Sturnus malabaricus*; site of infection : blood.*Distribution* : India : West Bengal.**D. *Lankesterella* of mammals**1426. *L. sp.**Host* : *Rattus rattus*; site of infection : blood.*Distribution* : India : Uttar Pradesh.**Family DACTYLOSOMATIDAE****Genus *Dactylosoma* Labbe, 1894**1427. *D. notopteri* Kundu and Haldar,*Host* : *Notopterus notopterus*; site of infection : blood.*Distribution* : India : West Bengal.1428. *D. striata* Sarkar and Haldar, 1979*Host* : *Ophicephalus striatus*; site of infection : blood.*Distribution* : India : West Bengal.1429. *D. sp.**Host* : *Mystus vittatus*; site of infection : blood.*Distribution* : India : West Bengal.**Genus *Schellackia* Reichenow, 1919**1430. *S. calotesi* (Ray and Sarkar, 1969)(Syn. *Gordonella calotesi* Ray and Sarkar, 1969)*Host* : *Calotes versicolor*; site of infection : intestine.*Distribution* : India : West Bengal.**Family SARCOCYSTIDAE****Genus *Sarcocystis* Lankester, 1882**1431. *S. blanchardi* Doflein, 1901*Host* : *Bos indicus*, *Bubalus bubalis*; site of infection : striated and heart muscle.

Distribution : India : West Bengal.

1432. *S. capracanis* Doflein, 1901

Host : *Capra hircus*; site of infection : striated and heart muscle.

Distribution : India : Maharashtra.

1433. *S. fusiformis* (Railliet, 1897)

Host : *Canis aureus*, *Bubalus bubalis*; site of infection : striated muscle.

Distribution : India : Uttar Pradesh.

1434. *S. lindemanni* (Rivolta, 1878)

Host : *Homo sapiens*; site of infection : striated muscle.

Distribution : India : Tamil Nadu

1435. *S. miescheria* (Kuhn, 1865)

Host : *Sus scrofa domestica*; site of infection : striated muscle.

Distribution : India : Madhya Pradesh.

1436. *S. porcifelis* Dubey, 1976

Host : Pig; site of infection : muscle.

Distribution : India : Uttar Pradesh.

1437. *S. sui hominis* (Tadros and Laarman, 1976)

Host : *Sus scrofa domestica*; site of infection : striated muscle.

Distribution : India : Madhya Pradesh.

1438. *S. tenella* (Railliet, 1886)

(Syn. *Hoaresporidian pellerdyi* Pande *et al.*, 1972)

Host : Paps, *Canis familiaris*; site of infection : intestine.

Distribution : India.

1439. *S. sp.*

Host : Cattle; site of infection : diaphragm.

Distribution : India : Assam.

1440. *S. sp.*

Host : *Naemorhedus goral*; site of infection : striated muscle.

Distribution : India : Uttar Pradesh.

1441. *S. sp.*

Host : Athene brama; site of infection : muscle.

Distribution : India.

1442. *S. sp.*

Host : Cervus unicolor; site of infection : muscle.

Distribution : India : Kerala.

1443. *S. sp.*

Host : Equus caballus; site of infection : muscle.

Distribution : India.

1444. *S. sp.*

Host : Capra horcus; site of infection : muscle.

Distribution : India : Maharashtra.

1445. *S. sp.*

Host : Canis familiaris; site of infection : muscle.

Distribution : India : Maharashtra.

1446. *S. sp.*

Host : Lion, Panthera leo; site of infection : muscle.

Distribution : India : Rajasthan.

1447. *S. sp.*

Host : Panthera pardus; site of infection : muscle.

Distribution : India : Uttar Pradesh.

1448. *S. sp.*

Host : Rhinoceros unicornis; site of infection : muscle.

Distribution : India : Dudwa, Madhya Pradesh.

Family TOXOPLASMATIDAE

Genus *Toxoplasma* Nicolli and Manceaux,

1449. *T. butasturis* de Mello, 1937

Host : Butastur teesa; site of infection : blood.

Distribution : India : Goa.

1450. *T. cuniculi* Splendore, 1909

Host : Rabbit, Lepus sp.; site of infection : liver, spleen, bone marrow and heart blood.

Distribution : India : West Bengal.

1451. *T. gondii* (Nicolli and Manceaux, 1908)

(Syn. *T. francae* (de Mello, 1915) Wenyon, 1926; *T. fulicae* de Mello, 1935;

Haemogregarina francae de Mello, 1915)

Host : *Rattus rattus*, *Lepus* sp., *Fulica atra*, *Gallus domesticus*; site of infection : blood and internal organs.

Distribution : India : West Bengal, Maharashtra, Goa.

1452. *T. hammondi* Splendore, 1909

Host : Cat, *Felis catus*; site of infection : liver, spleen, bone marrow and heart blood.

Distribution : India : Maharashtra.

1453. *T. sp.*

Host : Rabbit; site of infection : internal organs.

Distribution : India.

1454. *T. sp.*

Host : Rhesus monkey, *Macaca mulatta*; site of infection : internal organs.

Distribution : India : Andhra Pradesh, Himachal Pradesh

1455. *T. sp.*

Host : Civet cat; site of infection : internal organs.

Distribution : India.

1456. *T. sp.*

Host : *Homo sapiens*; site of infection :

Distribution : India : Maharashtra.

Suborder HAEMOSPORINA

Family PLASMODIIDAE

Genus *Plasmodium* Marchiafava and Celli, 1885

Plasmodium of reptiles

1457. *P. passertae* de Mello and da Fonseca, 1938

Host : *Dryophis mycterizans*; site of infection : blood.

Distribution : India : Goa.

1458. *P. sp.*

Host : *Hemidactylus prashadi*; site of infection : blood.

Distribution : India : Andhra Pradesh.

***Plasmodium* of birds**

1459. *P. circumflexum* Kikuth, 1931

(Syn. *P. heroni*)

Host : *Ardeola grayi*, *Dendrocitta vagabunda*; site of infection : blood.

Distribution : India : West Bengal

1460. *P. coturnixae* Sarkar and Ray, 1972

Host : *Coturnix coromandelica*; site of infection : blood.

Distribution : India : West Bengal.

1461. *P. fallax* Schwetz, 1930

Host : *Ploceus philippinus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1462. *P. formosam* Manwell, 1962

Host : *Corvus splendens*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1463. *P. garnhami* Guindy, Hoogstral and Mohammed, 1965

Host : *Coturnix coromandelica*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1464. *P. herodiadis* de Mello, 1935

Host : *Egretta i. intermedia* (= *Herodias intermedius*); site of infection : blood.

Distribution : India : Goa.

1465. *P. heroni* Basu, 1938

Host : Pond heron, *Ardeola grayii*; site of infection : blood.

Distribution : India : West Bengal

1466. *P. huffi* Muniz, Soares and Batista, 1951

Host : *Ploceus philippinus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1467. *P. juxtannucleare* Versiani and Gomes, 1941

Host : *Francolinus* sp.; site of infection : blood.

Distribution : India.

1468. *P. matuitinum* (Huff, 1937)

Host : *Corvus splendens*, *Passer domesticus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1469. *P. nucleophilum* Manwell, 1935

Host : *Corvus splendens*, *Passer domesticus*, *Sturnus malabaricus*; site of infection : blood.

Distribution : India : Andhra Pradesh, West Bengal.

1470. *P. pinotti* Muniz and Soares, 1954

Host : *Perdica asiatica*; site of infection : blood.

Distribution : India : Andhra Pradesh

1471. *P. polare* Manwell, 1934

Host : *Francolinus pondicerianus interpositus*; site of infection : blood.

Distribution : India : Delhi.

1472. *P. relictum* (Grassi and Felletti, 1891)

(Syn. *P. centropi* de Mello, 1935; *P. chloropsidis* de Mello, 1935; *P. praecox* Grassi and Felletti, 1890; *P. praecox* var. *muniae* Das gupta and Siddons, 1941; *P. pericrocoti* Chakravarty and Kar, 1945; *P. ploceii* Chakravarty and Kar, 1945)

Host : *Centropus sinensis parroti*, *Chloropsis aurifrons*, *Chloropsis aurifrons davidsoni*, *Columba livia intermedia*, *Corvus splendens*, *Ithacus cruentatus*, *Lonchura malabarica*, *Lonchura malacca*, *Lonchura malacca atricapilla*, *Motacilla alba*, *Muscicapa t. thalassina*, *Passer domesticus*, *Pericrocotus cinamomeus peregrinus*, *Picoides m. nahrattensis*, *Picus chlorolophus*, *Ploceus philippinus*, *Pycnonotus cafer intermedius*, *Tragopan satyra*; site of infection : blood.

Distribution : India : Goa, West Bengal, Andhra Pradesh, Delhi, Rajasthan, Jammu and Kashmir, Maharashtra, Assam, cosmopolitan.

1473. *P. rouxi* Sargent *et al.*; 1928

Host : *Francolinus pondicerianus*; site of infection : blood.

Distribution : India : Delhi.

1474. *P. vaghani* Novy and MacNeal, 1904

Host : *Acridotheres t. tristis*, *Pterocles exustus*, *Streptopelia chinensis*; site of infection : blood.

Distribution : India : Maharashtra, Andhra Pradesh.

1475. *P. venkatramiahii* Bhaskar Rao *et al.*, 1977

Host : *Corvus splendens*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1476. *P. sp.*

Host : *Accipiter virgatus affinis*; site of infection : blood.

Distribution : India : West Bengal.

1477. *P. sp.*

Host : *Acridotheres tristis*; site of infection : blood.

Distribution : India.

1478. *P. sp.*

Host : *Anser anser*; site of infection : blood.

Distribution : India : Rajasthan.

1479. *P. sp.*

Host : *Athene brama*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1480. *P. sp.*

Host : *Centropus sinensis*; site of infection : blood.

Distribution : India : West Bengal.

1481. *P. sp.*

Host : *Chrysoma sinense*; site of infection : blood.

Distribution : India : Maharashtra.

1482. *P. sp.*

Host : *Cisticola juncidis*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1483. *P. sp.*

Host : *Copsychus saularis*; site of infection : blood.

Distribution : India.

1484. *P. sp.*

Host : *Corvus splendens*; site of infection : blood.

Distribution : India.

1485. *P. sp.*

Host : *Dendrocitta vagabunda*; site of infection : blood.

Distribution : India : West Bengal, Rajasthan.

1486. *P.* sp.

Host : *Dicrurus adsimilis*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1487. *P.* sp.

Host : *Heterophasia capistrata*; site of infection : blood.

Distribution : India : West Bengal.

1488. *P.* sp.

Host : *Hippolais caligata*; site of infection : blood.

Distribution : India : Gujarat.

1489. *P.* sp.

Host : *Hypsipetes madagascariensis*; site of infection : blood.

Distribution : India : Maharashtra.

1490. *P.* sp.

Host : *Lanius cristatus*; site of infection : blood.

Distribution : India : Tamil Nadu.

1491. *P.* sp.

Host : *Lanius schach*; site of infection : blood.

Disiribution : India : Maharashtra, Rajasthan, Jammu & Kashmir.

1492. *P.* sp.

Host : *Megalaima haemacephala*; site of infection : blood.

Distribution : India : West Bengal.

1493. *P.* sp.

Host : *Megalaima viridis*; site of infection : blood.

Distribution : India : Maharashtra.

1494. *P.* sp.

Host : *Megalaima zeylanica*; site of infection : blood.

Distribution : India.

1495. *P.* sp.

Host : *Merops orientalis*; site of infection : blood.

Distribution : India : Rajasthan.

1496. *P. sp.*

Host : *Muscicapa sundra*; site of infection : blood.

Distribution : India : West Bengal.

1497. *P. sp.*

Host : *Nectarina asiatica*; site of infection : blood.

Distribution : India : Rajasthan, Maharashtra.

1498. *P. sp.*

Host : *Nectarina zeylanica*; site of infection : blood.

Distribution : India : Maharashtra.

1499. *P. sp.*

Host : *Netta rufina*; site of infection : blood.

Distribution : India : Northern India.

1500. *P. sp.*

Host : *Otus scops*; site of infection : blood.

Distribution : India : West Bengal.

1501. *P. sp.*

Host : *Parus xanthogenys*; site of infection : blood.

Distribution : India : Orissa.

1502. *P. sp.*

Host : *Passer domesticus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1503. *P. sp.*

Host : *Pitta brachyura*; site of infection : blood.

Distribution : India : Maharashtra.

1504. *P. sp.*

Host : *Ploceus philippinus*; site of infection : blood.

Distribution : India : West Bengal, Maharashtra.

1505. *P. sp.*

Host : *Prinia socialis*; site of infection : blood.

Distribution : India : Maharashtra.

1506. *P. sp.*

Host : *Prinia subflava*; site of infection : blood.

Distribution : India : Rajasthan.

1507. *P. sp.*

Host : *Pycnonotus cafer*; site of infection : blood.

Distribution : India : Maharashtra, Gujarat.

1508. *P. sp.*

Host : *Pycnonotus jocosus*; site of infection : blood.

Distribution : India : Maharashtra.

1509. *P. sp.*

Host : *Pycnonotus leucogenys*; site of infection : blood.

Distribution : India : Rajasthan, Gujarat.

1510. *P. sp.*

Host : *Rhipidura albogularis*; site of infection : blood.

Distribution : India : Maharashtra.

1511. *P. sp.*

Host : *Saxicola caprata*; site of infection : blood.

Distribution : India : Rajasthan.

1512. *P. sp.*

Host : *Saxicoloides fulicata*; site of infection : blood.

Distribution : India : Maharashtra.

1513. *P. sp.*

Host : *Sturnus contra*; site of infection : blood.

Distribution : India : West Bengal, Rajasthan.

1514. *P. sp.*

Host : *Sturnus malabaricus*; site of infection : blood.

Distribution : India : West Bengal, Tamil Nadu.

1515. *P. sp.*

Host : *Sylvia curruca*; site of infection : blood.

Distribution : India : Tamil Nadu.

1516. *P. sp.*

Host : *Tephrodornis virgatus*; site of infection : blood.

Distribution : India : Orissa.

1517. *P. sp.*

Host : *Terpsiphone paradisi*; site of infection : blood.

Distribution : India : Orissa.

1518. *P. sp.*

Host : *Tringa hypoleucos*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1519. *P. sp.*

Host : *Upupa epops*; site of infection : blood.

Distribution : India : Rajasthan.

1520. *P. sp.*

Host : *Zosterops palpebrosa*; site of infection : blood.

Distribution : India : Orissa, Jammu Kashmir.

Plasmodium of mammals1521. *P. (Vinckeia) bubalis* Sheather, 1919

Host : *Bubalus bubalis*, *Bos indicus*; site of infection : intestine.

Distribution : India : Uttar Pradesh.

1522. *P. cynomolgi* Mayer, 1907

Host : *Macaca radiata*; site of infection : intestine.

Distribution : India : Tamil Nadu, Andhra Pradesh, Kerala.

1523. *P. fragile* Dissanaiké, Nelson and Garnham, 1965

Host : *Macaca radiata*; site of infection : intestine.

Distribution : India : Tamil Nadu, Andhra Pradesh, Kerala.

1524. *P. inui* Halberstadter and von Prowazek, 1907

Host : *Macaca radiata*; site of infection : intestine.

Distribution : India : Tamil Nadu, Andhra Pradesh, Kerala.

1525. *P. mackiei* de Mello and Bras da Sa, 1916

Host : *Vespertilio muricola*; site of infection : intestine.

Distribution : India : Goa.

1526. *P. narayani* de Mello and Dias, 1936

(Syn. *Babesia narayani* (de Mello and Dias, 1936, 1936) Garnham, 1966)

Host : *Lutra lutra*; site of infection : intestine.

Distribution : India : Goa.

1527. *P. pteropi* Breinl, 1912

Host : *Pteropus edwardsii*; site of infection : intestine.

Distribution : India.

1528. *P. shortti* Bray, 1963

Host : *Macaca radiata*, *Macaca fascicularis*; site of infection : intestine.

Distribution : India : Tamil Nadu, Andhra Pradesh, Kerala, Nicobar Island.

1529. *P. tyrio* de Mello *et al.*, 1928

Host : *Manes pentadactyla*; site of infection : intestine.

Distribution : India : Goa.

D. Plasmodium of man

1530. *P. falciparum* (Welch, 1897)

Host : *Homo sapiens*; site of infection : blood.

Distribution : India : Andhra Pradesh, West Bengal, throughout India.

1531. *P. malariae* (Grassi and Feletti, 1892)

Host : *Homo sapiens*; site of infection : blood.

Distribution : India : Andhra Pradesh, West Bengal.

1532. *P. vivax* (Grassi and Feletti, 1890)

Host : *Homo sapiens*; site of infection : blood.

Distribution : India : Andhra Pradesh, Maharashtra, Delhi, West Bengal, throughout India.

Genus *Mesnilum* Misra, Haldar and Chakravarty, 1972

1533. *M. malariae* Misra, Haldar and Chakravarty, 1972

Host : *Channa punctatus*; site of infection : blood.

Distribution : India : West Bengal.

Family HAEMOPROTEIDAE

Genus *Haemoproteus* Kruse, 1890

A. Haemoproteus in fishes

1534. *H. rupicola* Mandal *et al.*, 1985

Host : *Noemacheilus rupicola*; site of infection : blood.

Distribution : India : West Bengal.

B. *Haemoproteus* in amphibians

1535. *H. ovalis* Ray and Choudhury, 1983

Host : *Rana limnocharis*; site of infection : blood.

Distribution : India : West Bengal.

C. *Haemoproteus* in reptiles

1536. *H. kopki* (de Mello, 1916)

Host : *Hemidactylus brooki*; site of infection : blood.

Distribution : India : Goa.

1537. *H. metchnikovi* (Simond, 1901)

Host : *Chitra indica*; site of infection : blood.

Distribution : India.

1538. *H. simondi* Castellani and Willey, 1904

Host : *Hemidactylus brooki*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1539. *H. trionyx* Misra and Choudhury, 1977

Host : *Trionyx gangeticus*; site of infection : blood.

Distribution : India : West Bengal.

1540. *H. sp.*

Host : *Hemidactylus sp.*; site of infection : blood.

Distribution : India.

D. *Haemoproteus* in birds

1541. *H. aegithinae* de Mello, 1935

Host : *Aegithina tiphia*; site of infection : blood.

Distribution : India : Maharashtra Goa.

1542. *H. alaudae* Celli and Sanfelice, 1891

Host : *Galerida deva*; site of infection : blood.

Distribution : India : Gujarat.

1543. *H. anthi* de Mello, 1937

Host : *Anthus rufulus*; site of infection : blood.

Distribution : India : Maharashtra Goa.

1545. *H. antigonis* De Mello, 1937

Host : *Antigone virgo*; site of infection : blood.

Distribution : India : Goa.

1545. *H. asturisdussumieri* de Mello, 1935
(Syn. *H. asturis dussumieri*, de Mello, 1935)

Host : *Accipiter badius dussumieri*; site of infection : blood.

Distribution : India : Maharashtra, Goa.

1546. *H. balmorali* Peirce, 1984

Host : *Ficedula lodgsoni*, *Mascicapa muttui*, *M. thalassina*, *Niltava tickelliae*; site of infection : blood.

Distribution : India.

1547. *H. bennetti* Greiner, Mandal and Nandi, 1977

Host : *Picus flavinucha*; site of infection : blood.

Distribution : India : West Bengal.

1548. *H. borgesii* Tendeiro, 1947

Host : *Dendrocopos mahrattensis mahrattensis*; site of infection : blood.

Distribution : India : Maharashtra, Andhra Pradesh.

1549. *H. bramae* de Mello, 1935 ?

Host : *Athene brama*; site of infection : blood.

Distribution : India : Goa.

1550. *H. celli* Coatney and Roudabush, 1937

Host : *Athene brama*, *Ninox scutulata*, *Otus bakamoena*; site of infection : blood.

Distribution : India : Rajasthan, Tamil Nadu.

1551. *H. centropi* de Mello, 1935

Host : *Centropus sinensis parroti*; site of infection : blood.

Distribution : India : Maharashtra, Goa.

1552. *H. cerchneis* Bhatia, 1938

Host : *Falco tinnunculus objurgatus*; site of infection : blood.

Distribution : India : Goa.

1553. *H. columbae* Kruse, 1890

Host : *Columba livia*; site of infection : blood.

Distribution : India : Delhi, Maharashtra, Rajasthan, Andhra Pradesh.

1554. *H. coraciae* de Mello and Afonso, 1935
(Syn. *H. coraciae benghalensis* de Mello and Afonso, 1935)

Host : *Coracias bengalensis*; site of infection : blood.

Distribution : India : Maharashtra, Andhra Pradesh.

1555. *H. cornuata* Bennett and Nandi, 1981

Host : *Megalaima asiatica*, *M. frankinii*, *M. zeylanica*; site of infection : blood.

Distribution : India : Maharashtra.

1556. *H. danilewskii* Kruse, 1890

Host : *Corvus splendens*, *Dendrocitta vagabunda*; site of infection : blood.

Distribution : India : West Bengal, Goa.

1557. *H. dicruri* de Mello, 1935

Host : *Dicrurus m. macrocerus*; site of infection : blood.

Distribution : India : Goa, Orissa, West Bengal.

1558. *H. elani* de Mello, 1935

Host : *Elanus caeruleus vociferous*; site of infection : blood.

Distribution : India : Goa.

1559. *H. fallisi* Bennett and Campbell, 1972

Host : *Copsychus saularis*; site of infection : blood.

Distribution : India : Goa, Orissa.

1560. *H. fringillae* Labbe, 1894

Host : *Copsychus saularis*; site of infection : blood.

Distribution : India : Andhra Pradesh, Goa, West Bengal

1561. *H. fusca* Bennett and Campbell, 1973

Host : *Halcyon smyrnensis*, *Halcyon smyrnensis fusca*; site of infection : blood.

Distribution : India : Maharashtra, Goa.

1562. *H. gallinulae* de Mello, 1935

Host : *Gallinula chloropus*; site of infection : blood.

Distribution : India : Goa.

1563. *H. glaucidii* de Mello, 1937

Host : *Glaucidium radiatum*; site of infection : blood.

Distribution : India : Goa.

1564. *H. gymnorhidis* de Mello, 1937

Host : *Petronia* (= *Gymnorhis*) *xanthocollis*; site of infection : blood.

Distribution : India : Goa.

1565. *H. halcyonis* de Mello, 1935

Host : *Halcyon smyrnensis*; site of infection : blood.

Distribution : India : Maharashtra.

1566. *H. handai* Maqsood, 1943

Host : *Psittacula cyanocephala*, *Psittacula krameri manillensis*, site of infection : blood.

Distribution : India : Maharashtra, West Bengal.

1567. *H. herodiadis* de Mello, 1935

Host : *Egretta intermedia*; site of infection : blood.

Distribution : India : Goa.

1568. *H. killangoi* Bennett and Peirce, 1981

Host : *Zosterops palpebrosa*; site of infection : blood.

Distribution : India.

1569. *H. lanii* de Mello, 1936

Host : *Lanius schach*; site of infection : blood.

Distribution : India : Maharashtra, Goa, Gujarat, Orissa.

1570. *H. majoris* Laveran, 1902

(Syn. *H. machlolophi* de Mello, 1935)

Host : *Parus* (= *Machlolophus*) *xanthogenys*; site of infection : blood.

Distribution : India : Goa.

1571. *H. manwelli* Bennett, 1978

Host : *Merops orientalis*; site of infection : blood.

Distribution : India : Maharashtra.

1572. *H. megapodius* Nandi and Mandal, 1980

Host : *Megapodius freycinet abboti*; site of infection : blood.

Distribution : India : Andaman and Nicobar Islands.

1573. *H. meropis* (Zargar, 1945)

Host : *Merops orientalis*; site of infection : blood.

Distribution : India : Maharashtra, Andhra Pradesh, Goa, Orissa.

1574. *H. motacillae* Bennett and Peirce, 1990

Host : *Motacilla alba*; site of infection : blood.

Distribution : India : Rajasthan.

1575. *H. nisi* Peirce and Marquiss, 1983

Host : *Accipiter niger*; site of infection : blood.

Distribution : India.

1576. *H. noctuae* Celli and Sanfelice, 1891

Host : *Athene brama*, *Bubo coromandus*, *Glaucidium radiatum*, *Otus bakamoena*; site of infection : blood.

Distribution : India : Rajasthan, Tamil Nadu, Goa, Gujarat.

1577. *H. oriolis* de Mello, 1935

Host : *Oriolus oriolus*; site of infection : blood.

Distribution : India : Goa.

1578. *H. parus* Bennett, 1989

Host : *Parus xanthogenys*; site of infection : blood.

Distribution : India.

1579. *H. orizivora* Anschutz, 1909

Host : *Copsychus saularis*, *Ploceus philippinus*, *Lonchura malabarica*, *Lonchura (Malacca) rubroniger*, *Lonchura punctuata*, *Turdoides striatus*; site of infection : blood.

Distribution : India : Andhra Pradesh, Delhi, West Bengal, Goa, Gujarat, Orissa.

1580. *H. otocompsae* de Mello, 1935

Host : *Pycnonotus jocosus*; site of infection : blood.

Distribution : India : Goa.

1581. *H. passeris* Kruse, 1890

Host : *Passer domesticus*; site of infection : blood.

Distribution : India : Andhra Pradesh, Goa, Orissa, Kashmir.

1582. *H. pastoris* de Mello, 1935

Host : *Acridotheres tristis*, *Sturnus pagodarum*, *Sturnus contra*; site of infection : blood.

Distribution : India : Andhra Pradesh, Maharashtra, West Bengal.

1583. *H. philippiensis* Rahul, Bishop and Bennett, 1987

Host : *Hypsipetes madagascariensis*; site of infection : blood.

Distribution : India : Maharashtra.

1584. *H. picae* Coatney and Roudabush, 1937

Host : *Dendrocitta formosae*, *D. vagabunda*; site of infection : blood.

Distribution : India.

1585. *H. plataleae* de Mello, 1935

Host : *Platalea leucorodia major*; site of infection : blood.

Distribution : India : Maharashtra, Goa.

1586. *H. qulea* (Marullaz, 1912)

Host : *Ploccus benghalensis*; site of infection : blood.

Distribution : India.

1587. *H. raymundi* de Mello and Raimundo, 1934

Host : *Leptocoma zeylanica*; site of infection : blood.

Distribution : India : Goa.

1588. *H. rileyi* Malkani, 1936

Host : *Pavo cristatus*; site of infection : blood.

Distribution : India.

1589. *H. sacharovi* Novy and Mac Neal, 1905

Host : *Streptopelia chinensis*; site of infection : blood.

Distribution : India : Orissa.

1590. *H. sanguinis* Chakravarty and Kar, 1945

Host : *Pycnonotus jocosus eimeria*; site of infection : blood.

Distribution : India : Goa, West Bengal.

1591. *H. sturni* de Mello, 1935

Host : *Sturnus malabaricus*; site of infection : blood.

Distribution : India : West Bengal.

1592. *H. sylvae* Bennett *et al.*, 1991

Host : *Acrocephalus dametorum*; site of infection : blood.

Distribution : India.

1593. *H. syrnii* (Mayer, 1911)

Host : *Otus scops*; site of infection : blood.

Distribution : India : West Bengal.

1594. *H. tephrodornis* de Mello, 1935

Host : *Tephrodornis p. pondiceriana*; site of infection : blood.

Distribution : India : Goa.

1595. *H. thereicerycis* de Mello, 1935

Host : *Megalaima zeylanica*, *Megalaima a. asiatica*, *Megalaima haemacephala*; site of infection : blood.

Distribution : India : Goa, Maharashtra, Andhra Pradesh, West Bengal.

1596. *H. timalus* Bennett *et al.*, 1991

Host : *Turdoides striatus*; site of infection : blood.

Distribution : India : Orissa, West Bengal, Goa.

1597. *H. tinnunculus* von Wasielewski and Wulker, 1918

Host : *Falco tinnunculus*; site of infection : blood.

Distribution : India : Maharashtra.

1598. *H. velans* Coatney and Roudabush, 1937

Host : *Dendrocopos mahrattensis mahrattensis*; site of infection : blood.

Distribution : India : Maharashtra, Andhra Pradesh.

1599. *H. upupae* de Mello, 1935

Host : *Upupa epops*; site of infection : blood.

Distribution : India : Goa.

1600. *H. velans* Coatney and Roudabush, 1937

Host : *Dendrocopos mahrattensis*, *Jynx torquilla*; site of infection : blood.

Distribution : India : Maharashtra, Orissa, Rajasthan, Jammu and Kashmir.

1601. *H. wenyoni* de Mello *et al.*, 1917

Host : *Orthotomus sutorius*; site of infection : blood.

Distribution : India : Goa.

1602. *H. xantholaemae* Zargar, 1945

Host : *Megalaima hemacephala*; site of infection : blood.

Distribution : India : Maharashtra, Goa.

1603. *H. zosteropis* Chakravarty and Kar, 1945

Host : *Zosterops palpebrosa*; site of infection : blood.

Distribution : India : Maharashtra, West Bengal.

1604. *H.* sp.

Host : *Accipiter badius*; site of infection : blood.

Distribution : India : Maharashtra,

1605. *H.* sp.

Host : *Accipiter nisus*; site of infection : blood.

Distribution : India : Jammu and Kashmir.

1606. *H.* sp.

Host : *Acridotheres fuscus*; site of infection : blood.

Distribution : India : Tamil Nadu.

1607. *H.* sp.

Host : *Acriditheres tristis*; site of infection : blood.

Distribution : India : Rajasthan, Maharashtra, Tamil Nadu

1608. *H.* sp.

Host : *Acrocephalus agricola*; site of infection : blood.

Distribution : India : Tamil Nadu.

1609. *H.* sp.

Host : *Acrocephalus arundinaceus*; site of infection : blood.

Distribution : India : West Bengal.

1610. *H.* sp.

Host : *Acrocephalus dumetorum*; site of infection : blood.

Distribution : India : Tamil Nadu.

1611. *H.* sp.

Host : *Acrocephalus stentoreus*; site of infection : blood.

Distribution : India : West Bengal, Gujarat, Rajasthan.

1612. *H.* sp.

Host : *Actinodura nipalensis*; site of infection : blood.

Distribution : India : Rajasthan.

1613. *H.* sp.

Host : *Aegithina tiphia*; site of infection : blood.

Distribution : India : Maharashtra.

1614. *H. sp.*

Host : *Alcippe poiocephala*; site of infection : blood.

Distribution : India : Orissa.

1615. *H. sp.*

Host : *Anas acuta*; site of infection : blood.

Distribution : India : Rajasthan.

1616. *H. sp.*

Host : *Anser anser*; site of infection : blood.

Distribution : India : Rajasthan.

1617. *H. sp.*

Host : *Anthus hodgsoni*; site of infection : blood.

Distribution : India : Maharashtra.

1618. *H. sp.*

Host : *Anthus novaesaelandiae*; site of infection : blood.

Distribution : India : Gujarat.

1619. *H. sp.*

Host : *Aythya ferina*; site of infection : blood.

Distribution : India : Rajasthan.

1620. *H. sp.*

Host : *Carpodacus erythrinus*; site of infection : blood.

Distribution : India : Maharashtra, Jammu and Kashmir.

1621. *H. sp.*

Host : *Centropus sinensis*; site of infection : blood.

Distribution : India : Rajasthan, Tamil Nadu, Maharashtra

1622. *H. sp.*

Host : *Clamator jacobinus*; site of infection : blood.

Distribution : India : Maharashtra, Tamil Nadu, Gujarat.

1623. *H. sp.*

Host : *Columba livia*; site of infection : blood.

Distribution : India : Rajasthan.

1624. *H. sp.*

Host : *Copsychus saularis*; site of infection : blood.

Distribution : India.

1625. *H. sp.*

Host : *Copsychus malabaricus*; site of infection : blood.

Distribution : India : Maharashtra, West Bengal.

1626. *H. sp.*

Host : *Coracias benghalensis*; site of infection : blood.

Distribution : India : Rajasthan.

1627. *H. sp.*

Host : *Corvus macrorhynchus*; site of infection : blood.

Distribution : India : Tamil Nadu, Maharashtra.

1628. *H. sp.*

Host : *Corvus splendens*; site of infection : blood.

Distribution : India : Rajasthan.

1629. *H. sp.*

Host : *Cuculus poliocephalus*; site of infection : blood.

Distribution : India : Tamil Nadu.

1530. *H. sp.*

Host : *Dendroanthus indicus*; site of infection : blood.

Distribution : India : Tamil Nadu.

1631. *H. sp.*

Host : *Dendrocitta formosae*; site of infection : blood.

Distribution : India : Orissa.

1632. *H. sp.*

Host : *Dendrocitta vagabunda*; site of infection : blood.

Distribution : India : Rajasthan, Tamil Nadu, Maharashtra.

1633. *H. sp.*

Host : *Dicaeum erythrorhynchus*; site of infection : blood.

Distribution : India : Maharashtra.

1634. *H.* sp.

Host : *Dicrurus adsimilis*; site of infection : blood.

Distribution : India : West Bengal.

1635. *H.* sp.

Host : *Dicrurus caeruleus*; site of infection : blood.

Distribution : Maharashtra, Rajasthan.

1636. *H.* sp.

Host : *Dicrurus paradiseus*; site of infection : blood.

Distribution : India : Maharashtra.

1637. *H.* sp.

Host : *Eremopterix grisea*; site of infection : blood.

Distribution : India : Gujarat.

1638. *H.* sp.

Host : *Erithacus brunneus*; site of infection : blood.

Distribution : India : Jammu and Kashmir.

1639. *H.* sp.

Host : *Erithacus svecicus*; site of infection : blood.

Distribution : India : Rajasthan, Gujarat.

1640. *H.* sp.

Host : *Estrilda amandava*; site of infection : blood.

Distribution : India.

1641. *H.* sp.

Host : *Falco tinnunculus*; site of infection : blood.

Distribution : India : Tamil Nadu.

1642. *H.* sp.

Host : *Galerida deva*; site of infection : blood.

Distribution : India : Gujarat.

1643. *H.* sp.

Host : *Gallinula chloropus*; site of infection : blood.

Distribution : India : Tamil Nadu.

1644. *H.* sp.

Host : *Galloperdix spadicea*; site of infection : blood.

Distribution : India : Maharashtra.

1645. *H.* sp.

Host : *Halcyar smyrnensis*; site of infection : blood.

Distribution : India : Maharashtra.

1646. *H.* sp.

Host : *Harpactes fasciatus malabaricus*; site of infection : blood.

Distribution : India : Goa.

1647. *H.* sp.

Host : *Hippolais caligata*; site of infection : blood.

Distribution : India : Rajasthan, Gujarat.

1648. *H.* sp.

Host : *Hypothymis azurea*; site of infection : blood.

Distribution : India : Tamil Nadu.

1649. *H.* sp.

Host : *Hypsipetes madagascariensis*; site of infection : blood.

Distribution : India : Maharashtra.

1650. *H.* sp.

Host : *Ithopyga saturata*; site of infection : blood.

Distribution : India.

1651. *H.* sp.

Host : *Lanius cristatus*; site of infection : blood.

Distribution : India : Tamil Nadu, Rajasthan.

1652. *H.* sp.

Host : *Lanius excubitor*; site of infection : blood.

Distribution : India : Gujarat.

1653. *H.* sp.

Host : *Lanius schach* ; site of infection : blood.

Distribution : India : Rajasthan, Jammu and Kashmir, Maharashtra, Gujarat.

1654. *H.* sp.

Host : *Lanius schach tricolor*; site of infection : blood.

Distribution : India : West Bengal.

1655. *H.* sp.

Host : *Lanius vittatus*; site of infection : blood.

Distribution : India : Rajasthan, Maharashtra, Tamil Nadu.

1656. *H.* sp.

Host : *Lonchura kelaarti*; site of infection : blood.

Distribution : India : Orissa, Tamil Nadu.

1657. *H.* sp.

Host : *Lonchura malabarica*; site of infection : blood.

Distribution : India : Maharashtra, Delhi, Gujarat.

1658. *H.* sp.

Host : *Lonchura Malacca*; site of infection : blood.

Distribution : India : Delhi.

1659. *H.* sp.

Host : *Lonchura punctulata*; site of infection : blood.

Distribution : India : Rajasthan, Maharashtra, Orissa, Tamil Nadu.

1660. *H.* sp.

Host : *Lonchura striata*; site of infection : blood.

Distribution : India : Orissa.

1661. *H.* sp.

Host : *Megalaima australis*; site of infection : blood.

Distribution : India : Tamil Nadu.

1662. *H.* sp.

Host : *Megalaima haemacephala*; site of infection : blood.

Distribution : India : Maharashtra.

1663. *H.* sp.

Host : *Megalaima viridis*; site of infection : blood.

Distribution : India : Maharashtra.

1664. *H.* sp.

***Host* : *Megalaima zeylanica*; site of infection : blood.**

***Distribution* : India : Orissa, Tamil Nadu, Maharashtra.**

1665. *H.* sp.

***Host* : *Melophus lathami*; site of infection : blood.**

***Distribution* : India : Maharashtra.**

1666. *H.* sp.

***Host* : *Merops orientalis*; site of infection : blood.**

***Distribution* : India : Maharashtra, Rajasthan, Tamil Nadu, Gujarat.**

1667. *H.* sp.

***Host* : *Monticola cinclorhynchus*; site of infection : blood.**

***Distribution* : India : Maharashtra, Orissa, Jammu and Kashmir.**

1668. *H.* sp.

***Host* : *Motacilla alba*; site of infection : blood.**

***Distribution* : India : Rajasthan, Gujarat.**

1669. *H.* sp.

***Host* : *Motacilla cinerea*; site of infection : blood.**

***Distribution* : India : Maharashtra, Tamil Nadu, Jammu and Kashmir.**

1670. *H.* sp.

***Host* : *Musicapa latirostris*; site of infection : blood.**

***Distribution* : India : Tamil Nadu.**

1671. *H.* sp.

***Host* : *Musicapa muttui*; site of infection : blood.**

***Distribution* : India : Orissa.**

1672. *H.* sp.

***Host* : *Musicapa parva*; site of infection : blood.**

***Distribution* : India : West Bengal, Rajasthan.**

1673. *H.* sp.

***Host* : *Musicapa sibirica*; site of infection : blood.**

***Distribution* : India : Tamil Nadu.**

1674. *H.* sp.

Host : *Musicapa tickelliae*; site of infection : blood.

Distribution : India : Orissa, Maharashtra.

1675. *H.* sp.

Host : *Nectarinia asiatica*; site of infection : blood.

Distribution : India : Maharashtra, Gujarat.

1676. *H.* sp.

Host : *Nectarinia lotenia*; site of infection : blood.

Distribution : India : Maharashtra.

1677. *H.* sp.

Host : *Nectarinia minima*; site of infection : blood.

Distribution : India : Maharashtra.

1678. *H.* sp.

Host : *Nectarinia zeylanica*; site of infection : blood.

Distribution : India : Maharashtra, Tamil Nadu.

1679. *H.* sp.

Host : *Netta rufina*; site of infection : blood.

Distribution : India.

1680. *H.* sp.

Host : *Nettapus coromandelianus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1681. *H.* sp.

Host : *Orthotomus sutorius*; site of infection : blood.

Distribution : India : Maharashtra, Gujarat.

1682. *H.* sp.

Host : *Passer domesticus*; site of infection : blood.

Distribution : India : Maharashtra, Jammu and Kashmir, Gujarat.

1683. *H.* sp.

Host : *Passer hispaniolensis*; site of infection : blood.

Distribution : India : Rajasthan.

1684. *H.* sp.

***Host* : *Passer rutilans*; site of infection : blood.**

***Distribution* : India : Rajasthan.**

1685. *H.* sp.

***Host* : *Pericrocotus brevirostris*; site of infection : blood.**

***Distribution* : India : Jammu and Kashmir.**

1686. *H.* sp.

***Host* : *Petronia xanthocollis*; site of infection : blood.**

***Distribution* : India : Rajasthan, Maharashtra, Gujarat.**

1687. *H.* sp.

***Host* : *Phragmaticola aedon*; site of infection : blood.**

***Distribution* : India : Tamil Nadu, Orissa.**

1688. *H.* sp.

***Host* : *Phylloscopus collybita*; site of infection : blood.**

***Distribution* : India : Rajasthan.**

1689. *H.* sp.

***Host* : *Phylloscopus inornatus*; site of infection : blood.**

***Distribution* : India : Orissa.**

1690. *H.* sp.

***Host* : *Phylloscopus occipitalis*; site of infection : blood.**

***Distribution* : India : Jammu and Kashmir.**

1691. *H.* sp.

***Host* : *Phylloscopus trochiloides*; site of infection : blood.**

***Distribution* : India : Orissa.**

1692. *H.* sp.

***Host* : *Ploceus manyar*; site of infection : blood.**

***Distribution* : India : West Bengal.**

1693. *H.* sp.

***Host* : *Ploceus philippinus*; site of infection : blood.**

***Distribution* : India : Maharashtra, Rajasthan, Gujarat, Orissa.**

1694. *H.* sp.

Host : *Prinia gracilis*; site of infection : blood.

Distribution : India : Maharashtra, Orissa.

1695. *H.* sp.

Host : *Prinia hodgsoni*; site of infection : blood.

Distribution : India : Maharashtra.

1696. *H.* sp.

Host : *Prinia socialis*; site of infection : blood.

Distribution : India : Maharashtra.

1697. *H.* sp.

Host : *Prinia subflava*; site of infection : blood.

Distribution : India : Rajasthan, Maharashtra.

1698. *H.* sp.

Host : *Prinia sylvatica*; site of infection : blood.

Distribution : India : Maharashtra.

1699. *H.* sp.

Host : *Pycnonotus cafer*; site of infection : blood.

Distribution : India : Maharashtra, Rajasthan, Gujarat, Tamil Nadu.

1700. *H.* sp.

Host : *Pycnonotus jocosus*; site of infection : blood.

Distribution : India : Tamil Nadu, Maharashtra.

1701. *H.* sp.

Host : *Pycnonotus leucogenys*; site of infection : blood.

Distribution : India : Gujarat, Jammu and Kashmir.

1702. *H.* sp.

Host : *Pycnonotus luteolus*; site of infection : blood.

Distribution : India : Tamil Nadu, Jammu and Kashmir, Maharashtra.

1703. *H.* sp.

Host : *Rhipidura albogularis*; site of infection : blood.

Distribution : India : Maharashtra.

1704. *H.* sp.

Host : *Saxicola caprata*; site of infection : blood.

Distribution : India : Gujarat.

1705. *H.* sp.

Host : *Saxicoloides fulicata*; site of infection : blood.

Distribution : India : Maharashtra, Orissa.

1706. *H.* sp.

Host : *Sitta castanea*; site of infection : blood.

Distribution : India : Orissa.

1707. *H.* sp.

Host : *Sitta frontalis*; site of infection : blood.

Distribution : India : Orissa.

1708. *H.* sp.

Host : *Spizaetus cirrhatus cirrhatus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1709. *H.* sp.

Host : *Streptopelia decaocto*; site of infection : blood.

Distribution : India : Rajasthan, Gujarat, Maharashtra.

1710. *H.* sp.

Host : *Streptopelia orientalis*; site of infection : blood.

Distribution : India : Maharashtra.

1711. *H.* sp.

Host : *Streptopelia senegalensis*; site of infection : blood.

Distribution : India : Maharashtra.

1712. *H.* sp.

Host : *Sturnus contra*; site of infection : blood.

Distribution : India : Rajasthan, West Bengal.

1713. *H.* sp.

Host : *Sturnus malabaricus*; site of infection : blood.

Distribution : India : Tamil Nadu.

1714. *H. sp.*

Host : *Sturnus pagodarum*; site of infection : blood.

Distribution : India : Rajasthan, Tamil Nadu, Maharashtra, Gujarat.

1715. *H. sp.*

Host : *Sturnus roseus*; site of infection : blood.

Distribution : India : Rajasthan, Tamil Nadu, Gujarat.

1716. *H. sp.*

Host : *Sturnus vulgaris*; site of infection : blood.

Distribution : India : Rajasthan, Jammu and Kashmir.

1717. *H. sp.*

Host : *Sylvia curruca*; site of infection : blood.

Distribution : India : Rajasthan, Jammu and Kashmir, Tamil Nadu.

1718. *H. sp.*

Host : *Sylvia hottensis*; site of infection : blood.

Distribution : India : Gujarat.

1719. *H. sp.*

Host : *Tephrodornis pondiceriana*; site of infection : blood.

Distribution : India : Rajasthan, Gujarat, Tamil Nadu, Maharashtra.

1720. *H. sp.*

Host : *Terpsiphone paradise*; site of infection : blood.

Distribution : India : Tamil Nadu.

1721. *H. sp.*

Host : *Treron bicincta*; site of infection : blood.

Distribution : India : Tamil Nadu.

1722. *H. sp.*

Host : *Turdoides caudata*; site of infection : blood.

Distribution : India : Gujarat, Rajasthan.

1723. *H. sp.*

Host : *Turdoides malcolmi*; site of infection : blood.

Distribution : India : Rajasthan.

1724. *H. sp.*

Host : *Turdoides striatus*; site of infection : blood.

Distribution : India : Rajasthan, Maharashtra, Tamil Nadu.

1725. *H. sp.*

Host : *Turdus merula*; site of infection : blood.

Distribution : India : Maharashtra.

1726. *H. sp.*

Host : *Turdus ruficollis*; site of infection : blood.

Distribution : India : Rajasthan.

1727. *H. sp.*

Host : *Vanellus indicus*; site of infection : blood.

Distribution : India : Rajasthan.

1728. *H. sp.*

Host : *Zoothera citrina*; site of infection : blood.

Distribution : India : Tamil Nadu.

1729. *H. sp.*

Host : *Zosterops palpebrosa*; site of infection : blood.

Distribution : India : Rajasthan, Maharashtra, Tamil Nadu, Orissa, Jammu and Kashmir.

Family LEUCOCYTOZOÏDAE

Genus *Leucocytozoon* Sambon. 1908

1730. *L. ardeolae* de Mello, 1937

Host : *Ardeola grayi*; site of infection : blood.

Distribution : India : Goa.

1731. *L. brimonti* Mathis and Leger, 1910

Host : *Pycnonotus cafer*; site of infection : blood.

Distribution : India : Goa.

1732. *L. capitonis* Benneth *et al.*, 1993

Host : *Megalaima viridis*; site of infection : blood.

Distribution : India : Maharashtra.

1733. *L. (Akiba) caulleryi* Mathis and Leger, 1909

Host : *Gallus domesticus*; site of infection : blood.

Distribution : India : Orissa, Madhya Pradesh.

1734. *L. chloropsidis* de Mello, 1937

Host : *Chloropsis aurifrons davidsoni* ; site of infection : blood.

Distribution : India : Goa.

1735. *L. coraciae* de Mello and Alfonso, 1935

Host : *Coracias benghalensis*; site of infection : blood.

Distribution : India : Goa.

1736. *L. dubreuli* Mathis and Leger, 1911

Host : *Pycnonotus leucogenys humii*; site of infection : blood.

Distribution : India : Jammu and Kashmir.

1737. *L. enriquesi* de Mello, 1936

Host : *Chloropsis jerdoni*; site of infection : blood.

Distribution : India : Goa.

1738. *L. eurystomi* Kerandel, 1913

(Syn. *L. melloi*)

Host : *Coracias benghalensis*; site of infection : blood.

Distribution : India : Goa.

1739. *L. fringillinarum* Woodcock, 1910

Host : *Carpodacus erythrinus*; site of infection : blood.

Distribution : India : Jammua and Kashmir.

1740. *L. majoris* Laveran, 1902

Host : *Pycnonotus leucogenys humii*; site of infection : blood.

Distribution : India : Jammu and Kashmir.

1741. *L. molpastis* de Mello, 1936

Host : *Pycnonotus cafer cafer*; site of infection : blood.

Distribution : India : Goa.

1742. *L. nyctyornis* Nandi, 1986

Host : *Nyctyornis athertoni*; site of infection : blood.

Distribution : India : Assam.

1743. *L. sabrazesi* Mathis and Leger, 1910

Host : *Gallus domesticus*; site of infection : blood.

Distribution : India : Orissa, Madhya Pradesh, West Bengal.

1744. *L. sakharoffi* Sambon, 1908

Host : *Dendrocitta vagabunda*; site of infection : blood.

Distribution : India : Goa.

1745. *L. squamatus* Nandi, 1986

Host : *Picus s. squamatus*; site of infection : blood

Distribution : India : Jammu and Kashmir.

1746. *L. toddi* Sambon, 1908

Host : *Elanus caeruleus vociferous*, *Spizaetus cirrhatus cirrhatus*; site of infection : blood.

Distribution : India : Andhra Pradesh, Goa.

1747. *L. ziemanni* (Laveran, 1902)
(Syn. *L. danilewskyi* (Ziemann, 1898))

Host : *Athene brama*; site of infection : blood.

Distribution : India : Andhra Pradesh

1748 *L. sp.*

Host : *Accipiter badius*; site of infection : blood.

Distribution : India : Maharashtra, Rajasthan.

1749. *L. sp.*

Host : *Accipiter nisus*; site of infection : blood.

Distribution : India : Rajasthan.

1750. *L. sp.*

Host : *Accipiter virgatus*; site of infection : blood.

Distribution : India : Rajasthan.

1751. *L. sp.*

Host : *Acrocephalus agricola*; site of infection : blood.

Distribution : India : Tamil Nadu.

1752. *L. sp.*

Host : *Acrocephalus dumetorum*; site of infection : blood.

Distribution : India : Rajasthan.

1753. *L. sp.*

Host : *Acrocephalus stentoreus*; site of infection : blood.

Distribution : India : Gujarat.

1754. *L. sp.*

Host : *Actinodura nipalensis*; site of infection : blood.

Distribution : India : Rajasthan.

1755. *L. sp.*

Host : *Aegithina nigrotarsa*; site of infection : blood.

Distribution : India.

1756. *L. sp.*

Host : *Aegithina tiphia*; site of infection : blood.

Distribution : India : Maharashtra.

1757. *L. sp.*

Host : *Anas acuta*; site of infection : blood.

Distribution : India : Rajasthan.

1758. *L. sp.*

Host : *Anas crecca*; site of infection : blood.

Distribution : India : Rajasthan.

1759. *L. sp.*

Host : *Anas penelope*; site of infection : blood.

Distribution : India : Rajasthan.

1760. *L. sp.*

Host : *Anas querquedula*; site of infection : blood.

Distribution : India : Rajasthan.

1761. *L. sp.*

Host : *Arachnophthera longirostris*; site of infection : blood.

Distribution : India : Orissa.

1762. *L. sp.*

Host : *Ardea cinerea*; site of infection : blood.

Distribution : India : Rajasthan.

1763. *L. sp.*

Host : *Athene brama*; site of infection : blood.

Distribution : India.

1764. *L.* sp.

***Host* : *Aythya fuligula*; site of infection : blood.**

***Distribution* : India : Rajasthan.**

1765. *L.* sp.

***Host* : *Carpodacus erythrinus*; site of infection : blood.**

***Distribution* : India : Jammu and Kashmir.**

1766. *L.* sp.

***Host* : *Centropus sinensis*; site of infection : blood.**

***Distribution* : India : Maharashtra.**

1767. *L.* sp.

***Host* : *Chrysoma sinense*; site of infection : blood.**

***Distribution* : India : Orissa, Maharashtra.**

1768. *L.* sp.

***Host* : *Clamator jacobinus*; site of infection : blood.**

***Distribution* : India : Maharashtra, Gujarat.**

1769. *L.* sp.

***Host* : *Coccothraustes icteroides*; site of infection : blood.**

***Distribution* : India : Jammu and Kashmir.**

1770. *L.* sp.

***Host* : *Coracias benghalensis*; site of infection : blood.**

***Distribution* : India : Rajasthan.**

1771. *L.* sp.

***Host* : *Coturnix coromandelica*; site of infection : blood.**

***Distribution* : India : Gujarat.**

1772. *L.* sp.

***Host* : *Dendrocitta formosae*; site of infection : blood.**

***Distribution* : India.**

1773. *L.* sp.

***Host* : *Dumetia hyperythra*; site of infection : blood.**

***Distribution* : India : Orissa.**

1774. *L.* sp.

Host : *Emberiza cia*; site of infection : blood.

Distribution : India : Jammu and Kashmir.

1775. *L.* sp.

Host : *Falco* sp. ; site of infection : blood.

Distribution : India.

1776. *L.* sp.

Host : *Francolinus pictus*; site of infection : blood.

Distribution : India : Maharashtra.

1777. *L.* sp.

Host : *Francolinus pondicerianus*; site of infection : blood.

Distribution : India : Maharashtra, Rajasthan.

1778. *L.* sp.

Host : *Francolinus* sp. ; site of infection : blood.

Distribution : India.

1779. *L.* sp.

Host : *Garrulux variegatus*; site of infection : blood.

Distribution : India : Jammu and Kashmir.

1780. *L.* sp.

Host : *Hemipus picatus*; site of infection : blood.

Distribution : India : Orissa.

1781. *L.* sp.

Host : *Heterophasia capistrata*; site of infection : blood.

Distribution : India.

1782. *L.* sp.

Host : *Hypsites madagascarinensis*; site of infection : blood.

Distribution : India : Jammu and Kashmir.

1783. *L.* sp.

Host : *Leithrix lutea*; site of infection : blood.

Distribution : India.

1784. *L.* sp.

***Host* : *Megalaima australis*; site of infection : blood.**

***Distribution* : India : Tamil Nadu.**

1785. *L.* sp.

***Host* : *Megalaima viridis*; site of infection : blood.**

***Distribution* : India : Maharashtra.**

1786. *L.* sp.

***Host* : *Melophus lathami*; site of infection : blood.**

***Distribution* : India : Maharashtra.**

1787. *L.* sp.

***Host* : *Monticola cinclorhynchus*; site of infection : blood.**

***Distribution* : India : Maharashtra, Orissa.**

1788. *L.* sp.

***Host* : *Muscicapa superciliaris*; site of infection : blood.**

***Distribution* : India : Jammu and Kashmir.**

1789. *L.* sp.

***Host* : *Muscicapa tickelliae*; site of infection : blood.**

***Distribution* : India : Maharashtra.**

1790. *L.* sp.

***Host* : *Mycerobas affinis*; site of infection : blood.**

***Distribution* : India.**

1791. *L.* sp.

***Host* : *Oriolus oriolus*; site of infection : blood.**

***Distribution* : India : Jammu and Kashmir.**

1792. *L.* sp.

***Host* : *Oriolus oriolus kundoo*; site of infection : blood.**

***Distribution* : India.**

1793. *L.* sp.

***Host* : *Oriolus x. xanthornus*; site of infection : blood.**

***Distribution* : India.**

1794. *L. sp.*

Host : *Otus bakkamoena*; site of infection : blood.

Distribution : India : Grjarat.

1795. *L. sp.*

Host : *Parus major*; site of infection : blood.

Distribution : India : Jammu and Kashmir, Maharashtra.

1796. *L. sp.*

Host : *Parus monticolus*; site of infection : blood.

Distribution : India : Jammu and Kashmir.

1797. *L. sp.*

Host : *Parus xanthoxenys*; site of infection : blood.

Distribution : India : Orissa.

1798. *L. sp.*

Host : *Perdicola argoondah*; site of infection : blood.

Distribution : India : Maharashtra.

1799. *L. sp.*

Host : *Phoenicurus caeruleocephalus*; site of infection : blood.

Distribution : India : Jammu and Kashmir.

1800. *L. sp.*

Host : *Picus chlorolophus*; site of infection : blood.

Distribution : India : Maharashtra.

1801. *L. sp.*

Host : *Pitta brachyura*; site of infection : blood.

Distribution : India : Tamil Nadu.

1802. *L. sp.*

Host : *Pycnonotus cafer*; site of infection : blood.

Distribution : India : Maharashtra.

1803. *L. sp.*

Host : *Pycnonotus jocosus*. site of infection : blood.

Distribution : India : Maharashtra.

1804. *L.* sp.

Host : *Pyrrhula aurantiaca*; site of infection : blood.

Distribution : India : Jammu Kashmir.

1805. *L.* sp.

Host : *Saxicola caprata*; site of infection : blood.

Distribution : India.

1806. *L.* sp.

Host : *Saxicola torquata*; site of infection : blood.

Distribution : India : Rajasthan.

1807. *L.* sp.

Host : *Sphenocercus sphenura*; site of infection : blood.

Distribution : India.

1808. *L.* sp.

Host : *Streptipelia decaocto*; site of infection : blood.

Distribution : India : Maharashtra.

1809. *L.* sp.

Host : *Streptopelia orinentalis*; site of infection : blood.

Distribution : India : Maharashtra.

1810. *L.* sp.

Host : *Streptopelia senegalensis*; site of infection : blood.

Distribution : India : Maharashtra.

1811. *L.* sp.

Host : *Tarsiger cyanurus*; site of infection : blood.

Distribution : India : Jammu and Kashmir.

1812. *L.* sp.

Host : *Tephrodornis pondiceriana*; site of infection : blood.

Distribution : India : Gujarat, Orissa, Maharashtra.

1813. *L.* sp.

Host : *Tockus griseus*; site of infection : blood.

Distribution : India : Goa.

1814. *L. sp.*

Host : *Turdoides caudata*; site of infection : blood.

Distribution : India : Rajasthan.

1815. *L. sp.*

Host : *Turdoides malcolmi*; site of infection : blood.

Distribution : India.

1816. *L. sp.*

Host : *Turdoides striata*; site of infection : blood.

Distribution : India : Maharashtra, Tamil Nadu.

1817. *L. sp.*

Host : *Turdus merula*; site of infection : blood.

Distribution : India : Maharashtra.

1818. *L. sp.*

Host : *Turdus ruficollis*; site of infection : blood.

Distribution : India : Rajasthan., Jammu and Kashmir.

1819. *L. sp.*

Host : *Turdus unicolor*; site of infection : blood.

Distribution : India : Rajasthan, Jammu and Kashmir.

1820. *L. sp.*

Host : *Upupa epops*; site of infection : blood.

Distribution : India : Gujarat.

1821. *L. sp.*

Host : *Vanellus indicus*; site of infection : blood.

Distribution : India : Rajasthan.

1822. *L. sp.*

Host : *Zoothera citrina*; site of infection : blood.

Distribution : India : Tamil Nadu, Maharashtra, Orissa.

Genus *Hepatocystis* Levaditi and Schoen, 1932

1823. *H. rayiwui* Dasgupta, Chatterjee and Ray, 1970

Host : *Petaurista magnificus*; site of infection : blood, lung and spleen.

Distribution : India : West Bengal.

1824. *H. sp.*

Host : *Petaurista elegans caniceps*; site of infection : blood, lung and spleen.

Distribution : India : West Bengal

Genus *Rayella* Dasgupta, 1967

1825. *R. gigantea* Pal and Dasgupta, 1984

Host : *Petaurista elegans caniceps*; site of infection : blood.

Distribution : India : West Bengal.

1826. *R. hylopetei* Das Gupta *et al.*, 1971

Host : *Hylopetes alboniger*; site of infection : blood.

Distribution : India : West Bengal.

1827. *R. rayi* Das Gupta, 1967

Host : *Petaurista inornatus*, *Petaurista magnificus*; site of infection : blood.

Distribution : India : West Bengal.

Genus *Polychromophilus* Dionisi, 1899

1828. *P. sp.*

Host : *Rhinolophus rouxi rouxi*; site of infection : blood.

Distribution : India : West Bengal.

1829. *P. sp.*

Host : *Hipposiderus lankadiva*; site of infection : blood.

Distribution : India : West Bengal.

Subclass PIROPLASMIA

Order PIROPLASMIDA

Family BABESIIDAE

Genus *Babesia* Starcovici, 1893

(= *Piroplasma* in portion)

1830. *B. bandicootia* Manwell and Kuntz, 1964

Host : *Bandicota indica nemorivaga*; site of infection : blood.

Distribution : India.

1831. *B. bengalensis* Bandyopadhyay and Ray, 1985

Host : *Herpestes edwardsi*; site of infection : blood.

Distribution : India : West Bengal.

1832. *B. bigemina* (Smith and Kilborne, 1893)

Host : *Bos indicus*; site of infection : blood.

Distribution : India : Uttar Pradesh, Tamil Nadu, West Bengal, Maharashtra.

1833. *B. bovis* (Babes, 1888)

(Syn. *B. argentina* Lignieres, 1903; *Piroplasma bovis* Babes, 1888)

Host : *Bubalus bubalis*; site of infection : blood.

Distribution : India : Andhra Pradesh, Tamil Nadu, Maharashtra, cosmopolitan.

1834. *B. caballi* (Nuttall and Strickland, 1910)

Host : *Equus caballus*; site of infection : blood.

Distribution : India : Tamil Nadu.

1835. *B. canis* (Piana and Galli-Valerio, 1895)

Host : *Canis familiaris*, *Canis aureus*; site of infection : blood.

Distribution : India : Tamil Nadu, Punjab, Goa, Delhi, Haryana.

1836. *B. cati* Mudaliar *et al.*, 1950

Host : *Felis cati*; site of infection : blood.

Distribution : India : Tamil Nadu.

1837. *B. civette* (Leger, 1920)

Host : *Panthera pardus fusca*; site of infection : blood.

Distribution : India : Tamil Nadu.

1838. *B. equi* (Laveran, 1901)

Host : *Equus caballus*; site of infection : blood.

Distribution : India : Punjab, Uttar Pradesh, Tamil Nadu.

1839. *B. felis* Davis, 1929

Host : *Felis domesticus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

1840. *B. foliata* Ray and Raghavachari, 1941

Host : *Ovis aries*; site of infection : blood.

Distribution : India.

1841. *B. gibsoni* (Patton, 1910)

Host : *Canis aureus*, *Canis familiaris*; site of infection : blood.

Distribution : India : Tamil Nadu and West Bengal.

1842. *B. heischii* Grewal 1957

(Syn. *Babesia* (*Babesiella*) *heischii* Grewal, 1957)

Host : *Helogale undulatae rufula*; site of infection : blood.

Distribution : India : Punjab.

1843. *B. hoareii* Grewal, 1957

Host : *Helogale undulata rufula*; site of infection : blood.

Distribution : India : Punjab.

1844. *B. motasi* Wenyon, 1926

Host : *Ovis* sp. ; site of infection : blood.

Distribution : India : Karnataka, West Bengal.

1845. *B. muris* (Fantham, 1905)

Host : *Rattus rattus arboreus*; site of infection : blood.

Distribution : India : West Bengal.

1846. *B. ninensis* (Yakimoff, 1909)

(Syn. *Nuttallia ninense* Sinton, 1922)

Host : *Erinaceus* sp.; site of infection : blood.

Distribution : India : NWFP (Northwest Frontier Province).

1847. *B. passeritae* (de Mello and da Fonseca, 1938)

(Syn. *Plasmodium passertae* de Mello and da Fonseca, 1938)

Host : *Passerita mycterizans*; site of infection : blood.

Distribution : India : Goa.

1848. *B. pitheci* (Ross, 1905)

(Syn. *Piroplasma pitheci* Ross, 1905)

Host : *Scercopithecus* spp.; site of infection : blood.

Distribution : India.

1849. *B. sergenti* Wenyon, 1926

Host : *Capra hircus*; site of infection : blood.

Distribution : India : Uttar Pradesh.

1850. *B. soricis* (Christophers, 1908) Bhatia, 1938

Host : *Crocidura caerulea*; site of infection : blood.

Distribution : India : Tamil Nadu.

1851. *B. tropicus* (Lingard and Jennings, 1904)

Host : Elephants, camels, Guineapigs, fowls, lizards; site of infection : blood.

Distribution : India : Uttar Pradesh.

1852. *B. vesperugina* (Dionisi, 1899)

Host : *Scotophilus k. kohli*; site of infection : blood.

Distribution : India : West Bengal.

1853. *B. sp.*

Host : *Sturnus pagodarum*; site of infection : blood.

Distribution : India : Tamil Nadu.

1854. *B. sp.*

Host : *Manis* sp. ; site of infection : blood.

Distribution : India : Andhra Pradesh.

1855. *B. sp.*

Host : *Gerbillus indicus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1856. *B. sp.*

Host : Cow, *Bos indicus*; site of infection : blood.

Distribution : India : Andhra Pradesh

1857. *B. sp.*

Host : Buffalo, *Bubalus bubalis* ; site of infection : blood.

Distribution : India : Andhra Pradesh.

1858. *B. sp.*

Host : Sheep, *Ovis aires*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1859. *B. sp.*

Host : Dog, *Canis familiaris*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1860. *B. sp.*

Host : Puma; site of infection : blood.

Distribution : India : Andhra Pradesh.

1861. *B.* sp.

Host : Elephant; site of infection : blood.

Distribution : India : Uttar Pradesh.

1862. *B.* sp.

Host : American bison; site of infection : blood.

Distribution : India : Delhi.

1863. *B.* sp.

Host : Lion / *Panthera leo*; site of infection : blood.

Distribution : India : Delhi, Uttar Pradesh.

1864. *B.* sp.

Host : *Bos frontalis*; site of infection : blood.

Distribution : India : Orissa.

1865. *B.* sp.

Host : White tiger; site of infection : blood.

Distribution : India : Delhi.

1866. *B.* sp.

Host : *Axis axis*; site of infection : blood.

Distribution : India.

1867. *B.* sp.

Host : *Cyon dukhunensis*; site of infection : blood.

Distribution : India.

Genus *Aegyptianella* Carpano, 1928

1868. *A. pullorum* Carpano, 1928

Host : *Gallus domesticas*; site of infection : blood.

Distribution : India.

Family THEILERIIDAE

Genus *Theileria* Bettencocurt, Franca and Burgess, 1907

1869. *T. annulata* Dschunkovsky and Luhs, 1904

Host : *Bos indicus*; site of infection : blood.

Distribution : India : Maharashtra, Orissa.

1870. *T. hirci* Dschunkovsky and Urodshevich, 1924

Host : *Capra hircus*; site of infection : blood.

Distribution : India : Andhra Pradesh, Uttar Pradesh, Maharashtra, Punjab.

1871. *T. mutans* (Theiler, 1906)

Host : *Bos indicus*; site of infection : blood.

Distribution : India : Punjab, Uttar Pradesh, Karnataka, Maharashtra, West Bengal.

1872. *T. ovis* Rodhain, 1916

Host : Sheep, goat; site of infection : blood.

Distribution : India : Maharashtra.

1873. *T. orientalis* (Yakimov and Sudacherkov, 1931)

Host : Bovine species; site of infection : blood.

Distribution : India : Maharashtra.

1874. *T. parva* (Theiler, 1904)

(Syn. *Piroplasma parvum* Theiler, 1904)

Host : *Bos taurus*; site of infection : blood.

Distribution : India : West Bengal.

1875. *T. sp.*

Host : Cow (*Bos indicus*) ; site of infection : blood

Distribution : India : Andhra Pradesh, Uttar Pradesh.

1876. *T. sp.*

Host : *Bos frontalis*; site of infection : blood.

Distribution : India : West Bengal.

1877. *T. sp.*

Host : *Bos gaurus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1878. *T. sp.*

Host : *Capra hircus*; site of infection : blood.

Distribution : India : Maharashtra.

1879. *T. sp.*

Host : Sheep, *Ovis aires*; site of infection : blood.

Distribution : India : Maharashtra, Andhra Pradesh.

1880. *T. sp.*

Host : *Axis axis*; site of infection : blood.

Distribution : India.

1881. *T. sp.*

Host : *Bubalus bubalis*; site of infection : blood.

Distribution : India : Maharashtra.

Family HAEMOHORMIDIIDAE

Genus *Haemohormidium* H. Henry, 1910

1882. *H. batrachi* (Chaudhuri and Choudhury, 1983)

(Syn. *Babesiosoma batrachi* Chaudhuri and Choudhury, 1983)

Host : *Clarias batrachus*; site of infection : blood.

Distribution : India : West Bengal.

1883. *H. hareni* (Haldar, Misra and Chakravarty, 1971)

(Syn. *Babesiosoma hareni* Haldar, Misra and Chakravarty, 1971)

Host : *Ophicephalus punctatus*; site of infection : blood.

Distribution : India : West Bengal.

1884. *H. ophicephali* (Misra, Haldar and Chakravarty, 1969)

(Syn. *Babesiosoma ophicephali* Misra, Haldar and Chakravarty, 1969)

Host : *Ophicephalus punctatus*; site of infection : blood.

Distribution : India : West Bengal.

1885. *H. sp.*

Host : *Muraenesox sp.*; site of infection : blood.

Distribution : India : West Bengal

1886. *H. sp.*

Host : Mackerel; site of infection : blood.

Distribution : India : West Bengal.

Family DACTYLOSOMATIDAE

Genus *Dactylosoma* Labbe, 1894

1887. *D. notopteri* Narasimhamurti *et al.*, 1985

Host : *Notopterus notopterus*; site of infection : blood.

Distribution : India : Andhra Pradesh.

1888. *D. striata* Sarkar and Haldar, 1979

Host : *Ophicephalus striatus*; site of infection : blood.

Distribution : India : West Bengal.

Genus *Schellackia* Reichenow

(Syn. *Gordonella* Ray and Sarkar)

1889. *S. calotesi* (Ray and Sarkar, 1969)

(Syn. *Gordonella calotesi*)

Host : *Calotes versicolor*; site of infection : blood.

Distribution : India : West Bengal.

Incertae sedis to Order Piroplasmida

Family ANAPLASMIDAE

Genus *Anaplasma* Theiler, 1910

1890. *A. centrale* Theiler, 1911

Host : *Hylopetes alboniger*; site of infection : blood.

Distribution : India : West Bengal.

1891. *A. marginale* Theiler, 1910

Host : *Axis axis*, *Capra hircus*, *Hylopetes alboniger*, *Panthera tigris*; site of infection : blood.

Distribution : India : Uttar Pradesh, Andhra Pradesh, West Bengal.

1892. *A. ovis* Theiler, 1910

Host : Ovine hosts and Caprine hosts; site of infection : blood.

Distribution : India.

1893. *A. sp.*

Host : Cattle; site of infection : blood.

Distribution : India : Andhra Pradesh.

1894. *A. sp.*

Host : *Panthera tigris*; site of infection : blood.

Distribution : India : Delhi, Uttar Pradesh.

1895. *A. sp.*

Host : *Panthera leo*; site of infection : blood.

Distribution : India : Maharashtra.

1896. *A. sp.*

Host : Indian bats; site of infection : blood.

Distribution : India : West Bengal.

1897. *A. sp.*

Host : *Perca fluviatilis*; site of infection : blood.

Distribution : India : Goa.

1898. *A. sp.*

Host : *Rana tigrina*; site of infection : blood.

Distribution : India : Goa.

1899. *A. sp.*

Host : *Rana esculenta*; site of infection : blood.

Distribution : India : Goa.

1900. *A. sp.*

Host : *Hemidactylus brooki*; site of infection : blood.

Distribution : India : Goa.

1901. *A. sp.*

Host : *Coluber blumenbachi*; site of infection : blood.

Distribution : India : Goa.

1902. *A. sp.*

Host : *Naja naja*; site of infection : blood.

Distribution : India : Goa.

1903. *A. sp.*

Host : *Chitra indica*; site of infection : blood.

Distribution : India : Goa.

1904. *A. sp.*

Host : *Ptyas mucosus*; site of infection : blood.

Distribution : India.

1905. *A. sp.*

Host : Himalyan Flying Squirrel; site of infection : blood.

Distribution : India : West Bengal.

1906. *A. sp.*

Host : *Homo sapiens*; site of infection : blood.

Distribution : India : Goa.

Genus *Bertarellia* Carini, 1930

1907. *B. calotis* de Mello and de Meyrelles, 1937

Host : *Calotis versicolor*; site of infection : blood.

Distribution : India : Goa.

1908. *B. carini* de Meyrelles, 1938

Host : *Lissemys punctata granosa*; site of infection : blood.

Distribution : India : Goa.

1909. *B. sp.*

Host : *Lissemys punctata granosa*; site of infection : blood.

Distribution : India : Goa.

Genus *Garnhamella* Brumpt, 1911

(Syn. *Bartonella* Strong *et al.*, 1915)

1910. *G. canis* (Kikuth, 1928)

(Syn. *Bartonella canis* Ray and Idnani, 1937)

Host : *Canis familiaris*; site of infection : blood.

Distribution : India : Uttar Pradesh.

1911. *G. muris* Carini, 1915

Host : Rat; site of infection : blood.

Distribution : India : Tamil Nadu, Maharashtra.

1912. *G. sp.*

Host : *Manis pentadactyla*; site of infection :

Distribution : India : Goa.

Genus *Paraplasma* Seidelin, 1912

1913. *P. sp.*

Host : *Homo sapiens*; site of infection : blood.

Distribution : India : Goa.

Phylum MICROSPORA

Class DIHAPLOPHASEA

Order MEIODIHAPLOPHASIDA

Superfamily THELOHANOIDA

Family THELOHANIDAE

Genus *Thelohania* Henneguy, 1892

1914. *T. anomala* Sen, 1941

Host : *Anopheles ramsayi*; site of infection : adipose tissue cells of larvae.

Distribution : India : West Bengal.

1915. *T. indica* Kudo, 1929

Host : *Anopheles hyrcanus*, *Anopheles ramsayi*; site of infection : adipose tissue cells of larvae.

Distribution : India : West Bengal.

1916. *T. legeri* Hesse, 1904

Host : *Anopheles angularis*, *Anopheles barbirostris*, *Anopheles fuliginosus*, *Anopheles ramsayi*, *Anopheles rossi*, *Anopheles subpictus*, *Anopheles vagus*, *Anopheles varuna*; site of infection : adipose tissue cells of larvae.

Distribution : India : West Bengal.

1917. *T. limbata* Narsimhamurti, Nazeer Ahmed and Kalavati, 1980

Host : *Tramea limbata*; site of infection : adipose tissue.

Distribution : India : Andhra Pradesh.

1918. *T. obscura* Kudo, 1929

Host : *Anopheles varuna*; site of infection : in larva (not mentioned).

Distribution : India : West Bengal.

1919. *T. orchestii* Kalavati, 1976

Host : *Orchestia platensis* (Amphipoda : Crustacea); site of infection : muscles.

Distribution : India : Andhra Pradesh.

Genus *Toxoglugea* Leger and Hesse, 1924

1920. *T. tillargi* Kalavati and Narasimhamurti, 1977

Host : *Tholymis tillarga*; site of infection : oenocytes.

Distribution : India : Andhra Pradesh.

Family DUBOSCQIIDAE

Genus *Duboscqia* Perez, 19081921. *D. coptotermini* Kalavati and Narasimhamurti, 1976*Host* : *Coptotermes heimi* (Isoptera : Insecta); site of infection : midgut epithelium.*Distribution* : India : Andhra Pradesh.

Superfamily BURENELLOIDEA

Family BURENELLIDAE

Genus *Burenella* Jouvenaz and Hazard, 19781922. *B.* sp.*Host* : *Saurida tumbil*; site of infection : visceral peritoneum.*Distribution* : India : Andhra Pradesh.

Order DISSOCIODIHAPLOPHASEA

Superfamily NOSEMATOIDEA

Family NOSEMATIDAE

Genus *Nosema* Nageli, 18571923. *N. adiei* (Christophers, 1922)*Host* : *Cimex rotundatus*; site of infection : gut, salivary glands and ovaries.*Distribution* : India : Assam.1924. *N. bengalis* Weiser, Kalavati and Sandeep, 1981*Host* : *Nemipterus japonicus*; site of infection : gill filaments.*Distribution* : India : Andhra Pradesh.1925. *N. bombycis* Nageli, 1857.*Host* : *Bombyx mori*; site of infection : all tissues of eggs, larvae, pupae and imago.*Distribution* : India : West Bengal.1926. *N. ctenocephali* Kudo, 1924*Host* : *Ctenocephalus felis*, *Ctenocephalus canis*; site of infection : digestive tract of the larvae of dog flea.*Distribution* : India : Punjab.1927. *N. gigantea* Canning and Madhavi, 1977*Host* : *Allocreadium fasciatum* (Trematoda); site of infection : parenchyma of the adult.*Distribution* : India : Andhra Pradesh.

1928. *N. limbata* Narasimhamurti, Nazeer Ahmed and Kalavati, 1980

Host : *Tremia limbata*; site of infection : adipose tissue.

Distribution : India : Andhra Pradesh.

1929. *N. priacanthi* Sandeep and Kalavati, 1985

Host : *Priacanthus boops*; site of infection : liver.

Distribution : India : Andhra Pradesh.

1930. *N. valamugili* Kalavati and Lakshinarayana, 1982

Host : *Valamugil* sp. ; site of infection : intestine.

Distribution : India : Andhra Pradesh.

1931. *N. whitei* Weison, 1953

Host : Larva of *Tribolium castaneum*; site of infection : adipose tissue.

Distribution : India : West Bengal.

1932. *N. sp.*

Host : *Megalaspis cordyla*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh

1933. *N. sp.*

Host : *Antheraea mylitta* (Lepidoptera); site of infection : Silk glands, fat bodies, gut and malpighian tubules.

Distribution : India : Bihar.

1934. *N. sp.*

Host : *Antheraea paphia* (Lepidoptera); site of infection : adipose tissue.

Distribution : India : Orissa.

Family CAUDOSPORIDAE

Genus *Octosporea* Flu, 1911

1935. *O. porcelliolus* Kalavati and Narasimhamurti, 1976

emend. Sprague and Vavra, 1977

Host : *Porcellio laevis* (Isopoda : Crustacea); site of infection : hypodermal cells lining the body wall.

Distribution : India : Andhra Pradesh.

Family PSEUDOPLEISTOPHORIDAE

Genus *Steinhausia* Kalavati and Narasimhamurti, 19771936. *S. spraguei* Kalavati and Narasimhamurti, 1977*Host* : *Sepia elliptica*; site of infection : excretory cells in the renal appendages.*Distribution* : India : Andhra Pradesh.

Family MRAZEKIIDAE

Genus *Mrazekia* Leger and Hesse, 19161937. *M. caudata* Naidu, 1959*Host* : *Pristina longiseta longiseta*, *Nais communis*; site of infection : coelome.*Distribution* : India : Andhra Pradesh.

Class HAPLOPHASEA

Order GLUGEIDA

Family GLUGEIDAE

Genus *Glugea* Thelohan, 18921938. *G. malabaracii* Narasimhamurti, Kalavati and Sandeep, 1985*Host* : *Carangoides malabaricus*; site of infection : liver, gonads and viscera.*Distribution* : India : Andhra Pradesh.1939. *G. nemipteri* Weiser, Kalavati and Sandeep, 1981*Host* : *Nemipterus japonicus*; site of infection : Liver.*Distribution* : India : Andhra Pradesh.1940. *G. sp.**Host* : *Carangoides malabaricus*; site of infection : liver and intestine.*Distribution* : India : Andhra Pradesh.Genus *Loma* Morrison and Sprague, 19811941. *L. trichuri* Sandeep and Kalavati, 1985*Host* : *Trichiurus savala*; site of infection : gills.*Distribution* : India : Andhra Pradesh.1942. *L. sp. I**Host* : *Trichopterus sp.*; site of infection : intestine.*Distribution* : India : Andhra Pradesh.1943. *L. sp. II**Host* : Sciaenid fish; site of infection : visceral peritoneum.*Distribution* : India : Andhra Pradesh.

Family PLEISTOPHORIDAE

Genus *Pleistophora* Gurley, 1893

(Syn. *Plistophora*)

1944. *P. atretii* Narasimhamurti, Kalavati and Nazeer Ahmed, 1982

Host : *Atretium schistosum* (Ophidia : Reptilia); site of infection : visceral muscle adjacent to vertebral column.

Distribution : India : Andhra Pradesh.

1945. *P. blatellae* Narasimhamurti and Kalavati, 1977

Host : *Blatella germanica*; site of infection : epithelium of malpighian tubules.

Distribution : India : Andhra Pradesh.

1946. *P. carangoidi* Narasimhamurti and Sonabai, 1977

Host : *Carangoides malabaricus*; site of infection : body muscle.

Distribution : India : Andhra Pradesh.

1947. *P. eretesi* Kalavati and Narasimhamurti, 1976

Host : *Eretes stictus* (Coleoptera : Insecta); site of infection : epithelium of midgut.

Distribution : India : Andhra Pradesh.

1948. *P. ganapatii* Kalavati, 1976

Host : *Odontotermes horni*; site of infection : epithelium of foregut.

Distribution : India : Andhra Pradesh..

1949. *P. sauridae* Narasimhamurti and Kalavati, 1972

Host : *Saurida tumbil*; site of infection : visceral muscle.

Distribution : India : Andhra Pradesh.

1950. *P. waltirensis* Kalavati and Ganapati, 1971

Host : *Euborellia plebeja* (Dermoptera : Insecta); site of infection : epithelium of malpighian tubules.

Distribution : India : Andhra Pradesh.

1951. *P. weiseri* Kalavati, 1976

Host : *Coptotermes heimi*; site of infection : epithelium of foregut.

Distribution : India : Andhra Pradesh.

1952. *P. sp.*

Host : *Dussumeria acuta*; site of infection : liver tissue.

Distribution : India : Andhra Pradesh.

Family UNIKARYONIDAE

Genus *Unikaryon* Canning, Lai and Lie, 19741953. *U. allocreadii* Canning and Madhavi, 1977*Host* : Trematode, *Allocreadium fasciatus*; site of infection : parenchyma of the adult.*Distribution* : India : Andhra Pradesh.*Incertae sedis* to the phylum Microspora

Family GURLEYIDAE

Genus *Gurleya* Doflein, 18981954. *G. spraguei* Kalavati, 1976*Host* : *Macrotermes estharae*; site of infection : adipose tissue.*Distribution* : India : Andhra Pradesh.

Family ?

Genus *Stempellia* Leger and Hesse, 19101955. *S. odontotermi* Kalavati, 1976*Host* : *Odontotermes* sp. ; site of infection : epithelial cells of foregut.*Distribution* : India : Andhra Pradesh.Genus *Microsporidium* Sprague and Vavra, 19771956. *M. sauridae* (Narasimhamurti and Kalavati, 1972)*Host* : *Saurida tumbil*; site of infection : visceral muscle.*Distribution* : India : Andhra Pradesh.1957. *M. sitophili* Ghose, 1989*Host* : *Sitophilus oryzae*; site of infection : malpighian.*Distribution* : India : West Bengal.

Phylum ASCETOSPORA

Class HAPLOSPOREA

Order MEIDIHAPLOPHASIDA

Family COELOSPORIDAE

Genus *Coelosporidium* Mesnil and Merchoux, 18921958. *C. schmackeriae* Ganapati, Shantakumari and Narasimhamurti, 1964*Host* : *Schmackeria serricaudata*; site of infection : body cavity.*Distribution* : India : Andhra Pradesh.

1959. *C. oithonae* Narasimhamurti and Kalavati, 1976

Host : *Oithona rigida*; site of infection : body cavity.

Distribution : India : Andhra Pradesh.

Family NEPHRIDIOPHAGIDAE

Genus *Nephridiophaga* Ivanic, 1937

1960. *N. xenoboli* Ganapati and Narasimhamurti, 1960

Host : *Xenobolus carnifex*; site of infection : gut epithelium.

Distribution : India : Andhra Pradesh.

Incertae sedis

Family ?

Genus *Rhinosporidium* Minchin and Fantham, 1905

1961. *R. seeberi* (Wernicke, 1900)

(Syn. *Rhinosporidium kinealyi* Minchin and Fantham, 1905)

Host : *Homo sapiens*; site of infection : polyps in nose.

Distribution : India : Tamil Nadu.

1962. *R. equi* Zschokke, 1913

Host : *Homo sapiens*; site of infection : nasal cavities.

Distribution : India : Tamil Nadu, Orissa.

1963. *R. sp.*

Host : *Bos indicus*; site of infection : nasal cavities.

Distribution : India : Tamil Nadu.

Phylum MYXOZOA

Class MYXOSPOREA

Order BIVALVULIDA

Suborder SPAEROMYXINA

Family SPHAEROMYXIDAE

Genus *Sphaeromyxa* Thelohan, 1892

1964. *S. chacundae* Sarkar, 2004

Host : *Anadontostoma chucunda*; site of infection : gall bladder.

Distribution : India : West Bengal

1965. *S. diacanthusa* Sarkar, 2004

Host : *Protonebia diacanthus*; site of infection : gall bladder.

Distribution : India : West Bengal

1966. *S. dighae* Sarkar and Mazumder, 1983

Host : *Hilsa ilisha*; site of infection : gall bladder.

Distribution : India : West Bengal

1967. *S. ganapatii* Kalavati and Vaidehi, 1991

Host : *Therapon jarbua*; site of infection : gall bladder.

Distribution : India : Orissa.

1968. *S. hareni* Sarkar, 1984

Host : *Tachysurus platystomus*; site of infection : gall bladder.

Distribution : India : West Bengal.

1969. *S. opisthopterae* Sarkar, 1999

Host : *Opisthopterus tardoore*; site of infection : gall bladder.

Distribution : India : West Bengal.

1970. *S. pultai* Tripathi, 1952

Host : *Odontamblyopus rubicundus*; site of infection : gall bladder.

Distribution : India : West Bengal.

1971. *S. theraponi* Tripathi, 1952

Host : *Therapon jarbua*; site of infection : gall bladder.

Distribution : India : West Bengal.

Suborder VARIISPORINA

Family MYXIDIIDAE

Genus *Myxidium* Butschli, 1882

A. *Myxidium* of fishes

1972. *M. aori* Lalitha Kumari, 1969

Host : *Macrones aor*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

1973. *M. apocryptae* Bajpai and Haldar, 1982

Host : *Apocryptes bato*; site of infection : gall bladder.

Distribution : India : West Bengal.

1974. *M. attuum* Sarkar, 2004

Host : *Wallago attu*; site of infection : gall bladder.

Distribution : India : West Bengal.

1975. *M. batae* Sarkar and Ghosh, 1991

Host : *Labeo bata*; site of infection : gall bladder.

Distribution : India : West Bengal.

1976. *M. boddaerti* Choudhury and Nandi, 1973

Host : *Boleophthalmus boddaerti*; site of infection : gut.

Distribution : India : West Bengal.

1977. *M. calcariferi* Chakravarty, 1943

Host : *Lates calcarifer*; site of infection : gall bladder.

Distribution : India : West Bengal.

1978. *M. fasciatum* Sarkar, 1985

Host : *Trichogaster fasciatus*; site of infection : gall bladder.

Distribution : India : West Bengal

1979. *M. glossogobi* Chakravarty, 1939

Host : *Glossogobius giuris*; site of infection : gall bladder.

Distribution : India : West Bengal

1980. *M. heteropneustesi* Chakravarty, 1943

Host : *Heteropneustes fossilis*; site of infection : gall bladder.

Distribution : India : West Bengal

1981. *M. islampurium* Sarkar *et al.*, 1985

Host : *Channa marulius*; site of infection : gall bladder.

Distribution : India : West Bengal

1982. *M. labeonis* Lalitha Kumari, 1969

Host : *Labeo dero*, *Labeo dyocheilus*; site of infection : gall bladder.

Distribution : India : Punjab

1983. *M. lieberkuhni* Butschli, 1881

(Syn. *Myxidium mukundae* Sarkar, 1985)

Host : *Anabas testudineus*, *Boleophthalmus boddaerti*; site of infection : gall bladder.

Distribution : India : West Bengal.

1984. *M. lepidcephalichthysum* Sarkar and Ray Chaudhury, 1997

Host : *Lepidocephalichthys thermalis*; site of infection : kidney.

Distribution : India : West Bengal.

1985. *M. menodae* Sarkar, 2004

Host : *Aorichthys menoda menoda*; site of infection : gall bladder.

Distribution : India : West Bengal.

1986. *M. molnari* Yatindra and Mathur, 1988

Host : *Cirrhinus reba*; site of infection : gall bladder.

Distribution : India : Punjab.

1987. *M. mystusium* Sarkar and Ray Chaudhury, 1986

Host : *Mystus vittatus*; site of infection : gall bladder.

Distribution : India : West Bengal.

1988. *M. notopterum* Sarkar, 1996

Host : *Notopterus notopterus*; site of infection : liver.

Distribution : India : West Bengal.

1989. *M. papernae* Padma Dorothy and Kalavati, 1992

Host : *Liza macrolepis*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

1990. *M. sciaenae* Sarkar, 1986

Host : *Sciaena bleekeri*; site of infection : gall bladder.

Distribution : India : West Bengal.

1991. *M. striatusi* Sarkar, 1982

Host : *Ophicephalus striatus*; site of infection : gall bladder.

Distribution : India : West Bengal.

1992. *M. sp.*

Host : *Ophicephalus punctatus*; site of infection : gall bladder.

Distribution : India : West Bengal.

1993. *M. sp.*

Host : *Clarias batrachus*; site of infection : gall bladder.

Distribution : India : West Bengal.

1994. *M. sp.*

Host : *Heteropneustes fossilis*; site of infection : gall bladder.

Distribution : India : West Bengal.

1995. *M. sp.*

Host : *Kachuga smithi*; site of infection : gall bladder.

Distribution : India : Uttar Pradesh.

1996. *M. sp.*

Host : *Lissemys punctata granosa*; site of infection : gall bladder.

Distribution : India : Uttar Pradesh.

1997. *M. sp.*

Host : *Geomyda trijuga*; site of infection : gall bladder.

Distribution : India : Tamil Nadu.

B. *Myxidium* of amphibians

1998. *M. haldari* Sarkar, 1982

Host : *Hyla arborea*; site of infection : intestine.

Distribution : India : West Bengal.

C. *Myxidium* of reptiles

1999. *M. mackei* Bosanquet, 1910

Host : *Trionyx gangeticus*; site of infection : intestine.

Distribution : India : Maharashtra.

Genus *Zschokkella* Auerbach, 1910

A. *Zschokkella* of fishes

2000. *Z. cascasiensis* Sarkar, 1995

Host : *Sicamugil cascasia*; site of infection : gall bladder.

Distribution : India : West Bengal.

2001. *Z. channae* Sarkar, 2004

Host : *Channa punctatus*; site of infection : kidney tubules.

Distribution : India : West Bengal.

2002. *Z. cirrihinae* Sarkar, 2004

Host : *Cirrhinus reba*; site of infection : gall bladder.

Distribution : India : West Bengal.

2003. *Z. fossilae* Chakravarty, 1943

Host : *Heteropneustes fossilis*; site of infection : gall bladder.

Distribution : India : West Bengal.

2004. *Z. ganapatii* Padma Dorothy and Kalavati, 1992

Host : *Liza macrolepis*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh

2005. *Z. glossogobi* Kalavati and Vaidehi, 1991

Host : *Glossogobius giuris*; site of infection : gall bladder.

Distribution : India : Orissa.

2006. *Z. gobidiensis* Sarkar and Ghosh, 1991

Host : *Gobius giuris*; site of infection : gall bladder.

Distribution : India : West Bengal.

2007. *Z. ilishae* Chakravarty, 1943

Host : *Hilsa ilisha*; site of infection : gall bladder.

Distribution : India : West Bengal.

2008. *Z. labeonis* Lalitha Kumari, 1969

Host : *Labeo nigripinnis*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2009. *Z. ophicephali* Lalitha Kumari, 1969

Host : *Channa* (= *Ophicephalus*) *striatus*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2010. *Z. platystomusi* Sarkar, 1986

Host : *Tachysurus platystomus*; site of infection : gall bladder.

Distribution : India : West Bengal.

2011. *Z. pseudosciaena* Sarkar, 1996

Host : *Pseudosciaena coibor*; site of infection : kidney tubules and ureter.

Distribution : India : West Bengal.

2012. *Z. sp.*

Host : *Heteropneustes* (= *Saccobranchus*) *fossilis*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

B. Zschokkella of amphibians and reptiles

2013. *Z. auerbachii* (Weill)

Host : *Bufo melanostictus*, *Rana limnocharis*, *Rana tigrina*; site of infection : Intestine.

Distribution : India : West Bengal.

2014. *Z. lissemysi* Chakravarty, 1940

Host : *Lissemys punctata*; site of infection : Intestine

Distribution : India : West Bengal.

2015. *Z. prashadi* Ray, 1933

Host : *Bufo melanostictus*, *Lissemys punctata granosa*; site of infection : intestine.

Distribution : India : West Bengal, Uttar Pradesh.

Genus *Parazschokkella* Kalavati and Narasimhamurti, 1987

2016. *P. melanosticti* Kalavati and Narasimhamurti, 1987

Host : *Bufo melanostictus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Genus *Cocomyxa* Leger and Hesse, 1907

2017. *C. balaswarensis* Sarkar, 1995

Host : *Hilsa ilisha*; site of infection : gall bladder.

Distribution : India : Orissa.

Family ORTHOLINEIDAE

Genus *Ortholinea* Schulman, 1962

2018. *O. gadusiae* Sarkar, 1999

Host : *Gadusia chapra*; site of infection : urinary bladder and kidney.

Distribution : India : West Bengal.

2019. *O. indica* Sarkar, 1999

Host : *Microspinispora cuja*; site of infection : urinary bladder and kidney.

Distribution : India : West Bengal.

2020. *O. visakhapatnamensis* Padma Dorothy and Kalavati, 1993

Host : *Liza macrolepis*; site of infection : visceral peritoneum.

Distribution : India : Andhra Pradesh.

Family SINUONEIDAE

Genus *Sinuolinaa* Davis, 1917

2021. *S. andamani* Kalavati, Padma Dorothy and Paul Pandian, 2002

Host : *Porogadus miles*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh

2022. *S. indica* Sarkar, 1997

Host : *Pseudosciaena coibor*; site of infection : urinary bladder.

Distribution : India : West Bengal.

2023. *S. renalis* Sarkar, 2006

Host : *Otolithoides biauritus*; site of infection : kidney tubules.

Distribution : India : West Bengal.

Genus *Davisia* Laird, 19532024. *D. cynoglossi* Narasimhamurti, Kalavati, Anuradha and Padma Dorothy, 1990

Host : *Cynoglossus sp.*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2025. *D. filiformis* Padma Dorothy, Kalavati and Vaidehi, 1998

Host : *Thrissocles setirostris*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2026. *D. murtii* Padma Dorothy and Kalavati, 1994

Host : *Liza macrolepis*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh

2027. *D. sauridae* Narasimhamurti *et al.*, 1990

Host : *Saurida tumbil*; site of infection : gall bladder.

Distribution : India : Orissa.

Genus *Myxoproteus* Doflein, 18982028. *M. cujaeus* Sarkar, 1996

Host : *Microspinosa cuja*; site of infection : urinary bladder.

Distribution : India : West Bengal.

Genus *Paramyxoproteus* Wierzbicka, 19862029. *P. chlorophthalmusi* Kalavati, Padma Dorothy and Paul Pandian, 2002

Host : *Chlorophthalmus punctatus*; site of infection : gall bladder.

Distribution : India : Andaman and Nicobar sea.

Genus *Bipteria* Koveleva, Zubchenko and Krasin, 19832030. *B. indica* Kalavati and Anuradha, 1995

Host : *Mugil cephalus*, *Liza macrolepis*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

Genus *Neobipteria* Koveleva, Zubchenko and Krasin, 1983

2031. *N. coramandelensis* Narasimhamurti, Kalavati, Anuradha and Padma Dorothy, 1990

Host : *Nemipterus mesoprion*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

Family CERATOMYXIDAE

Genus *Leptotheca* Thelohan, 1895

2032 *L. apogoni* Narasimhamurti *et al.*, 1990

Host : *Apogon aureus*; site of infection : gills, gall bladder and intestine.

Distribution : India : Orissa

2033. *L. assymetrica* Lalitha Kumari, 1969

Host : *Osteochilus neilli*; site of infection : gills, gall bladder and intestine.

Distribution : India : Andhra Pradesh.

2034. *L. latesi* Chakravarty, 1943

Host : *Lates calcarifer*; site of infection : gall bladder.

Distribution : India : West Bengal

2035. *L. mackenzii* Kalavati and Rao, 2005

Host : *Limnectes (Limnectes) limnocharis*; site of infection : urinary bladder.

Distribution : India : West Bengal.

2036. *L. macronesi* Chakravarty, 1943

Host : *Macrones gulio*; site of infection : gall bladder.

Distribution : India : West Bengal.

2037. *L. sp.*

Host : *Carcharhinus limbatus*; site of infection : gall bladder.

Distribution : India.

Genus *Ceratomyxa* Thelohan, 1892

2038. *C. cyanoglossi* Das, Pal and Ghosh, 1988

Host : *Cynoglossus lingua*; site of infection : gall bladder.

Distribution : India : West Bengal.

2039. *C. cylindrobiconica* Sarkar, 2009

Host : *Arius sona*; site of infection : gall bladder.

Distribution : India : West Bengal.

2040. *C. daysciaenae* Sarkar and Pramanik, 1994

Host : *Daysciaena albida*; site of infection : gall bladder.

Distribution : India : West Bengal.

2041. *C. dissimilaris* Narasimhamurti, Kalavati, Anuradha and Padma Dorothy, 1990

Host : *Nemipterus mesoprion*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2042. *C. etroplusi* Rajendran and Janardanan, 1992

Host : *Etroplus maculatus*; site of infection : gall bladder.

Distribution : India : Kerala

2043. *C. gobioidesi* Chakravarty, 1939

Host : *Odontamblyopus rubicundus*; site of infection : gall bladder.

Distribution : India : West Bengal, Kerala.

2044. *C. hilsae* Chakravarty, 1939

Host : *Hilsa ilisha*; site of infection : gall bladder.

Distribution : India : West Bengal.

2045. *C. kudoi* Kalavati and Anuradha, 1993

Host : *Valamugil cunnesius*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2046. *C. macrovalvula* Sarkar, 2009

Host : *Arius sagor*; site of infection : gall bladder.

Distribution : India : West Bengal.

2047. *C. nengae* Sarkar, 2004

Host : *Tachysurus nenga*; site of infection : gall bladder.

Distribution : India : West Bengal.

2048. *C. priacanthi* Kalavati, Padma Dorothy and Paul pandian, 2002

Host : *Priacanthus hamrur*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2049. *C. sagarica* Choudhury and Nandi, 1973

Host : *Boleophthalmus boddarti*; site of infection : gall bladder.

Distribution : India : West Bengal.

2050. *C. sagarsampadae* Narasimhamurti, Kalavati,
Anuradha and Padma Dorothy, 1990

Host : *Cynoglossus* sp.; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2051. *C. scatophagi* Chakravarty, 1943

Host : *Scatophagus argus*; site of infection : gall bladder.

Distribution : India : West Bengal.

2052. *C. tenulosae* Sarkar and Pramanik, 1994

Host : *Tenulosa toli*; site of infection : gall bladder.

Distribution : India : West Bengal.

2053. *C. tatoori* Sarkar, 1986

Host : *Opisthopterus tartoor*; site of infection : gall bladder.

Distribution : India : West Bengal.

2054. *C. thrissoclesi* Padma Dorothy, Kalavati and Vaidehi, 1998

Host : *Thrissocles muystasc*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2055. *C. sp.*

Host : *Carcharhinus bleekeri*; site of infection :

Distribution : India : Maharashtra.

2056. *C. sp.*

Host : *Carcharhinus limbatus*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2057. *C. sp.*

Host : *Carcharhinus melanopterus*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2058. *C. sp.*

Host : *Carcharhinus menisorrh*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2059. *C. sp.*

Host : *Carcharhinus pleurotaenia*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2060. *C. sp.*

Host : *Cestracion blochii*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2061. *C. sp.*

Host : *Cestracion zygaena*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2062. *C. sp.*

Host : *Gobioides rubicundus*; site of infection : gall bladder.

Distribution : India : West Bengal.

2063. *C. sp.*

Host : *Hemigaleus balfouri*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2064. *C. sp.*

Host : *Hypoprion macloti*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2065. *C. sp.*

Host : *Macrones gulio*; site of infection : gall bladder.

Distribution : India : West Bengal.

2066. *C. sp.*

Host : *Pristis cuspidatus*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2067. *C. sp.*

Host : *Rhynchobatus djeddensis*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2068. *C. sp.*

Host : *Scoliodon palasorrah*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2069. *C. sp.*

Host : *Scoliodon sorrakowah*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2070. *C. sl*

Host : *Scoliodon walbeehmi*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2071. *C. sp.*

Host : *Scoliodon* sp.; site of infection : gall bladder.

Distribution : India : Maharashtra.

2072. *C. sp.*

Host : *Trichogaster fasciatus*; site of infection : gall bladder.

Distribution : India : West Bengal.

Family SPHAEROSPORIDAE

Genus *Sphaerospora* Thelohan, 1892

2073. *S. corsulae* Sarkar and Ghosh, 1991

Host : *Rhinomugil corsula*; site of infection : gall bladder.

Distribution : India : West Bengal.

2074. *S. mayi* Moser, Kent and Dennis, 1989

Host : *Mugil cephalus*; site of infection : intestinal epithelium, visceral peritoneum, gill epithelium and blood.

Distribution : India : Andhra Pradesh.

Genus *Palliatius* Schulman, Koveleva and Dubina, 1979

2075. *P. indicus* Padma Dorothy and Kalavati, 1998

Host : *Liza macrolepis*; site of infection : pancreas.

Distribution : India : Andhra Pradesh.

Genus *Myxobilatus* Davis, 1917

2076. *M. anguillaris* Mukhopadhyay and Haldar, 2003

Host : *Taenioides anguillaris*; site of infection : basal portion of gill filaments.

Distribution : India : West Bengal.

2077. *M. fossilis* Susa and Janardanan, 1994

Host : *Heteropneustes fossilis*; site of infection : urinary bladder.

Distribution : India : Kerala.

2078. *M. mastacembli* Qadri and Lalitha Kumari, 1965

Host : *Mastacembelus armatus*; site of infection : intestine.

Distribution : India : Andhra Pradesh

2079. *M. notopterus* Kalavati and Vaidehi, 1996

Host : *Notopterus notopterus*; site of infection : gall bladder.

Distribution : India : Orissa.

2080. *M. odontamblyopusi* Basu and Haldar, 2004

Host : *Odontamblyopus rubicundus*; site of infection : gill filaments.

Distribution : India : West Bengal.

2081. *M. sp.*

Host : *Clarius batrachus*; site of infection : palate.

Distribution : India : Andhra Pradesh.

Family CHLOROMYXIDAE

Genus *Chloromyxum* Mingazzini, 18902082. *C. amphipnoui* Ray, 1933

Host : *Amphipnous kuchia*, *Heteropneustes fossilis*, *Amblypharhyngodon mola*; site of infection : gall bladder.

Distribution : India : West Bengal.

2083. *C. clariasum* Sarkar, 1994

Host : *Clarias batrachus*; site of infection : gall bladder.

Distribution : India : West Bengal.

2084. *C. heteropneustesi* Rajendran and Janardanan, 2005

Host : *Heteropneustes fossilis*; site of infection : gall bladder.

Distribution : India : Kerala.

2085. *C. hoarei* Lalitha Kumari, 1969

Host : *Labeo nigripennis*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2086. *C. meglischi* Sarkar, 1982

Host : *Ophicephalus punctatus*; site of infection : gall bladder.

Distribution : India : West Bengal.

2087. *C. mitchelli* Kalavati and Narasimhamurti, 1984

Host : *Therapon jarbua*; site of infection : kidney.

Distribution : India : Andhra Pradesh.

2088. *C. mrigalae* Tripathi, 1952

Host : *Cirrhinus reba*, *Cirrhinus mrigala*; site of infection : gall bladder.

Distribution : India : West Bengal.

2089. *C. ompokii* Sarkar, 2007

Host : *Ompak naculatus*; site of infection : gall bladder.

Distribution : India : West Bengal.

2090. *C. puntii* Sarkar, 2007

Host : *Puntius ticto*; site of infection : gall bladder.

Distribution : India : West Bengal.

2091. *C. puntiusi* Rajendran and Janardanan, 2005

Host : *Puntius amphibious*; site of infection : gall bladder.

Distribution : India : Kerala.

2092. *C. tripathi* Kalavati and Narasimhamurti, 1984

Host : *Therapon jarbua*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh

2093. *C. sp.*

Host : *Xenentodon cancila*; site of infection : gall bladder.

Distribution : India : West Bengal.

2094. *C. sp.*

Host : *Carcharinus bleekeri*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2095. *C. sp.*

Host : *Carcharinus limbatus*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2096. *C. sp.*

Host : *Carcharinus melanopterus*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2097. *C. sp.*

Host : *Cestraction blachii*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2098. *C. sp.*

Host : *Cestraction zygacna*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2099. *C. sp.*

Host : *Chiloscyllium griseum*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2100. *C. sp.*

Host : *Hemigaleus balfouri*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2101. *C. sp.*

Host : *Pristis cuspidatus*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2102. *C. sp.*

Host : *Rhynchobatus djeddensis*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2103. *C. sp.*

Host : *Rhynotera javanica*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2104. *C. sp.*

Host : *Scoliodon palasorrah*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2105. *C. sp.*

Host : *Scoliodon sorrakowah*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2106. *C. sp.*

Host : *Scolisdon walbeehmi*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2107. *C. sp.*

Host : *Scoliodon sp*; site of infection : gall bladder.

Distribution : India : Maharashtra.

2108. *C. sp.*

Host : *Carcharinus pleurotaenia*; site of infection : gall bladder.

Distribution : India : Maharashtra.

Family PARVICAPSULIDAE

Genus *Parvicapsula* Schulman, 1953

2109. *P. hoffmanni* Padma Dorothy and Kalavati, 1993

Host : *Liza macrolepis*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Genus *Neoparvicapsula* Gaeskaya *et al.*, 1982

2110. *N. monoalata* Sarkar, 1999

Host : *Microspinispora cuja*; site of infection : urinary bladder.

Distribution : India : West Bengal.

Family ALATOSPORIDAE

Genus *Alatospora* Shulman *et al.* 1979

2111. *A. gulioa* Sarkar, 2008

Host : *Mystus gulio*; site of infection : gall bladder.

Distribution : India : West Bengal.

2112. *A. parsia* Sarkar, 2008

Host : *Liza parsia*; site of infection : gall bladder.

Distribution : India : West Bengal.

Family AUERBACHIDAE

Genus *Auerbachia* Meglitsch, 1968

2113. *A. chakravartyi* Narasimhamurti *et al.*, 1990

Host : *Megalaspis cordyla*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2114. *A. chorinemusi* Padma Dorothy, Kalavati and Vaidehi, 1998

Host : *Chorinemus* sp.; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2115. *A. hepatica* Sarkar, 2006

Host : *Carangoides pracustus*; site of infection : liver.

Distribution : India : West Bengal.

Family NEOTHELOHANELLIDAE

Genus *Neothelohanellus* Das and Haldar, 19862116. *N. catlae* Das and Haldar, 1986*Host* : *Catla catla*; site of infection : kidney.*Distribution* : India : West Bengal.Genus *Lomosporous* Gupta and Khera, 19882117. *L. indicus* Gupta and Khera, 1988*Host* : *Labeo calbasu*; site of infection : gills and operculum.*Distribution* : India : Punjab.2118. *L. krishnagarensis* (Das and Haldar, 1986)(Syn. *Neothelohanellus krishnagarensis* Das and Haldar, 1986)*Host* : *Labeo calbasu*; site of infection : fatty matrix of brain.*Distribution* : India : West Bengal.

Suborder PLATYSPORINA

Family MYXOBOLIDAE

Genus *Myxobolus* Butschli, 1882(= *Myxosoma*, *Gyrospora*)2119. *M. aligarhensis* Bhatt and Siddiqui, 1964(Syn. *M. ophicephali* Bhatt and Siddiqui, 1964; *M. punctatus* Ray Chaudhuri and Chakravarty, 1970)*Host* : *Channa punctatus*; site of infection : accessory respiratory membrane, pharyngeal epithelium, and fins.*Distribution* : India : West Bengal, Uttar Pradesh, Punjab.2120. *M. ampullaceus* Lalitha Kumari, 1969*Host* : *Barbus kolus*; site of infection : dorsal and ventral fins.*Distribution* : India : Andhra Pradesh.2121. *M. andhrae* (Lalitha Kumari, 1969)*Host* : *Channa punctatus* (= *Ophicephalus punctatus*); site of infection : surface wall of the intestine.*Distribution* : India : Andhra Pradesh.2122. *M. anili* Sarkar, 1989*Host* : *Liza macrolepis*, *Rhinomugil corsula*; site of infection : mesentry associated with duodenum and intestinal villi.*Distribution* : India : Andhra Pradesh, West Bengal.

2123. *M. attui* Sarkar, 1985

Host : *Wallago attu*; site of infection : gut.

Distribution : India : West Bengal.

2124. *M. bankimi* Sarkar, 1999

Host : *Sicamugil cascasia*; site of infection : inner wall of gall bladder.

Distribution : India : West Bengal.

2125. *M. barbi* Tripathi, 1952

Host : *Barbus ticto*; site of infection : skin.

Distribution : India : West Bengal.

2126. *M. batae* Karamchandani, 1970

Host : *Labeo bata*; site of infection : gill filaments.

Distribution : India : Orissa.

2127. *M. bengalensis* Chakravarty and Basu, 1948

Host : *Catla catla*; site of infection : gills.

Distribution : India : West Bengal, Andhra Pradesh.

2128. *M. bhadrensis* Seenappa and Monohar, 1981

Host : *Labeo rohita*; site of infection : muscle.

Distribution : India : Karnataka.

2129. *M. bhadurius* (Sarkar, 1985)

Host : *Wallago attu*; site of infection : gall bladder.

Distribution : India : West Bengal.

2130. *M. bivacuolatus* Narasimhamurti and Kalavati, 1986

Host : *Clarius batrachus*; site of infection : intestinal wall.

Distribution : India : Andhra Pradesh.

2131. *M. buccoroofus* Basu and Haldar, 2004

Host : *Labeo bata*; site of infection : roof of buccal cavity.

Distribution : India : West Bengal.

2132. *M. calbasui* Chakravarty, 1939

Host : *Labeo calbasu*, *Labeo rohita*, *Cirrhinus mrigala*; site of infection : gall bladder.

Distribution : India : West Bengal.

2133. *M. calcariferum* Basu and Haldar, 2003

Host : *Lates calcarifer*; site of infection : gill filaments.

Distribution : India : West Bengal.

2134. *M. carnaticus* Seenappa and Monohar, 1981

Host : *Cirrhina mrigala*; site of infection : gill branchiae.

Distribution : India : Karnataka.

2135. *M. cartiliginis* Hoffman, Putz and Dunbar, 1965

Host : Major carps, minor carps and murels; site of infection : gill cartilage of branchial arches and base of finrays.

Distribution : India : Haryana.

2136. *M. catlae* Chakravarty, 1943

Host : *Catla catla*, *Cirrhinus mrigala*, *Labeo rohita*; site of infection : gills.

Distribution : India : West Bengal.

2137. *M. catmrigalae* Basu and Haldar, 2003

Host : *Catla-Mrigala* hybrid; site of infection : gill lamellae.

Distribution : India : West Bengal.

2138. *M. cerebralis* Hofer, 1903

Host : Major carps, minor carps and murels; site of infection : cartilage of head and vertebral column.

Distribution : India : Maharashtra, Haryana.

2139. *M. chakravartyi* Haldar, Das and Sharma, 1983

Host : *Catla catla*; site of infection : internal eye musculature.

Distribution : India : West Bengal.

2140. *M. channai* (Kalavati, Sandeep and Narasimhamurti, 1981)

(Syn. *Myxosoma channai* Kalavati *et al.*, 1981)

Host : *Channa punctata*; site of infection : fins, body muscles, kidney and liver.

Distribution : India : Andhra Pradesh.

2141. *M. chilensis* (Kalavati *et al.*, 1992)

(Syn. *Rudicapsula chilensis* Kalavati *et al.*, 1992)

Host : *Labeo rohita*; site of infection : gall bladder.

Distribution : India : Orissa.

2142. *M. chinsurahensis* Basu and Haldar, 2003

Host *Anabas testudineus*; site of infection : scales.

Distribution : India : West Bengal

2143. *M. clarii* Chakravarty, 1943

Host : *Clarias batrachus*; site of infection : gall bladder, liver, testes, ovary and fat bodies.

Distribution : India : Andhra Pradesh.

2144. *M. coeli* Haldar, Samal and Mukhopadhyay, 1996

Host : *Chanos chanos*; site of infection : gall bladder.

Distribution : India : Orissa.

2145. *M. crucifila* (Qadri, 1962)

(Syn. *Gyrosora crucifilus* Qadri, 1962)

Host : *Labeo fimbriatus*; site of infection : gills.

Distribution : India : Andhra Pradesh.

2146. *M. curmucae* Seenappa and Monohar, 1981

Host : *Puntius curmuca*; site of infection : below the scales.

Distribution : India : Karnataka.

2147. *M. cuttacki* Haldar, Samal and Mukhopadhyay, 1996

Host : *Cyprinus carpio*; site of infection : branchial filaments.

Distribution : India : Orissa.

2148. *M. cylindricus* (Sarkar, Mazumder and Pramanik, 1985)

(Syn. *Myxosoma cylindricus* Sarkar, Mazumder and Pramanik, 1985)

Host : *Channa gachua*; site of infection : kidney.

Distribution : India : West Bengal

2149. *M. dasgupti* Haldar, Samal and Mukhopadhyay, 1996

Host : *Mugil tade*; site of infection : body muscles and gills.

Distribution : India : Orissa.

2150. *M. dermatitis* Haldar, Mukherji and Kundu, 1981)

Host : *Labeo rohita*; site of infection : scales.

Distribution : India : West Bengal.

2151. *M. ectointestinalis* Mukhopadhyay and Haldar, 2003

Host : *Catla catla*; site of infection : outer wall gut.

Distribution : India : West Bengal.

2152. *M. edellae* Sarkar, 1999

Host : *Ctenopharyngodon edella*; site of infection : kidney.

Distribution : India : West Bengal.

2153. *M. eeli* Mandal and Nair, 1975

Host : *Mastacembelus armatus*; site of infection : inner wall of intestine.

Distribution : India : West Bengal

2154. *M. encephalicus* (Muslow, 1911)

(Syn. *Lentospora encephalicus* Muslow, 1911)

Host : *Labeo rohita*; site of infection : brain, blood vessels.

Distribution : India : Orissa.

2155. *M. episquammalis* Egusa, Maeno and Sorimachi, 1990

Host : *Mugil cephalus*, *Liza macrolepis*; site of infection : gills, visceral peritoneum, intestine.

Distribution : India : Andhra Pradesh, Orissa.

2156. *M. esomi* (Kalavati and Narasimhamurti, 1984)

(Syn. *Rudicapsula esomi* Kalavati and Narasimhamurti, 1984)

Host : *Esomus* sp.; site of infection : caudal fin.

Distribution : India : Andhra Pradesh

2157. *M. etropi* Rajendran, Vijayan and Alvandi, 1998

Host : *Etroplus suratensis*; site of infection : heart, bulbous arteriosus.

Distribution : India : Tamil Nadu.

2158. *M. filamentosus* (Halдар, Mukherji and Kundu, 1985)

(Syn. *Myxosoma filamentosus* Halдар, Mukherji and Kundu, 1985)

Host : *Puntius filamentosus*; site of infection : cartilage, brain.

Distribution : India : West Bengal.

2159. *M. fossilii* (Gupta, Gupta and Sarawat, 2001)

(= *Myxosoma fossilii* Gupta, Gupta and Sarawat, 2001)

Host : *Heteropneustes fossilis*; site of infection : cartilage, brain.

Distribution : India : Uttar Pradesh.

2160. *M. gangulyi* (Sarkar, Halдар and Chakraborti, 1982)

(Syn. *Myxosoma ganguli* (Sarkar, Halдар and Chakraborti, 1982)

Host : *Silago maculata*; site of infection : cartilage of the head skeleton.

Distribution : India : Andman Islands.

2161. *M. goensis* Eiras and D' Souza, 2004

Host : *Mugil cephalus*; site of infection : gill rakers.

Distribution : India : Goa.

2162. *M. haldari* Gupta and Khera, 1989

Host : *Cirrhinus mrigala*, *Labeo dyocheilus*, *Labeo rohita*, *Labeo bata*; site of infection : fins and gills.

Distribution : India : Punjab.

2163. *M. hosadurgensis* Seenappa and Monohar, 1981

Host : *Cirrhina mrigala*; site of infection : gills, muscle.

Distribution : India : Karnataka

2164. *M. hyderabadense* (Lalitha Kumari, 1969)

(Syn. *Myxosoma hyderabadense* Lalitha Kumari, 1969)

Host : *Barbus pinnauratus*, *Puntius filamentosus*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh and Kerala.

2165. *M. indiae* (Lalitha Kumari, 1969)

(Syn. *Myxosoma indiae* Lalitha Kumari, 1969)

Host : *Barbus sarana*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh.

2166. *M. indicum* Tripathi, 1952

Host : *Cirrhinus mrigala*; site of infection : muscle, liver and intestinal wall.

Distribution : India : West Bengal.

2167. *M. indirae* (Kundu, 1985)

(Syn. *Myxosoma indirae* Kundu, 1985)

Host : *Cirrhina mrigala*; site of infection : scales of tail fin, cartilage of head.

Distribution : India : West Bengal.

2168. *M. karnatakae* (Hagaragi and Amoji, 1981)

(Syn. *Myxosoma karnatakae* Hagaragi and Amoji, 1981)

Host : *Barbu chola*; site of infection : caudal muscles.

Distribution : India : West Bengal.

2169. *M. koli* Lalitha Kumari, 1969

Host : *Barbus kolus*, *Puntius filamentosus*; site of infection : dorsal and ventral fins.

Distribution : India : Andhra Pradesh and Kerala.

2170. *M. labeosus* Sarkar, 1995

Host : *Labeo fimbriatus*; site of infection : mesentry associated with spleen.

Distribution : India : West Bengal.

2171. *M. lalithae* Gupta and Khera, 1988

Host : *Labeo calbasu*; site of infection : gills.

Distribution : India : Punjab.

2172. *M. lizae* (Narasimhamurti and Kalavati, 1979)

(Syn. *M. lairdi* Narasimhamurti and Kalavati, 1979)

Host : *Liza macorlepis*; site of infection : intestinal wall.

Distribution : India : Andhra Pradesh.

2173. *M. macrolepi* Padma Dorothy and Kalavati, 1992

Host : *Liza macorlepis*; site of infection : intestine.

Distribution : India : Andhra Pradesh and Kerala.

2174. *M. magauddi* (Bajpai, Haldar and Kundu, 1981)

(Syn. *Myxosoma magauddi* Bajpai, Haldar and Kundu, 1981)

Host : *Trichogaster fasciatus*; site of infection : branchial filaments.

Distribution : India : West Bengal.

2175. *M. magurii* Sarkar, 1993

Host : *Clarias magur* (*batrachus*); site of infection : arborescent organ (accessory respiratory organ).

Distribution : India : West Bengal.

2176. *M. mahendrae* Sarkar, 1986

Host : *Catla catla*; site of infection : gill rachii.

Distribution : India : West Bengal, Andhra Pradesh and Punjab.

2177. *M. monoramae* Basu and Haldar, 2002

Host : Catla-Rohu hybrid; site of infection : tail fins.

Distribution : India : West Bengal.

2178. *M. maruliensis* (Sarkar, Mazumder and Pramanik, 1985)

(Syn. *Myxosoma maruliensis* Sarkar, Mazumder and Pramanik, 1985)

Host : *Channa marulius*; site of infection : kidney.

Distribution : India : West Bengal.

2179. *M. mathuri* Jayasri, Parvatesam and Matur, 1981

Host : *Puntius sarana*; site of infection : gills.

Distribution : India : Rajasthan.

2180. *M. meglitschus* Sarkar, 1996

Host : *Notopterus notopterus*; site of infection : lamellar epithelium of gills.

Distribution : India : West Bengal.

2181. *M. mola* Sarkar, 1993

Host : *Amblypharyngodon mola*; site of infection : kidney.

Distribution : India : West Bengal.

2182. *M. mrigalae* Chakravarty, 1939

Host : *Cirrhinus mrigala*; site of infection : scales.

Distribution : India : West Bengal.

2183. *M. mrigalhitae* Basu and Haldar, 2003

Host : *Cirrhina mrigala*-*Labeo rohita* hybrid; site of infection : gills.

Distribution : India : West Bengal.

2184. *M. mugcephalus* (Narasimhamurti, Kalavarti and Saratchandra, 1980)

(Syn. *Myxosoma microspora* Narasimhamurti, Kalavarti and Saratchandra, 1980)

Host : *Mugil cephalus*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh and Orissa.

2185. *M. mugilii* Haldar, Samal and Mukhopadhyay, 1996

Host : *Mugil cephalus*; site of infection : gills.

Distribution : India : Orissa.

2186. *M. multivaderis* Mukhopadhyay and Haldar, 1998

Host : *Catla catla*; site of infection : gills, palate, intestine and brain tissue.

Distribution : India : West Bengal.

2187. *M. mystusius* Sarkar, 1986

Host : *Mystus vittatus*; site of infection : scale.

Distribution : India : West Bengal.

2188. *M. naihatiensis* Acharya *et al.*, 2004

Host : *Cirrhinus mrigala*; site of infection :

Distribution : India : West Bengal.

2189. *M. narasii* (Narasimhamurti, 1969)

(Syn. *Myxosoma intestinlis* Narasimhamurti, 1970)

Host : *Mugil waigensis*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

2190. *M. noblei* (Sarkar, 1982)

(Syn. *Myxosoma noblei* Sarkar, 1982)

Host : *Ophicephalus striatus*; site of infection : gall bladder.

Distribution : India : West Bengal.

2191. *M. nodularis* Southwell and Prasad, 1918

Host : *Rasbora daniconius*; site of infection : fins, muscles, pancreas, intestine and gall bladder.

Distribution : India : Kerala.

2192. *M. ophthalmasculata* Basu and Haldar, 2002

Host : *Cirrhinus mrigala*; site of infection : eye muscles.

Distribution : India : West Bengal.

2193. *M. orissae* Haldar, Samal and Mukhopadhyay, 1996

Host : *Cirrhinus mrigala*; site of infection : gills.

Distribution : India : Orissa.

2194. *M. osmaniae* Lalitha Kumari, 1969

Host : *Barbus punjaubensis*; site of infection : liver and intestine.

Distribution : India : Andhra Pradesh.

2195. *M. parsi* Das, 1996

Host : *Liza parsia*; site of infection : gills.

Distribution : India : West Bengal.

2196. *M. parvus* Schulmann, 1962

Host : *Mugil cephalus*; site of infection : gill rakers.

Distribution : India : Goa.

2197. *M. pinnaurati*, Lalitha Kumari, 1969

Host : *Barbus pinnauratus*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh.

2198. *M. potaili* Lalitha Kumari, 1969

Host : *Labeo potaili*; site of infection : liver and intestine.

Distribution : India : Andhra Pradesh.

2199. *M. psilorhynchi* Lalitha Kumari, 1969

Host : *Psilorhynchus balitora*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh.

2220. *M. punjabensis* Gupta and Khera, 1989

Host : *Labeo dyocheilus*; site of infection : fins and gills.

Distribution : India : Punjab.

2201. *M. renicatlae* Mukhopadhyay and Haldar, 2003

Host : *Catla catla*; site of infection : kidney.

Distribution : India : West Bengal.

2202. *M. rewensis* Srivastava, 1978

Host : *Cirrhinus mrigala*; site of infection : scales.

Distribution : India : Madhya Pradesh.

2203. *M. rigida* Sarkar, 1999

Host : *Amblypharyngodon mola*; site of infection : kidney.

Distribution : India : West Bengal.

2204. *M. rocatlae* Basu and Haldar, 2002

Host : Catla-Rohu hybrid; site of infection : gills and gut.

Distribution : India : West Bengal.

2205. *M. rohita* Haldar, Das and Sharma, 1983

Host : *Labeo rohita*, *Labeo bata*, *Labeo dyocheilus*, *Labeo calbasu*, *Puntius sarana*; site of infection : scales.

Distribution : India : West Bengal and Punjab.

2206. *M. saranae* Gupta and Khera, 1990

Host : *Puntius sarana*; site of infection : gills.

Distribution : India : Punjab.

2207. *M. saranai* (Tripathi, 1952)

(Syn. *Myxobolus branchialis* Tripathi, 1952)

Host : *Barbus sarana*; site of infection : gills.

Distribution : India : West Bengal.

2208. *M. saraswatii* Gupta and Sarawat, 1993

Host : *Clarias batrachus*; site of infection : kidney.

Distribution : India : Uttar Pradesh.

2209. *M. scatophagi* Haldar, Samal and Mukhopadhyay, 1996

Host : *Scatophagus argus*; site of infection : gills.

Distribution : India : Orissa.

2210. *M. serrata* Pagarkar and Das, 1993

Host : *Cyprinus carpio*; site of infection : gill arch.

Distribution : India : West Bengal.

2211. *M. seshadri* Lalitha Kumari, 1968

Host : *Labeo fimbriatus*; site of infection : gills.

Distribution : India : Andhra Pradesh.

2212. *M. shantipuri* Basu and Haldar, 2002

Host : Catla-Rohu hybrid; site of infection : gill lamellae.

Distribution : India : West Bengal.

2213. *M. shetti* Seenappa and Monohar, 1981

Host : *Cirrhina mrigala*; site of infection : gills.

Distribution : India : Karnataka and Kerala.

2214. *M. sophorae* Jayasri, 1982

Host : *Punius sophorae*; site of infection : gills and kidney.

Distribution : India : Rajasthan.

2215. *M. sphaeralis* Padma Dorothy and Kalavati, 1992

Host : *Liza macrolepis*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh.

2216. *M. spinocurvatura* Maeno, Sorimachi, Ogawa and Egusa, 1990

Host : *Mugil cephalus*; site of infection : branchial cartilage.

Distribution : India : Andhra Pradesh.

2217. *M. trichogasteri* (Sarkar, 1982)

(Syn. *Myxosoma trichogasteri* Sarkar, 1985)

Host : *Trichogaster fasciatus*; site of infection : gall bladder, bile.

Distribution : India : West Bengal.

2218. *M. tripathii* Kalavati, Sandeep and Narasimhamurti, 1981

Host : *Clarias* sp.; site of infection : wall of the gut and visceral organs.

Distribution : India : Andhra Pradesh.

2219. *M. undsuturae* Sarkar, 1994

Host : *Amblypharyngodon mola*; site of infection : urinary bladder.

Distribution : India : West Bengal.

2220. *M. vanivilasae* Seenappa and Monohar, 1980

Host : *Cirrhina mrigala*; site of infection : beneath the scales all over the body.

Distribution : India : Karnataka.

2221. *M. variformis* (Halder, Samal and Mukhopadhyay, 1996)

(Syn. *Myxosoma variabilis* Halder, Samal and Mukhopadhyay, 1996)

Host : *Mystus gulio*; site of infection : body muscles and gills.

Distribution : India : Orissa.

2222. *M. vedavatiensis* Seenappa and Monohar, 1981

Host : *Cirrhina mrigala*; site of infection : gills.

Distribution : India : Karnataka.

2223. *M. venkateshi* Seenappa and Monohar, 1981

Host : *Cirrhina mrigala*, *Heteropneustes fossilis*; site of infection : gills.

Distribution : India : Karnataka, Kerala.

2224. *M. yogindrai* (Tripathi, 1952)

(Syn. *Myxobolus sphericum* Tripathi, 1952)

Host : *Cirrhina mrigala*; site of infection : inner side of the scales.

Distribution : India : West Bengal.

2225. *M.* sp.

Host : *Liza macrolepis*, *Mugil cephalus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

2226. *M.* sp.

Host : *Rasbora daniconius*; site of infection : subcutaneous tissue.

Distribution : India : Uttar Pradesh.

Genus *Henneguya* Thelohan, 1892

2227. *H. acharyai* n. comb.

(Syn. *Henneguya ritae* Acharya, 2005)

Host : *Rita rita*; site of infection : skin.

Distribution : India : West Bengal.

2228. *H. basiri* (Bhatt and Siddiqui, 1964)

(= *Unicauda basiri* Bhatt and Siddiqui, 1964)

Host : *Ophicephalus punctatus*; site of infection : pharyngeal epithelium.

Distribution : India : Uttar Pradesh.

2229. *H. bengalensis* (Ray Chaudhuri and Chakravarty, 1970)

(Syn. *Unicauda bengalensis* Ray Chaudhuri and Chakravarty, 1970)

Host : *Channa punctatus*; site of infection : buccal cavity.

Distribution : India : West Bengal.

2230. *H. bicornuata* (Ray Chaudhuri and Chakravarty, 1970)

(Syn. *Unicauda bicornuata* Ray Chaudhuri and Chakravarty, 1970)

Host : *Ophicephalus punctatus*; site of infection : branchial epithelium.

Distribution : India : West Bengal.

2231. *H. bleekeri* Halder and Mukherjee, 1985

Host : *Mystus bleekeri*; site of infection : kidney.

Distribution : India : West Bengal.

2232. *H. chaudhuryi* (Bajpai and Halder, 1982)

(Syn. *Unicauda chaudhuryi* Bajpai and Halder, 1982)

Host : *Channa punctatus*; site of infection : gill filaments.

Distribution : India : West Bengal.

2233. *H. ganapatiae* Qadri, 1970

Host : *Notopterus notopterus*; site of infection : gill contents.

Distribution : India : Andhra Pradesh.

2234. *H. latesi* Tripathi, 1952

Host : *Lates calcarifer*; site of infection : gills.

Distribution : India : West Bengal.

2235. *H. megalopsi* Kalavati, Venkateswara Rao and Vaidehi, 1991

Host : *Megalops cyprinoides*; site of infection : gall bladder.

Distribution : India : Orissa.

2236. *H. mystasi* Haldar, Samal and Mukhopadhyay, 1997

Host : *Mystus gulio*; site of infection : gills.

Distribution : India : Orissa.

2237. *H. mystusia* Sarkar, 1985

Host : *Mystus* sp.; site of infection : gill filaments.

Distribution : India : West Bengal, Kerala.

2238. *H. namae* Haldar, Das and Sharma, 1983

Host : *Ambassis nama*; site of infection : gills and heart.

Distribution : India : West Bengal.

2239. *H. nandi* Gupta and Khera, 1987

Host : *Nandus nandus*; site of infection : gills and heart.

Distribution : India : Punjab.

2240. *H. notopteriae* Qadri, 1965

Host : *Notopterus notopterus*; site of infection : gills.

Distribution : India : Andhra Pradesh.

2241. *H. ophicephali* Chakravarty, 1939

(Syn. *Unicauda ophicephali* Tripathi, 1952)

Host : *Channa punctatus*; site of infection : gills and muscles.

Distribution : India : West Bengal.

2242. *H. otolithi* Ganapati, 1941

Host : *Otolithus ruber*, *Otolithus masculatus*; site of infection : bulbous arteriosus.

Distribution : India : Tamil Nadu.

2243. *H. qadrii* Lalitha Kumari, 1965

Host : *Ophicephalus gachua*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

2244. *H. renalis* Sarkar, Mazumder and Pramanik, 1985

Host : *Channa marulius*; site of infection : kidney

Distribution : India : West Bengal.

2245. *H. ritae* (Bajpai and Haldar, 1982)

(Syn. *Unicauda ritae* (Bajpai and Haldar, 1982)

Host : *Rita rita*; site of infection : branchial filament.

Distribution : India : West Bengal.

2246. *H. rubicundi* Halдар and Mukherjee, 1985

Host : *Gobioides rubicundus*; site of infection : dorsal and ventral fin.

Distribution : India : West Bengal.

2247. *H. singhi* Lalitha Kumari, 1969

Host : *Notopterus osmanii*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh.

2248. *H. tachysuri* Gopinathamenon, 1986

Host : *Ophicephalus punctatus*; site of infection : branchial epithelium.

Distribution : India : West Bengal.

2249. *H. thermalis* Seenappa, Monohar and Prabhu, 1981

Host : *Lepidocephalichthys thermalis*; site of infection : brain tissue.

Distribution : India : Karnataka.

2250. *H. waltirensis* Narasimhamurti and Kalavati 1975

Host : *Channa (Ophicephalus) punctatus*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh, Kerala.

2251. *H. zahoori* Bhatt and Siddiqui, 1964

Host : *Ophicephalus punctatus*; site of infection : gill filaments.

Distribution : India : Uttar Pradesh.

Genus *Neohenneguya* Tripathi, 1952

2252. *N. tetradradiata* Tripathi, 1952

Host : *Odontamblyopus rubicundus*; site of infection : gills.

Distribution : India : Uttar Pradesh.

Genus *Thelohaenellus* Kudo, 1933

2253. *T. andhrae* Qadri 1962

Host : *Labeo fimbriatus*; site of infection : gills.

Distribution : India : Andhra Pradesh, Kerala.

2254. *T. auerbachii* Sarkar, 1987

Host : *Tachysurus platystomus*; site of infection : gall bladder.

Distribution : India : West Bengal.

2255. *T. avijiti*-Basu and Halдар, 2003

Host : *Labeo rohita*; site of infection : dorsal fin.

Distribution : India : West Bengal.

2256. *T. batae* Lalitha Kumari, 1969

Host : *Labeo bata*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh.

2257. *T. bengalensis* Sarkar and Ray Choudhury, 1986

Host : *Catla catla*; site of infection : gall bladder.

Distribution : India : West Bengal.

2258. *T. bifurcata* Basu and Haldar, 1999

Host : *Labeo rohita*-*Catla catla* hybrid; site of infection : gill filaments.

Distribution : India : West Bengal.

2259. *T. boggoti* Qadri, 1962

Host : *Labeo beggoti*; site of infection : gills.

Distribution : India : Andhra Pradesh.

2260. *T. calbasui* Tripathi, 1952

Host : *Labeo calbasu*; site of infection : scale.

Distribution : India : West Bengal.

2261. *T. catlae* Chakravarty and Basu, 1948

Host : *Catla catla*; site of infection : branchiae.

Distribution : India : West Bengal.

2262. *T. caudatus* Pagarkar and Das, 1993

Host : *Labeo rohita*; site of infection : between rays of caudal fin and anal fin.

Distribution : India : West Bengal.

2263. *T. chandannagarensis* Basu and Haldar, 2003

Host : *Catla catla*; site of infection : gill filaments.

Distribution : India : West Bengal.

2264. *T. chelae* Lalitha Kumari, 1969

Host : *Chela bacaila*; site of infection : gall bladder.

Distribution : India : Andhra Pradesh.

2265. *T. chilkinsis* Kalavati and Vaidehi, 1991

Host : *Labeo rohita*; site of infection : gall bladder.

Distribution : India : Orissa.

2266. *T. chrysopomati* Lalitha Kumari, 1969

Host : *Barbus chrysopoma*; site of infection : gill contents.

Distribution : India : Andhra Pradesh.

2267. *T. coeli* Sarkar and Mazumder, 1983

Host : *Tachysurus tenuipinis*; site of infection : gall bladder.

Distribution : India : West Bengal.

2268. *T. disporomorphus* Basu, Modak and Halder, 2006

Host : *Cirrhinus mrigala mrigala*; site of infection : tail fin.

Distribution : India : West Bengal.

2269. *T. endodermatitis* Mukhopadhyay and Haldar, 2004

Host : *Labeo rohita*; site of infection : under surface of scales.

Distribution : India : West Bengal.

2270. *T. gangeticus* Tripathi, 1952

Host : *Chela bacaila*, *Puntius vittatus*; site of infection : muscles.

Distribution : India : West Bengal, Kerala.

2271. *T. jiroveci* Kundu and Haldar, 1981

Host : *Labeo bata*; site of infection : branchiae.

Distribution : India : West Bengal.

2272. *T. mrigalae* Tripathi, 1952

Host : *Cirrhinus mrigala*; site of infection : skin on the head.

Distribution : India : West Bengal.

2273. *T. narasimhamurtius* Sarkar, 1994

Host : *Amblypharyngodon mola*; site of infection : inter lamellae of gill filaments.

Distribution : India : West Bengal.

2274. *T. ophthalmicus* Haldar, Das and Sharma, 1983

Host : *Catla catla*, *Glossogobius giuris*; site of infection : internal musculature and sclera.

Distribution : India : West Bengal, Kerala.

2275. *T. orissae* Haldar, Samal and Mukhopadhyay, 1997

Host : *Cirrhinus mrigala*; site of infection : gills.

Distribution : India : Orissa.

2276. *T. parastromataei* Narasimhamurti *et al.*, 1990

Host : *Parastromateus niger*; site of infection : gall bladder.

Distribution : India : Orissa.

2277. *T. potaili* Lalitha Kumari, 1969

Host : *Labeo potail*; site of infection : fins.

Distribution : India : Andhra Pradesh.

2278. *T. pyriformis* Thelohan, 1892

Host : Major carps, minor carps, murels; site of infection : gills.

Distribution : India : Kerala, Haryana.

2279. *T. qadrii* Lalitha Kumari, 1969

Host : *Labeo potail*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh.

2280. *T. rodgi* Hagargi, Kundu and Halder, 1979

Host : *Labeo calbasu*; site of infection : gills.

Distribution : India : West Bengal.

2281. *T. rohita* (Southwell and Prasad, 1918)

(Syn. *Myxobolus rohita* Southwell and Prasad, 1918)

Host : *Labeo rohita*; site of infection : gills.

Distribution : India : West Bengal.

2282. *T. sanjibi* Sarkar and Ghosh, 1990

Host : *Mystus gulio*; site of infection : kidney.

Distribution : India : West Bengal.

2283. *T. seni* (Southwell and Prasad, 1918)

(Syn. *Myxobolus seni* Southwell and Prasad, 1918)

Host : *Catla catla*; site of infection : branchiae.

Distribution : India : West Bengal.

2284. *T. shortii* Qadri, 1967

Host : *Labeo fimbriatus*; site of infection : fins.

Distribution : India : Andhra Pradesh.

2285. *T. sudevi* Sarkar and Ghosh, 1990

Host : *Amblypharyngodon mola*; site of infection : kidney.

Distribution : India : West Bengal.

2286. *T. wallagoi* Sarkar, 1980

Host : *Wallago attu*; site of infection : gall bladder

Distribution : India : West Bengal.

2287. *T. sp.*

Host : *Labeo rohita*; site of infection : scales.

Distribution : India : West Bengal.

2288. *T. sp.*

Host : *Catla catla*; site of infection : gills.

Distribution : India : West Bengal.

2289. *T. sp.*

Host : Catla-Rohu hybrid; site of infection : gills.

Distribution : India : West Bengal.

Genus *Unicauda* Davis, 19442290. *U. andhrae* Kalavati and Narasimhamurti, 1981

Host : *Channa (Ophicephalus) gachua*; site of infection : gills.

Distribution : India : Andhra Pradesh.

2291. *U. aplocheili* Kalavati, Venkateswara Rao and Vaidehi, 1991

Host : *Aplocheilus panchax*; site of infection : scales and skins.

Distribution : India : Orissa.

2292. *U. armati* Gupta and Khera, 1987

Host : *Mastacembelus armatus*; site of infection : gills.

Distribution : India : Punjab.

2293. *U. irregularis* Haldar, Samal and Mukhopadhyay, 1997

Host : *Mystus vittatus*; site of infection : body muscles.

Distribution : India : Orissa.

2294. *U. minuta* Haldar, Samal and Mukhopadhyay, 1997

Host : *Etroplus suratensis*; site of infection : gills.

Distribution : India : Orissa.

2295. *U. theraponi* Haldar, Samal and Mukhopadhyay, 1997

Host : *Therapon jarbua*; site of infection : gills.

Distribution : India : Orissa.

Genus *Phlogospora* Qadri, 1962

2296. *P. mysti* Qadri, 1962

Host : *Mystus bleekeri*; site of infection : gills.

Distribution : India : Andhra Pradesh.

2297. *P. oculatus* Susha and Janardanan, 1995

Host : *Mystus oculatus*; site of infection : gill filaments.

Distribution : India : Kerala.

Order MULTIVALVULIDA

Family TRILOSPORIDAE

Genus *Unicapsula* Davis 1924

2298. *U. chirocentrusi* Sarkar, 1993

Host : *Chirocentrus dorab*; site of infection : skeletal muscle.

Distribution : India : Indian southern coast of Indian sea.

2299. *U. maxima* Sarkar, 1999

Host : *Pseudosciana coibar*; site of infection : kidney parenchyma.

Distribution : India : West Bengal.

Family KUDOIDAE

Genus *Kudoa* Meglitsch, 1960

2300. *K. atropi* Sandeep, Kalavati and Narasimhamurti, 1986

Host : *Atropus atropus*; site of infection : gill filaments.

Distribution : India : Andhra Pradesh.

2301. *K. bengalensis* Sarkar and Mazumder, 1983

Host : *Tachysurus platystomus*; site of infection : skeletal muscle.

Distribution : India : West Bengal.

2302. *K. cascasia* Sarkar and Ray Chaudhury, 1996

Host : *Sicamugil cascasia*; site of infection : mesentery.

Distribution : India : West Bengal.

2303. *K. chilkaensis* Tripathi, 1952

Host : *Strongilura strongilura*; site of infection : muscle.

Distribution : India : Orissa.

2304. *K. coibori* Sarkar, 1999*Host* : *Pseudosciaena coibor*; site of infection : gut wall.*Distribution* : India : West Bengal.2305. *K. haridasae* Sarkar and Ghosh, 1991*Host* : *Mugil parsia*; site of infection : gall bladder.*Distribution* : India : West Bengal.2306. *K. sagarica* Das, 1996*Host* : *Liza parsia*; site of infection : gall bladder.*Distribution* : India : West Bengal.2307. *K. sphyraeni* Narasimhamurti and Kalavati, 1979*Host* : *Sphyraena jello*; site of infection : muscles.*Distribution* : India : Andhra Pradesh.2308. *K. tachysuræ* Sarkar and Mazumder, 1983*Host* : *Tachysurus tenuispinis*; site of infection : gall bladder.*Distribution* : India : West Bengal.2309. *K. tetraspora* Kalavati and Narasimhamurti, 1979*Host* : *Mugil cephalus*; site of infection : brain and optic lobes.*Distribution* : India : Andhra Pradesh.2310. *K. valamugili* Kalavati and Anuradha, 1993*Host* : *Valamugil cunnessius*; site of infection : muscle of the intestine.*Distribution* : India : Andhra Pradesh.**Incertae sedis to class Myxosoprea**Genus *Symmetrula* Rajula and Radha, 19662311. *S. cochinoalia* Rajula and Radha, 1966*Host* : *Dactylopius indicus*; site of infection : not available.*Distribution* : India : Kerala.

Class ACTINOSPOREA

Subclass ACTINOMYXEA

Order ACTINOMYXIDA

Family ACTINOMYXIDAE

Genus *Triactinomyxon* Stolc, 18992312. *T. naidanum* Naidu, 1956*Host* : *Nais communis punjabensis*; site of infection : posterior part of the gut.

Distribution : India : Andhra Pradesh.

2313. *T. sp.*

Host : *Pristina longiseta*; site of infection : gut wall.

Distribution : India : Andhra Pradesh.

Phylum CILIOPHORA

Class KINETOFRAGMINOPHOREA

Subclass VESTIBULIFERIA

Order TRICHOSTOMATIDA

Suborder TRICHOSTOTINA

Family BALANTIDIIDAE

Genus *Balantidium* Claparede and Lachman, 1858

2314. *B. aurangabadensis* Shete and Krishnamurthy, 1984

Host : *Rana tigrina*; site of infection : rectum.

Distribution : India : Maharashtra.

2315. *B. blattarum* Ghosh, 1922

Host : *Periplaneta americana*; site of infection : intestine.

Distribution : India : West Bengal and Punjab.

2316. *B. caprae* Abraham, 1962

Host : *Capra hircus*; site of infection : stomach.

Distribution : India : Andhra Pradesh.

2317. *B. coli* (Malmsten, 1857)

Host : *Bubalus bubalis*, *Homo sapiens*, *Sus scrofa*, *Macaca mulatta*, *Pango pygmaeus*, *Primates*; site of infection : colon.

Distribution : India : Andhra Pradesh, West Bengal, cosmopolitan.

2317a. *B. coli* var. *bovis* Cooper and Gulati, 1926

Host : *Bos indicus*; site of infection : intestine.

Distribution : India : Assam.

2318. *B. corlissi* Shete and Krishnamurthy, 1984

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

2319. *B. cyanophlycti* Shete and Krishnamurthy, 1984

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

2320. *B. depressum* (Ghosh, 1921)

Host : *Pila globosa*; site of infection : rectum.

Distribution : India : West Bengal.

2321. *B. dogieli* Das and Mukherjee, 1974

Host : *Lissemys punctata punctata*; site of infection : rectum.

Distribution : India : West Bengal.

2322. *B. duodeni* Stein, 1867

Host : *Micrixalus saxicola*, *M. opisthorhodus*, *Rana temporalis*, *R. leptodactyla*, *R. limnocharis*, *R. cyanophlyctis*, *Rana tigrina*; site of infection : duodenum, small intestine and rectum.

Distribution : India : Andhra Pradesh and Karnataka.

2323. *B. elongatum* Stein, 1867

Host : *Rana breviceps*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

2324. *B. frugivori* Bhaskar Rao *et al*; 1976

Host : *Rattus rattus frugivorus*; site of infection : instestine.

Distribution : India : Andhra Pradesh.

2325. *B. ganapatii* Shete and Krishnamurthy, 1984

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

2326. *B. gracile* Bezenberger, 1904

Host : *Micrixalus saxicola*, *M. opisthorhodus*, *Rana temporalis*, *R. leptodactyla*, *R. limnocharis*, *R. cyanophlyctis*; site of infection : intestine, colon and rectum.

Distribution : India : Andhra Pradesh and Karnataka, Goa.

2327. *B. helenae* Bezenberger, 1904

Host : *Micrixalus saxicola*, *M. opisthorhodus*, *Rana temporalis*, *R. tigrina*, *R. leptodactyla*, *R. limnocharis*, *R. cyanophlyctis*; site of infection : intestine, colon and rectum.

Distribution : India : Andhra Pradesh and Karnataka, Goa.

2328. *B. indicum* Abraham, 1962

Host : *Bos indicus*; site of infection : stomach.

Distribution : India : Andhra Pradesh.

2329. *B. knowlesi* Ghosh, 1925

Host : *Culicoides peregrinus*; site of infection : coelomic cavity.

Distribution : India : West Bengal.

2330. *B. megastomae* Shete and Krishnamurthy, 1984

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

2331. *B. mininucleatum* Shete and Krishnamurthy, 1984

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

2332. *B. mrigalae* Mukherjee and Haldar, 1986

Host : *Cirrhina mrigala*; site of infection : intestine.

Distribution : India : West Bengal.

2333. *B. osmaniae* Qadri and Navarathnam, 1966

Host : *Macaca radiata*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

2334. *B. ovatum* Ghosh, 1922

Host : *Perplaneta americana*; site of infection : intestine.

Distribution : India : West Bengal.

2335. *B. pangasi* Mukherjee and Haldar, 1986

Host : *Pangasius pangasius*; site of infection : intestine.

Distribution : India : West Bengal.

2336. *B. ranae* Shete and Krishnamurthy, 1984

Host : *Rana tigrina*; site of infection : rectum.

Distribution : India : Maharashtra.

2337. *B. ranarum* Ghosh, 1921

Host : *Rana tigrina*; site of infection : rectum.

Distribution : India : West Bengal.

2338. *B. rayi* Pal and Dasgupta, 1978

Host : *Trilotriton verrucosus*; site of infection : rectum.

Distribution : India : West Bengal.

2339. *B. rhacophori* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rhacophorus maculatus*; site of infection : colon and rectum.

Distribution : India : Andhra Pradesh.

2340. *B. rhesum* Ghosh, 1927

Host : *Macaca mulatta*; site of infection : intestine.

Distribution : India : West Bengal.

2341. *B. rotundum* Bezenberger, 1904

Host : *Rana hexadactyla*, *Rana tigrina*; site of infection : small intestine.

Distribution : India : West Bengal.

2342. *B. sushillae* Ray, 1932

Host : *Rana tigrina*; site of infection : intestine.

Distribution : India : West Bengal.

2343. *B. tigrinae* Shete and Krishnamurthy, 1984

Host : *Rana tigrina*; site of infection : rectum.

Distribution : India : Maharashtra.

2344. *B. tylotritonis* Pal and Dasgupta, 1978

Host : *Trilotriton verrucosus*; site of infection : rectum.

Distribution : India : West Bengal.

2345. *B. waltirensis* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

Order ENTODINIOMORPHIDA

Family CYCLOPOSTHIDAE

Genus *Hoarella* Mandal and Choudhury, 19832346. *H. indica* Mandal and Choudhury, 1983

Host : *Elephas maximus*; site of infection : intestine.

Distribution : India : Bihar.

Genus *Bozasella* Bulsson, 1823

2347. *B. elephantis* Mandal and Choudhury, 1983

Host : *Elephas maximus*: site of infection : intestine.

Distribution : India : Bihar.

Subclass HYPOSTOMATIA

Order CYRTOPHORIDA

Family CHLAMYDODONTIDAE

Genus *Chilodonella* Strand, 1926

2348. *C. cyprini* (Moroff)

Host : *Catla catla*, *Labeo rohita*, *Ictalurus punctatus*: site of infection : intestine

Distribution : India : Haryana.

2349. *C. hexasticha* (Kiernik, 1909)

Host : *Nandus mandus*; site of infection : rectum.

Distribution : India : Maharashtra.

Order RHYNCHODIDA

Family ANCISTROCOMIDAE

Genus *Ancistrocoma* Chatton and Lwoff, 1926

2350. *A. dissimilis* Kozloff, 1946

Host : *Macra luzonica*; site of infection : gills and labial palps.

Distribution : India : West Bengal.

2351. *A. pelseneeri* Chatton and Lwoff, 1926

Host : *Macra luzonica*; site of infection : gills and palps.

Distribution : India : West Bengal.

2352. *A. thorsoni* Fenchel, 1965

Host : *Macra luzonica*; site of infection : gills and labial palps.

Distribution : India : West Bengal.

Genus *Enerthecoma* Jarocki, 1935

2353. *E. dissimilis* Mahmood and Khan, 1980

Host : *Viviparus dissimilis*; site of infection : mantle cavity.

Distribution : India : Andhra Pradesh.

2354. *E. melanoidi* Kalavati, Rajakumari and Narasimhamurti, 1987

Host : *Melanoides tuberculatus*; site of infection : mantle cavity and gills.

Distribution : India : Andhra Pradesh.

Genus *Holocoma* Chatton and Lwoff, 1950

2355. *H. singhiii* Kalavati, Rajakumari and Narasimhamurti, 1987

Host : *Melanoides tuberculatus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Genus *Raabella* Chatton and Lwoff, 1950

2356. *R. helensis* Chatton and Lwoff, 1950

Host : *Modiolus (Modiolus) striatulus*; site of infection : gills.

Distribution : India : Andhra Pradesh, West Bengal.

Family ISOTRICHIDAE

Genus *Paraisotricha* Fiorentini, 1890

2357. *P. equi* Abraham, 1961

Host : *Equus caballus*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Family FOETTINGERIIDAE

Incertae sedis

Genus *Kofoidella* Cepede, 1910

2358. *K. aplocheilusi* Rao, 1979

Host : *Aplocheilus melastigma*; site of infection : gills.

Distribution : India : Andhra Pradesh.

Subclass SUCTORIA

Order SUCTORIDA

Family CYATHODINIDAE

Genus *Cyathodinium* Da Cunha, 1914

2359. *C. indiae* Bhaskar Rao and Bhaskar Rao, 1969

Host : *Cavia cutleri*; site of infection : gut.

Distribution : India : Andhra Pradesh.

Class OLIGOHYMENOPHOREA
 Subclass HYMENOSTOMATIA
 Order HYMENOSTOMATIDA
 Suborder TETRAHYMENINA
 Family PHRYOGLENIDAE

Genus *Tetrahymena* Furgason, 1940

2360. *Tetrahymena pyriformis* (Ehrenberg, 1880)

Host : *Callichorus bimaculatus*, *Mystus aor*, *Pangasius pangasius*, *Wallago attu*; site of infection :

Distribution : India : Karnataka.

Suborder OPHRYOGLENINA

Family ICHTHYOPHTHIRIIDAE

Genus *Ichthyophthirius* Fouquet, 1876

2361. *I. multifilis* Fouquet, 1876

Host : *Cirrhina mrigala*, *Labeo bata*, *Xiphophorus hellerii*; site of infection : skin.

Distribution : India : West Bengal.

2362. *I. sp.*

Host : *Labeo rohita*; site of infection : skin.

Distribution : India : West Bengal.

2363. *I. sp.*

Host : Major carps; site of infection : skin.

Distribution : India : West Bengal.

2364. *I. sp.*

Host : *Schizothorax plagiostomus*; site of infection : skin.

Distribution : India : Himachal Pradesh.

2365. *I. sp.*

Host : *Acrossocheilus hexagonolepis*; site of infection : skin.

Distribution : India : ?

2366. *I. sp.*

Host : *Schizothorax richardsoni*; site of infection : skin.

Distribution : India : Himachal Pradesh.

2367. *I. sp.*

Host : Carps; site of infection : skin.

Distribution : India : Karnataka.

2368. *I. sp.*

Host : Ornamental fishes; site of infection : skin.

Distribution : India : Karnataka.

Genus *Cryptocaryon* Brown, 1951

2369. *C. irritans* Brown, 1951

Host : Marine ornamental fish: site of infection : skin.

Distribution : India.

Order SCÚTICOCILIATIDA

Suborder PLEURONEMATINA

Family CYCLIDIIDAE

Insertae sedis

Genus *Cristigera* Roux, 1901

2370. *C. susamai* Jamadar and Choudhury 1988

Host : *Crassostrea cucullata*; site of infection : gills and labial palps.

Distribution : India : West Bengal.

Family CONCHOPHTHIRIDAE

Genus *Conchophthirus* Stein, 1861

2371. *C. curtus* Engleman, 1862

Host : *Lamellidens marginallis*; site of infection : mantle chamber.

Distribution : India : West Bengal.

2372. *C. elongatus* Ghosh, 1918

Host : *Lamellidens marginallis*: site of infection : mantle chamber.

Distribution : India : West Bengal.

2373. *C. lamellidens* Ghosh, 1918

Host : *Lamellidens marginallis*: site of infection : mantle chamber.

Distribution : India : West Bengal.

Suborder THIGMOTRICHINA

Family ANCISTRIDAE

Genus *Ancistrumina* Raabe, 1959

2374. *A. barbata* (Issel, 1903)

Host : *Cerithidea obtusa*; site of infection : mantle cavity and buccal mass.

Distribution : India : West Bengal.

2375. *A. obtusae* Jamadar and Choudhury, 1988

Host : *Cerithidea obtusa*; site of infection : buccal cavity.

Distribution : India : West Bengal.

Genus *Boveria* Stevens, 1901

2376. *B. teredinidi* Nelson, 1923

Host : *Donax lubricus*, *Macra luzonica*; site of infection : labial palps and gills.

Distribution : India : West Bengal.

Genus *Ancistrum* Maupas, 1883

2377. *A. ganapatii* Kalavati, Rajakumari and Narasimhamurti, 1987

Host : *Pila globosa*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

Genus *Fenchelia* Raabe, 1970

2378. *F. kapili* Jamadar and Choudhury, 1988

Host : *Cerithidea obtusa*; site of infection : ctenidium and mantle cavity.

Distribution : India : Andhra Pradesh and west Bengal.

2379. *F. sagarica* Jamadar and Choudhury, 1988

Host : *Cerithidea obtusa*; site of infection : mantle cavity.

Distribution : India : Andhra Pradesh and West Bengal.

Genus *Protophrya* Kofoed, 1903

2380. *P. indica* Jamadar and Choudhury, 1988

Host : *Littorina (Littorinopsis) scabra scabra*, *Littorina melanostoma*; site of infection : mantle cavity and buccal mass.

Distribution : India : Andhra Pradesh and West Bengal.

2381. *P. ovicola* Kofoed, 1903

Host : *Littorina (Littorinopsis) scabra scabra*, *Littorina melanostoma*; site of infection : buccal cavity, digestive gland, kidney.

Distribution : India.

Family HYSTEROGINETIDAE

Genus *Drilocineta* Raabe, 1972

2382. *D. perenyxi* Nair and Chakrabarti, 1975

Host : *Perionyx excavatus*; site of infection : intestine.

Distribution : India : West Bengal.

Genus *Ptychostomum* Stein, 1860

2383. *P. drawidi* Mandal and Nair, 1974

Host : *Drawida willsi*; site of infection : intestine.

Distribution : India : Orissa.

Incertane sedis

Genus *Parabursaria* Ghosh, 1921

2384. *P. pheretima* Ghosh, 1921

Host : *Pheretima posthuma*; site of infection : seminal vesicle.

Distribution : India : West Bengal.

Genus *Protoptychostomum* Raabe, 1949

2385. *P.* sp.

Host : *Perianyx sansibaricus*; site of infection : not mention.

Distribution : India : Maharashtra.

Family NUCLEOCORBULIDAE

Genus *Nucleocorbicula* Santhakumari and Nair, 1970

2386. *N. adherens* Santhakumari and Nair, 1970

Host : shipworm; site of infection :

Distribution : India.

Order ASTOMATIDA**Family ANOPLOPHRYIDAE**

Genus *Anoplophrya* Stein, 1860

2387. *A. aelosomatis* Anderson, 1989

Host : *Aelosoma chlorostichum*, *Metaphire posthuma*; site of infection : alimentary canal.

Distribution : India : West Bengal.

2388. *A. anili* Mukherjee and Chakrabarti, 1975

Host : *Perionyx excavatus*; site of infection : alimentary tract.

Distribution : India : West Bengal.

2389. *A. chauhani* Mukherjee and Chakrabarti, 1975

Host : *Perionyx excavatus*; site of infection : digestive tract.

Distribution : India : West Bengal.

2390. *A. cylindrica* Ghosh, 1922

Host : *Belamya bengalensis*; site of infection : intestine.

Distribution : India : West Bengal.

2391. *A. elongata* Ghosh, 1921

Host : Small freshwater gastropod; site of infection : rectum.

Distribution : India : West Bengal.

2392. *A. lloydi* Ghosh, 1918

Host : *Metaphire posthuma*; site of infection : seminal vesicles.

Distribution : India : West Bengal.

2393. *A. lumbrici* (Schrunk, 1803)

Host : *Pheretima peguyana*; site of infection : seminal vesicles.

Distribution : India : West Bengal.

2394. *A. marylandensis* Conklin, 1930

Host : *Eutyphoeus incommodus*; site of infection : gut.

Distribution : India : West Bengal.

2395. *A. pheretima* Raychaudhuri, Haldar and Chakravarty, 1969

Host : *Metaphire posthuma*; site of infection : gut.

Distribution : India : West Bengal.

2396. *A. variabilis* Ghosh, 1921

Host : Small freshwater gastropod; site of infection : intestine.

Distribution : India : West Bengal.

Genus *Kofoidea* Cepede, 1910

2397. *K. aplocheilusi* Rao, 1979

Host : *Aplocheilus melastigma*; site of infection : gills.

Distribution : India : Andhra Pradesh.

Family HOPLITOPHRYIDAE

Genus *Radiophryoides* Lom, 1956

2398. *R. puytoraci* Naidu, 1961

Host : *Aeolosoma travancorensis*; site of infection : gut.

Distribution : India : Andhra Pradesh and Kerala.

2399. *R. visakhapatnamensis* Joseph and Rao, 1980

Host : *Aeolosoma hyalinum*; site of infection : gut.

Distribution : India : Andhra Pradesh.

Family MAUPASELLIDAE

Genus *Maupasella* Cepede, 1910

2400. *M. nova* Cepede, 1910

Host : *Perionyx excavatus*; site of infection : digestive tract.

Distribution : India : West Bengal.

Subclass PERITRICHIA

Order PERITRICHIDA

Suborder SESSILINA

Family SCYPHIDIIDAE

Genus *Scyphidia* Durjadin, 1841

2401. *S. bengalensis* Jamadar and Choudhury, 1988

Host : *Cerithidea cingulata*; site of infection : mantle cavity and buccal mass.

Distribution : India : West Bengal.

2402. *S. pyriformis* Tripathi, 1954

Host : *Catla catla*, *Cirrhinus mrigala*, *Cirrhinus reba*, *Labeo rohita*; site of infection : skin, fins and gills.

Distribution : India : West Bengal.

2403. *S. ubiquita* Hirsfield, 1949

Host : *Littorina melanostoma*, *Littorina scabra scabra*; site of infection : mantle cavity and buccal mass.

Distribution : India : West Bengal.

Family VORTICELLIDAE

Genus *Paravorticella* Kahl, 1933

2404. *P. lycastis* Chakravarty, 1937

Host : Polychaete, *Lycastis indica*; site of infection : rectum.

Distribution : India : West Bengal.

Genus *Zoothamnium* Bory, 1826

2405. *Z. horai* Khajuria and Pillay, 1952

Host : *Mugil tade*; site of infection : scales.

Distribution : India :

2406. *Z. sp.*

Host : *Acentrogobius neilli*, *Therapon jarbua*; site of infection : body surface.

Distribution : India.

2407. *Z. sp.*

Host : *Penaeus monodon*; site of infection : body surface.

Distribution : India.

Family EPISTYLIDAE

Genus *Epistylis* Ehrenberg, 1830

2408. *E. sp.*

Host : *Penaeus monodon*; site of infection : body surface.

Distribution : India : West Bengal.

Suborder MOBILINA

Family TRICHODINIDAE

Genus *Trichodina* Ehrenberg, 1838

2409. *T. acuta* Lom, 1961

Host : *Ophiocara porocephala*; site of infection : gills.

Distribution : India.

2410. *T. cancilae* Asmat, 2001

Host : *Xenentodon cancila*; site of infection : gills.

Distribution : India : West Bengal.

2411. *T. canningensis* Asmat, 2001

Host : *Mystus gulio*; site of infection : gills.

Distribution : India : West Bengal

2412. *T. cuchiae* Asmat, 2000

Host : *Monopterus cuchia*; site of infection : gills.

Distribution : India.

2413. *T. cyanophlycti* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

2414. *T. domoerguei f. magna* Lom, 1960

Host : *Pseudocryphus (Pseudopocryptes) lanceolatus*; site of infection : gills.

Distribution : India : West Bengal.

2415. *T. gangetica* Jamadar and Choudhury. 1988

Host : *Modiolus striatulus*; site of infection : gills and labial palps.

Distribution : India : West Bengal.

2416. *T. giurusi* Mitra and Haldar, 2005

Host : *Glossogobius giuris*; site of infection : gills.

Distribution : India : West Bengal.

2417. *T. haldari* Mitra and Bandyopadhyay, 2006

Host : *Glossogobius giuris*; site of infection : gills.

Distribution : India : West Bengal.

2418. *T. indica* Tripathi, 1954

Host : *Labeo rohita*, *Labeo calbasu*, *Cirrhinus mrigala*, *Cirrhinus reba*, *Catla catla*, *Amblyophrynogodon mola*, *Chela bacaila*, *Channa gachua*, *Channa punctatus*, *Ambassis ranga*; site of infection : gills.

Distribution : India : West Bengal.

2419. *T. japonica* Imai *et al.*, 1991

Host : Indian fishes; site of infection : gills.

Distribution : India : West Bengal.

2420. *T. kalyaniensis* Ray and Choudhury, 2003

Host : *Rana cyanophlyctis*; site of infection : urinary bladder.

Distribution : India : West Bengal.

2421. *T. mola* Mitra and Haldar, 2005

Host : *Amblyophrynogodon mola*; site of infection : gills.

Distribution : India : West Bengal.

2422. *T. mukundai* Ray and Choudhury, 2003

Host : *Bufo melanostictus*; site of infection : gills and skin of tadpole.

Distribution : India : West Bengal.

2423. *T. mutabilis* Kazubski and Migala, 1968

Host : *Puntius sophore*, *Xenentodon cancila*; site of infection : gills

Distribution : India : West Bengal.

2424. *T. mystusi* Asmat and Haldar, 1998

Host : *Mystus gulio*; site of infection : gills.

Distribution : India : West Bengal.

2425. *T. nigra* Lom, 1960

Host : *Anabas testudineus*, *Chanda nama*, *Channa punctatus*, *Nandus nandus*, *Notopterus notopterus*, *Tilapia mossambica*, Major carps; site of infection : body surface and gills.

Distribution : India : West Bengal.

2426. *T. nolopteriadae* Mitra and Halder 2004
(Syn. *T. rotopteriadae* Mitra and Halder, 2004)

Host : *Notopterus notopterus*; site of infection : gills.

Distribution : India : West Bengal.

2427. *T. pediculus* Ehrenberg, 1838

Host : *Barbus chola*, *Barbus sarana*, *Barbus stigma*, medusa of *Lymnocyba indica*, Tadpole; site of infection : gills.

Distribution : India : Maharashtra, Karnataka, West Bengal.

2428. *T. porocephalus* Asmat, 2001

Host : *Ophiocara porocephala*; site of infection : gills.

Distribution : India : West Bengal.s

2429. *T. waltirensis* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana breviceps*, *Rana cyanophlyctis*; site of infection : urinary bladder.

Distribution : India : Andhra Pradesh.

2430. *T. reticulata* Hirschman and Partsch, 1935

Host : *Catla catla*; site of infection : gills.

Distribution : India : West Bengal.

2431. *T. sp.*

Host : *Ophicephalus punctatus*; site of infection : gills.

Distribution : India : West Bengal.

2432. *T. sp.*

Host : *Spheroides oblongus*; site of infection : gills.

Distribution : India : West Bengal.

2433. *T. sp.*

Host : *Tilapia mossambica*; site of infection : gills.

Distribution : India : West Bengal.

2434. *T. sp.*

Host : *Labeo rohita*; site of infection : gills.

Distribution : India : West Bengal.

2435. *T. sp.*

Host : *Labeo bata*; site of infection : gills.

Distribution : India : West Bengal.

2436. *T. sp.*

Host : *Cyprinus carpio*; site of infection : gills.

Distribution : India.

2437. *T. sp.*

Host : *Puntius sophore*; site of infection : gills.

Distribution : India : Himachal Pradesh.

2438. *T. sp.*

Host : *Catla catla*; site of infection : gills.

Distribution : India.

2439. *T. sp.*

Host : *Cirrhina mrigala*; site of infection : gills.

Distribution : India.

2440. *T. sp.*

Host : *Liza parsia*; site of infection : gills.

Distribution : India : West Bengal.

2441. *T. sp.*

Host : *Lates calcarifer*; site of infection : gills.

Distribution : India : West Bengal.

2442. *T. sp.*

Host : *Mystus gulio*; site of infection : gills.

Distribution : India : West Bengal.

2443. *T. sp.*

Host : *Glossogobius giuris*; site of infection : gills.

Distribution : India.

2444. *T. sp.*

Host : *Cryptozona semirugata*; site of infection : ?

Distribution : India : Tamil Nadu.

2445. *T. sp.*

Host : *Achatina fulica*; site of infection : ?

Distribution : India.

Genus *Paratrichodina* Lom, 1963

2446. *P. bassonae* Mitra and Bandhyopadhyay, 2006

Host : *Mystus cavasius*; site of infection : gills.

Distribution : India : West Bengal.

2447. *P. notopteriae* Saha, Bandyopadhyay and Haldar, 1995

Host : *Notopterus notopterus*; site of infection : gills.

Distribution : India : West Bengal.

Genus *Trichodinella* Sramex-Husex, 1953

2448. *T. epizootica* (Raabe, 1950)

Host : *Puatius ssrana*, *P. gelius*, *P. flueviatilis*, *cyprinur carpio*; site of infection : gills.

Distribution : India : West Bengal.

Genus *Tripartiella* Sramenk-Husek, 1953

2449. *T. bulbosa* (Davis, 1947)

Host : *Ambasis nama*, *Amblypharyngodon mola*, *Catla catla*, *Chanda nama*, *Cirrihinus mrigala*, *Ctenopharyngodon idella*, *Cyprinus carpio*, *Hypothalamichthys molitrix*, *Labeo rohita*, *Labeo bata*, Mrigal-Rohu hybrid, *Mystus bleekeri*, *Mystus vittatus*, *Puntius sophore*; site of infection : gills.

Distribution : India : West Bengal.

2450. *T. bursiformis* (Davis, 1947)

Host : *Xenentodon canila*; site of infection : gills.

Distribution : India : West Bengal.

2451. *T. copiosa* Lom, 1959

Host : Catla-Rohu hybrid, *Cyprinus carpio*, *Labeo bata*, *Labeo rohita*; site of infection : gills.

Distribution : India : West Bengal.

2452. *T. kashkovskyi* (Lom and Haldar, 1977)

Host : *Pangasius pangasius*; site of infection : gills.

Distribution : India : West Bengal.

2453. *T. indica* Tripathi, 1952

Host : *Ambassis nama*, *Ambassis ranga*, *Amblypharyngodon mola*, *Barbus carnaticus*, *Catla catla*, *Chela bacaila*, *Cirrhinus mrigala*, *Cirrhinus reba*, *Mystus aor*, *Ophicephalus gachua*, *Ophicephalus marulius*, *Ophicephalus punctatus*; site of infection : gills.

Distribution : India : West Bengal.

2454. *T. obtusa* (Ergens and Lom, 1970)

Host : *Ctenopharyngodon idella*, *Gadusia chapra*; site of infection : gills.

Distribution : India : West Bengal.

2455. *T. sp.*

Host : *Catla catla*; site of infection : gills.

Distribution : India : West Bengal.

2456. *T. sp.*

Host : *Hypothalamichthys molitrix*; site of infection : gills.

Distribution : India : West Bengal.

Genus *Cyclochaeta* Jackson2457. *C. sp.*

Host : Pond fish; site of infection : ?

Distribution : India :

Class POLYHYMENOPHOREA

Subclass SPIROTRICHA

Order HETEROTRICHIDA

Suborder CLEVELANDELLINA

Family NYCTOTHERIDAE

Genus *Nyctotherus* Leidy, 18492458. *N. chatterjeei* Chakravarty and Chatterjee, 1957

Host : *Gryllotalpa vulgaris*; site of infection : rectum.

Distribution : India : West Bengal.

2459. *N. cochlearis* Uttangi, 1948

Host : *Rana curtipes*; site of infection : rectum.

Distribution : India : Karnataka.

2460. *N. fletcheri* de Mello, 1919

Host : *Heterotermes indicola*; site of infection : gut.

Distribution : India : Goa.

2461. *N. hardwicki* Janakidevi, 1961

Host : *Uromastix hardwicki*; site of infection : rectum.

Distribution : India : Maharashtra.

2462. *N. kalii* Uttangi, 1950

Host : *Rana curtipes*; site of infection : rectum.

Distribution : India : Karnataka.

2463. *N. ovalis* Leidy, 1849

Host : *Periplaneta americana*, *Gryllotalpa vulgaris*; site of infection : midgut and hindgut.

Distribution : India : Goa, Manipur, Meghalaya, Punjab, West Bengal.

2464. *N. papilalatus* de Mello, 1932

Host : *R. maculatus*; site of infection : rectum.

Distribution : India : Goa.

2465. *N. pyriformis* Chakravarty and Chatterjee, 1957

Host : *Gryllotalpa vulgaris*; site of infection : rectum.

Distribution : India : West Bengal.

Species inquirendae of the genus Nyctotherus

2466. *N. breviceps* Uttangi, 1958

Host : *Rana (Temopterna) breviceps*; site of infection : rectum.

Distribution : India : Karnataka.

2467. *N. bufonis* Uttangi, 1958

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Karnataka.

2468. *N. curtipes* Uttangi, 1958

Host : *Rana curtipes*; site of infection : rectum.

Distribution : India : Karnataka.

2469. *N. diplopodae* Karandikar and Rodgi, 1956

Host : *Thyropygus nigrolabiatus*; site of infection : intestine.

Distribution : India : Karnataka.

2470. *N. gongylorrhhus* Karandikar and Rodgi, 1956

Host : *Gongulorus* sp.; site of infection : intestine.

Distribution : India : Karnataka.

2471. *N. indica* Bhaskar Rao, 1969

Host : *Corydea petiveriana*; site of infection : intestine.

Distribution : India : Andhra Pradesh.

2472. *N. kemp* Ghosh, 1921

Host : *Pila globosa*; site of infection : rectum.

Distribution : India : West Bengal.

2473. *N. limnocharis* Uttangi, 1958

Host : *Rana bimmocharis*; site of infection : rectum.

Distribution : India : Karnataka.

2474. *N. reniformis* Bhatia and Gulati, 1927

Host : *Rana hexadactyla*; site of infection : rectum.

Distribution : India : Karnataka.

2475. *N. systoma* Utangi, 1958

Host : *Uperodon systoma*; site of infection : rectum.

Distribution : India : Karnataka.

2476. *N. thyropygus* Karandikar and Rodgi, 1956

Host : *Thyropygus* sp. : site of infection : intestine.

Distribution : India : Karnataka.

2477. *N. sp.*

Host : *Polyphaga indica*; site of infection : rectum.

Distribution : India : Maharashtra.

Genus *Nyctotheroides* Grasse, 19282478. *N. bengalensis* Ray and Choudhury, 2002

Host : *Rana tigrina*, *Kaloula pulchra*, *Microhyla ornata*; site of infection : rectum.

Distribution : India : West Bengal.

2479. *N. bhatiae* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana limnocharis*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

2480. *N. cacopusi* (Uttangi, 1951)

Host : *Uperodon systoma*; site of infection : rectum.

Distribution : India : Karnataka.

2481. *N. cordiformis* (Ehrenberg, 1838)

(Syn. *Nyctotherus cordiformis*)

Host : *Rana cyanophlyctis*, *R. limnocharis*, *R. malabarica*, *R. tigrina*, *Micrixalus saxicola*, *M. opisthorhodus*, *Bufo melanostictus*; site of infection : intestine, rectum and cloaca.

Distribution : India : Andhra Pradesh, Arunachal Pradesh, Meghalaya, Manipur, Rajasthan, Goa, Karnataka and West Bengal.

2482. *N. foliatus* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana breviceps*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

2483. *N. hexadactyli* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana hexadactyla*; site of infection : colon and rectum.

Distribution : India : Andhra Pradesh.

2484. *N. kaloulae* Ray and Choudhury, 1992

Host : *Kaloula pulchra*; site of infection : rectum.

Distribution : India : West Bengal.

2485. *N. ornatae* Ray and Choudhury, 2002

Host : *Microhyla ornata*, *Rana limnocharis*, *Rhacophorus maculatus*; site of infection : rectum.

Distribution : India : West Bengal.

2486. *N. papillatus* Dobell, 1910

Host : *Bufo melanostictus*, *Rhacophorus maculatus*; site of infection : rectum.

Distribution : India : Karnataka.

2487. *N. ranae* Ray and Choudhury, 2002

Host : *Rana tigrina crassa*; site of infection : rectum.

Distribution : India : West Bengal.

2488. *N. reniformis* (Bhatia and Gulati, 1927)

Host : *Rana hexadactyla*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

2489. *N. rhacophori* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rhacophorus maculatus*; site of infection : colon.

Distribution : India : Andhra Pradesh.

2490. *N. sundarbanensis* Ray and Choudhury, 1992

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : West Bengal.

2491. *N. waltairensis* Usharani and Narasimhamurti, 1981

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

Subgenus *Nyctotheroides*, Grasse, 19282492. *N. (N.) ameroi* Shete, 1982

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

2493. *N. (N.) indicum* Shete, 1982

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Maharashtra.

2494. *N. (N.) ratnagiriensis* Shete, 1982

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

Subgenus *Aduncuperistomatus* Amaro and Sena, 19682495. *N. (A.) aurangabadensis* Shete, 1982

Host : *Bufo meanstictus*; site of infection : rectum.

Distribution : India : Maharashtra

2496. *N. (A.) cyanophlyctis* Shete, 1982

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Maharashtra.

2497. *N. (A.) marathwadensis* Shete, 1982

Host : *Rana tigrina*; site of infection : rectum.

Distribution : India : Maharashtra..

2498. *N. (A.) melanosticti* Shete, 1982

Host : *Bufo melanostictus*; site of infection : rectum.

Distribution : India : Maharashtra.

Family SICUOPHORIDAE

Genus *Metasicuophora* Albert, 19732499. *M. cyanophlycti* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana cyanophlyctis*; site of infection : colon.

Distribution : India : Andhra Pradesh.

2500. *M. melanosticti* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Bufo melanostictus*; site of infection : intestine and colon.

Distribution : India : Andhra Pradesh.

Genus *Prosicuophora* de Puytorac and Oktem, 1967

2501. *P. andhrae* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

2502. *P. hexadactyli* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana hexadactyla*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

Genus *Sicuophora* de Puytorac and Grain, 1969

2503. *S. fragilis* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana cyanophlyctis*, *Rana hexadactyla*; site of infection : colon.

Distribution : India : Andhra Pradesh.

2504. *S. levinei* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana cyanophlyctis*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

2505. *S. limnochari* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana cyanophlyctis*, *Rana limnocharis*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

2506. *S. magna* (Bezenberger, 1904)

(Syn. *Nyctotherus magnus*)

Host : *Rana cyanophlyctis*, *Rana limnocharis*, *R. temporalis*, *Micrixalus saxicola*; site of infection : rectum.

Distribution : India : Karnataka.

2507. *S. malabaricus* (Amaro and Sena, 1967)

(Syn. *Nyctotherus magnus* var. *malabarica*)

Host : *Rana limnocharis*, *R. leptodactyla*, *R. temporalis*, *Micrixalus saxicola*; site of infection : rectum.

Distribution : India : Karnataka.

2508. *S. macropharyngea* (Bezenberger, 1904)(Syn. *Nyctotherus macropharyngeus*)

Host : *Rana cyanophlyctis*, *R. breviceps*, *R. leptodactyla*, *R. temporalis*, *R. trigina*, *Micrixalus saxicola*, *M. opisthordus*, *Bufo melanostictus*; site of infection : colon.

Distribution : India : Andhra Pradesh, Manipur, Maharastra, Meghalaya, Rajasthan Karnataka and West Bengal.

2509. *S. ranae* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana cyanophlyctis*, *Rana hexadactyla*, *Rana limnocharis*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

2510. *S. puytoraci* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana breviceps*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

2511. *S. waltirensis* Kalavati, Narasimhamurti and Usharani, 1991

Host : *Rana breviceps*, *Rana cyanophlyctis*, *Rana limnocharis*; site of infection : rectum.

Distribution : India : Andhra Pradesh.

Family INFEROSTOMATIDAE

Genus *Ichthyonyctus* Jankowski, 19742512. *I. barbui* (Devraj, 1971)(Syn. *Nyctotherus barbui*)

Host : *Barbus carnaticus*, *Barbus hexagonalepis*, *Barbus sarana*; site of infection : intestine.

Distribution : India : Karnataka.

2513. *I. pangasia* (Tripathi, 1954)(Syn. *Nyctotherus pangasia*)

Host : *Pangasius pangasius*; site of infection : intestine.

Distribution : India.

Family CLEVELANDELLIDAE

Genus *Metaclevelandella* Uttangi and Desai, 19632514. *M. termitis* Uttangi and Desai, 1963

Host : *Capritermes incola*; site of infection : gut.

Distribution : India : Karnataka.

Genus *Clevelandella* Kidder, 19382515. *C. kidderi* Mandal and Nair, 1974

Host : *Panesthia* sp.; site of infection : rectum.

Distribution : India : Andaman Islands.

Family NATHELLIDAE

Genus *Nathella* Sinha, 1953

2516. *N. kumari* Singh, 1953

Host : *Mystus cavasius*; site of infection :

Distribution : India : Punjab.

2517. *N. rayi* Singh, 1953

Host : *Mystus cavasius*; site of infection :

Distribution : India : Punjab.

Suborder PLAGIOTOMINA

Family PAGIOTOMIDAE

Genus *Plagistoma* Dujardin 1984

2518. *P. dichogasteri* Mandal and Nair, 1975

Host : *Dichogaster bolau*; site of infection : intestine.

Distribution : India : Orissa.

2519. *P. pelogasteri* Mandal and Nair, 1976

Host : *Pelegaster bengalensis* ; site of infection : intestine.

Distribution : India : Orissa.

Part B. SYMBIOTIC PROTOZOA

I. Termite flagellates

Phylum SARCOMASTIGOPHORA Honigberg and Balmuth, 1963

Subphylum MASTIGOPHORA Diesing, 1866

Class ZOOMASTIGOPHOREA Calkins, 1909

Order OXYMONADIDA Grassé, 1952

Family OXYMONADIDAE Kirby, 1928

Subfamily OXYMONADINAE Cleveland, 1934; Kirby, 1937 emend.

Genus *Oxymonas* Janicki, 1915

1. *Oxymonas bengalensis* Das, 1974

Type Host : *Cryptotermes havilandi*; loc., West Bengal : India.

2. *Oxymonas bosei* Das 1974

Type host : *Neotermes bosei*; loc., West Bengal : India.

Other Indian hosts : *Cryptotermes havilandi*; loc., Bihar and Nagaland : India; *Cryptotermes dudleyi*; loc., Andhra Pradesh : India.

3. *Oxymonas grandis* Cleveland, 1935

Indian hosts : *Cryptotermes dudleyi*; loc., Andhra Pradesh : India; *Cryptotermes havilandi*; loc., Bihar and Nagaland : India; *Neotermes assamensis*; loc., Assam, India; *Neotermes bosei*, loc., West Bengal : India.

4. *Oxymonas parvula* Kirby, 1926

Indian host : *Cryptotermes havilandi*; loc., West Bengal : India.

Genus *Microrhopalodina* Grassi and Foa, 1911

(= *Proboscidiella* Kofoid and Sweezy, 1926)

5. *Microrhopalodina hoffmanni* (De Mello and De Mello, 1944) Cross, 1946

(= *Proboscidiella hoffmanni* De Mello and De Mello, 1944)

Type host : "Indian *Cryptotermes*" (exact locality not reported).

Family PYRSONYMPHIDAE Grassi, 1892

Genus *Dinenympha* Leidy, 1877

6. *Dinenympha exilis* Koidzumi, 1921

Indian host : *Reticulitermes assamensis*; loc.; Meghalaya, Nagaland and Sikkim : India.

7. *Dinenympha leidy* Koidzumi, 1921

Indian host : *Reticulitermes assamensis*; loc. Meghalaya, Nagaland and Sikkim : India.

8. *Dinenympha mukundai* Mukherjee and Maiti, 1989

Type host : *Reticulitermes tirapi*; loc., Arunachal Pradesh : India.

9. *Dinenympha nobilis* Koidzumi, 1921

Indian hosts : *Reticulitermes assamensis*; loc., Meghalaya, Nagaland and Sikkim : India; *Reticulitermes tirapi*, loc., Arunachal Pradesh : India.

10. *Dinenympha parva* Koidzumi, 1921

Indian host : *Reticulitermes assamensis*; loc., Meghalaya and Sikkim : India.

11. *Dinenympha porteri* Koidzumi, 1921

Indian hosts : *Reticulitermes assamensis*; loc., Meghalaya : India; *Reticulitermes tirapi*; loc. Arunachal Pradesh, India.

12. *Dinenympha rayi* Mukherjee and Maiti, 1989

Type host : *Reticulitermes tirapi*; loc., Arunachal Pradesh : India.

13. *Dinenympha rugosa* Koidzumi, 1921

Indian host : *Reticulitermes assamensis*; loc., Meghalaya, Nagaland and Sikkim : India.

Genus *Pyrsonympha* Leidy, 1877

14. *Pyrsonympha grandis* Koidzumi, 1921

Indian hosts : *Reticulitermes assamensis* ; loc., Meghalaya, Nagaland and Sikkim : India; *Reticulitermes tirapi*; loc., Arunachal Pradesh : India.

15. *Pyrsonympha granulata* Powell, 1928

Indian hosts : *Reticulitermes assamensis*; loc., Meghalaya, India; *Reticulitermes tirapi*, loc., Arunachal Pradesh, India.

16. *Pyrsonympha modesta* Koidzumi, 1921

Indian host : *Reticulitermes assamensis*; loc., Meghalaya, Nagaland and Sikkim : India.

17. *Pyrsonympha rostrata* Mukherjee and Maiti, 1988

Type host : *Reticulitermes tirapi*; loc., Arunachal Pradesh : India.

18. *Pyrsonympha tirapi* Mukherjee and Maiti, 1988

Type host : *Reticulitermes tirapi*; loc., Arunachal Pradesh : India.

Order TRICHOMONANDIDA Kirby, 1947

Family MONOCERCOMONADIDAE Kirby, 1944

Genus *Hexamastix* Alexeieff, 1912

19. *Hexamastix indica* De Mello, 1946

Type host : *Cryptotermes* sp., loc.; Goa : India.

Genus *Tricercomitus* Kirby, 1930

20. *Tricercomitus damasmorai* De Mello, 1946

Type host : *Cryptotermes* sp., loc.; Goa : India.

21. *Tricercomitus divergens* Kirby, 1930 (= *Pyrsonympha havilandi* Das, 1972)

Indian hosts : *Cryptotermes havilandi*; loc., West Bengal : India; *Cryptotermes* sp., loc., Goa : India; *Neotermes andamanensis*; loc., South Andaman : India.

22. *Tricercomitus sokheyi* De Mello, 1942

Type host : *Anacanthotermes viarum* (= *Hodotermes viarum*); loc., Tamil Nadu : India.

Family DEVESCOVINIDAE Doflein, 1911

Subfamily DEVESCOVININAE Doflein, 1911 emend. Kirby, 1931

Genus *Caduceia* Franca, 1918

23. *Caduceia bugnioni* Kirby, 1942

Indian host : *Neotermes dhirendrae*; loc., Chennai, India.

24. *Caduceia kalshoveni* Kirby, 1942

Indian hosts : *Neotermes andamanensis*; loc., South Andaman : India; *Neotermes bosei*; loc. Bihar : India.

25. *Caduceia theobromae* Franca, 1918

Indian host : *Neotermes bosei*; loc., Uttarakhand, India.

Genus *Devescovina* Foa, 190526. *Devescovina arta* Kirby, 1941

Indian hosts : *Glyptotermes caudomunitus*; loc., Bihar and West Bengal : India; *Neotermes andamanensis*; loc., South Andaman : India.

27. *Devescovina cometoides* De Mello and De Brito, 1929

Type host : *Kalotermes* sp., loc., Daman : India.

Other Indian host : *Glyptotermes caudomunitus*; loc., Bihar and West Bengal : India.

28. *Devescovina glabra* Grassi, 1917

Indian hosts : *Cryptotermes dudleyi*; loc. Andhra Pradesh and Tripura : India; *Cryptotermes havilandi*; loc., Nagaland and West Bengal : India; *Neotermes bosei*, loc., Uttarakhand, India.

29. *Devescovina gyrinoides* De Mello, 1946

Type host : *Cryptotermes* sp., loc., Goa : India.

30. *Devescovina lemniscata* Kirby, 1926

(= *Devescovina damanensis* De Mello and De Mello, 1929)

Indian hosts : *Cryptotermes dudleyi*; loc., Andhra Pradesh and Tripura : India; *Cryptotermes havilandi*; loc., Bihar, Nagaland and West Bengal : India; *Kalotermes* sp., loc., Daman : India; *Neotermes assamensis*; loc., Assam, India; *Neotermes bosei*; loc., Uttarakhand, India.

31. *Devescovina parasoma* Kirby, 1941

Indian hosts : *Neotermes andamanensis*; loc., South Andaman : India ; *Neotermes assamensis*; loc., Assam: India; *Neotermes bosei*; loc., Uttarakhand : India.

32. *Devescovina similis* Kirby, 1941

Indian host : *Neotermes bosei*; loc., Uttarakhand, India.

33. *Devescovina steini* Das, 1974

Indian host : *Cryptotermes havilandi*; loc., West Bengal, India.

Genus *Foaina* Janicki, 191534. *Foaina costata* Kirby, 1941

Indian host : *Neotermes dhirendrae*; loc., Chennai, India.

35. *Foaina exempta* Kirby, 1941

Indian hosts : *Neotermes bosei*; loc., Uttarakhand, India.

36. *Foaina gracilis* Janicki, 1915

Indian host : *Neotermes dhirendrae*; loc., Chennai, India.

37. *Foaina nana* (Kirby, 1926) Kirby, 1942

(= *Devescovina kirbyi* De Mello and De Brito, 1929 (*partim*))

Indian hosts : *Cryptotermes havilandi*; loc., West Bengal : India; *Cryptotermes* sp., loc., Daman : India, (= *Coptotermes heimi sensu* De Mello and De Brito); *Neotermes andamanensis*; loc., South Andaman : India.

38. *Foaina reflexa* Kirby, 1942

Indian hosts : *Cryptotermes dudleyi*; loc., Andhra Pradesh and Tripura : India; *Cryptotermes havilandi*; loc., Nagaland and West Bengal : India; *Neotermes andamanensis*; South Andaman : India; *Neotermes bosei*; Bihar : India.

39. *Foaina solita* Kirby, 1942

(= *Devescovina kirbyi* De Mello and De Brito, 1929 (*partim*))

Indian hosts : *Cryptotermes dudleyi*; loc., Andhra Pradesh and Tripura : India; *Cryptotermes havilandi*; loc., Bihar, Nagaland and West Bengal : India; *Cryptotermes* sp., loc., Daman : India.

Genus *Polymastigoides* Grassé and Hollande, 195140. *Polymastigoides elongata* (Bernstein, 1928) Grassé and Hollande, 1951

(= *Strobilonympha schizophyla* De Mello and Monteiro, 1942)

(= *Strobilonympha pisciformis* De Mello and Monteiro, 1942)

(= *Strobilonympha serpentiformis* De Mello and Monteriro, 1942)

Indian host : *Anacanthotermes viarum* (= *Hodotermes viarum*); loc., Tamil Nadu : India.

Subfamily GIGANTOMONADINAE Kirby, 1946

Genus *Macrotrichomonas* Grassi, 191741. *Macrotrichomonas pulchra* Grassi, 1917

Indian host : *Glypotermes caudomunitus*; loc., Bihar : India.

Family CALONYMPHIDAE Grassi and Foa, 1911

Genus *Stephanonympha* Janicki, 1911

(= *Metastephanonympha* De Mello and De Brito, 1929)

42. *Stephanonympha campinae* De Mello, 1954

Indian host : *Neotermes bosei*; loc., Uttarakhand, India.

43. *Stephanonympha minuta* Das and Choudhury, 1972

Type host : *Neotermes bosei*; loc., West Bengal : India.

Other Indian hosts : *Cryptotermes dudleyi*; loc., Andhra Pradesh : India; *Cryptotermes havilandi*; loc., Bihar and Nagaland : India; *Neotermus assamensis*; loc., Assam : India.

44. *Stephanonympha perronciti* (De Mello and De Brito, 1929) Kirby, 1937

(= *Metastephanonympha perronciti* De Mello and De Brito, 1929)

Type host : *Cryptotermes* sp.; Daman : India (= *Coptotermes heimi sensu* De Mello and De Brito).

45. *Stephanonympha pyriformis* Das and Choudhury, 1972

Type host : *Cryptotermes havilandi*; loc., West Bengal and Nagaland : India.

Other Indian hosts : *Cryptotermes dudleyi*; loc., Andhra Pradesh and Tripura : India; *Neotermes bosei*; loc., West Bengal : India.

46. *Stephanonympha reenstiernai* De Mello, 1946

Type host : *Cryptotermes* sp.; loc., Goa : India.

Other Indian host : *Neotermes dhirendrae*; loc. Chennai, India.

47. *Stephanonympha silvestrii* Janicki, 1911

(= *Stephanonympha havilandi* Kirby, 1926)

Indian hosts : *Cryptotermes dudleyi*; loc., Andhra Pradesh and Tripura : India; *Cryptotermes havilandi*; loc., Bihar, Nagaland and West Bengal : India; *Neotermes andamanensis*; loc., South Andaman : India; *Neotermes assamensis* ; loc., Assam, India; *Neotermes dhirendrae*; loc., Chennai, India.

Family TRICHOMONADIDAE Chalmers and Pekkola, 1918 emend. Honigberg, 1963

Genus *Trichomonas* Donné, 1836

48. *Trichomonas costulata* De Mello, 1946

Type host : *Cryptotermes* sp.; loc., Goa : India.

Subfamily TRICHOMITOPSIINAE Brugerolle, 1976

Genus *Trichomitopsis* Kofoid and Swezy, 1919

(= *Ditrichomonas* Cutler, 1919)

49. *Trichomitopsis cartagoensis* (Kriby, 1931) Honigberg, 1963

Indian hosts : *Neotermes assamensis*; loc., Assam : India; *Neotermes bosei*; loc. Uttarakhand India; *Neotermes dhirendrae*; loc., Chennai, India.

50. *Trichomitopsis termitis* (Imms in Cutler, 1919) Honigberg, 1963

(= *Ditrichomonas termitis* Imms in Cutler, 1919)

(= *Trichomonas termitis* Imms, 1919)

Type host : *Archotermopsis wroughtoni*; loc., India, (exact locality not mentioned).

Order HYPERMASTIGIDA Grassi and Foa, 1911

Suborder LOPHOMONADINA Light, 1927

Family JOENIIDAE Janicki, 1915

Genus *Joenopsis* Cutler, 1920

51. *Joenopsis polytricha* Cutler, 1920

Type host : *Archotermopsis wroughtoni*; loc., India; (exact locality not mentioned).

Genus *Parajoenopsis* Saleem, 1952

52. *Parajoenopsis cephalotricha* (Cutler, 1920) Saleem, 1952

(= *Joemopsis cephalotricha* Cutler, 1920)

Type host : *Archotermopsis wroughtoni*; loc., India; (exact locality not mentioned).

Suborder SPIROTRICHONYMPHINA Grassé, 1952

Family HOLOMASTIGOTIDAE Janicki, 1915

Genus *Holomastigotoides* Grassi and Foa, 1911**

53. *Holomastigotoides bengalensis* Chakravarty and Banerjee, 1956

Type host : *Heterotermes indicola* (= *Heterotermes* sp. sensu Chakravarty and Banerjee, 1956) (see Das, 1976); loc.; West Bengal : India.

Other hosts : *Coptotermes heimi*; loc., Andhra Pradesh, Bihar, Uttar Pradesh and West Bengal : India; *Coptotermes travians*; loc., Nagaland, Sikkim and Tripura : India.

54. *Holomastigotoides campanula* (De Mello, 1921) De Mello, 1927

(= *Leidya campanula* De Mello, 1921)

Type host : *Heterotermes indicola* (= *Leucotermes indicola*); loc., Diu, West Bengal : India.

Other hosts : *Coptotermes heimi*; loc., Andhra Pradesh, Bihar and Karnataka : India; *Coptotermes travians*; loc., Nagaland, Sikkim and Tripura : India; *Coptotermes* sp.; loc., Goa : India; *Heterotermes malabaricus*; loc., Karnataka : India.

55. *Holomastigotoides cingulatum* Bernstein, 1928 var. *coimbatorensis*

De Mello and De Mello, 1942.

Type host (for the variety) : *Anacanthotermes viarum* (= *Hodotermes viarum*); loc., Tamil Nadu : India.

56. *Holomastigotoides dharwarensis* Karandikar and Vittal, 1954

Type hosts : *Coptotermes heimi*; loc., Karnataka : India; *Heterotermes malabaricus*; loc., Karnataka : India.

**Two species of *Holomastigotoides*, reported as new by Narain (1956 a, b), viz., *H. rostrata* and *H. truncata* are excluded from the synoptic list as their status is *nomen nudum* (See Das, 2007).

57. *Holomastigotoides elongata* Uttangi, 1962

Type host : *Coptotermes heimi*; loc., Maharashtra and Karnataka : India.

58. *Holomastigotoides emersoni* Das, 1976

Type host : *Coptotermes heimi*; loc., Andhra Pradesh, Bihar and West Bengal : India.

Other Indian host : *Coptotermes travians*; loc., Nagaland : India.

59. *Holomastigotoides gigas* De Mello, 1929

Type host : *Heterotermes indicola* (= *Leucotermes indicola*); loc., Goa : India.

60. *Holomastigotoides globosus* De Mello, 1937

Type hosts : *Heterotermes* sp.; loc., Diu : India ; *Coptotermes* sp., loc., Daman : India.

Other Indian hosts : *Coptotermes travians*; loc., Tripura : India; *Heterotermes indicola*; loc., West Bengal : India; *Heterotermes malabaricus*; loc., Karnataka : India.

60a. *Holomastigotoides globosus* De Mello, 1937 var. *britoi* De Mello, 1937

Type host : *Coptotermes* sp.; loc., Daman : India.

61. *Holomastigotoides grassii* (De Mello, 1919) Grassé and Hollande, 1963

Type host : *Heterotermes indicola* (= *Leucotermes indicola*); Daman ; India.

Other Indian host : *Coptotermes* sp., loc., Daman : India.

62. *Holomastigotoides hemigymnum* Grassi, 1917

(= *Leidya annandali* De Mello, 1919)

(= *Holomastigotoides annandalei* (De Mello) De Mello, 1929)

Indian hosts : *Heterotermes indicola* (= *Leucotermes indicola*); loc., Daman, Goa : India, *Heterotermes malabaricus*; Karnataka : India.

62a. *Holomastigotoies hemigymnum* Grassi var. *indica* (De Mello, 1919) Das, 2007

(= *Leidya kempi* De Mello, 1919)

(= *Holomastigotoides hartmanni* var. *indica* De Mello, 1928)

Type host : *Heterotermes indicola* (= *Leucotermes indicola*); loc., Daman and Goa : India.

Other Indian hosts : *Coptotermes* sp.; loc., Daman : India; *Heterotermes malabaricus*; loc., Karnataka : India.

63. *Holomastigotoides hollandei* Das, 1976

Type host : *Heterotermes indicola*; loc., Bihar and West Bengal (type locality) : India.

Other Indian host : *Coptotermes travians*; loc., Nagaland : India.

64. *Holomastigotoides inexpectatus* De Mello, 1937

Type host : *Heterotermes indicola* (= *Leucotermes indicola*); loc., Diu and Goa : India.

65. *Holomastigotoides koidzumii* De Mello, 1929

Type host : *Heterotermes indicola* (= *Leucotermes indicola*); loc., Goa : India.

66. *Holomastigotoides magnus* Uttangi, 1962

Type host : *Heterotermes indicola*; loc., Gujarat (type locality), West Bengal : India.

Other Indian hosts : *Coptotermes heimi*; loc., Andhra Pradesh : India; *Coptotermes travians*, Assam, Nagaland, Sikkim and Tripura : India.

67. *Holomastigotoides melloi* Uttangi, 1962

Type host : *Heterotermes indicola*; loc., Gujarat : India.

68. *Holomastigotoides mirabile* Grassi, 1917

(= *Holomastigotoides hartmanni* Koidzumi, 1921)

Indian host : *Coptotermes heimi*; loc., West Bengal : India.

68a. *Holomastigotoides mirabile* Grassi, 1917 var. *katiawarensis*

(De Mello, 1937) Das, 1983

(= *Holomastigotoides hartmanni* Koidzumi, 1921 var. *katiawarensis* De Mello, 1937)

Type host : *Heterotermes indicola* (= *Leucotermes indicola*); loc., Goa : India; Undetermined termite; loc., Diu : India.

Other Indian hosts : *Heterotermes malabaricus*; loc., Karnataka : India; *Coptotermes heimi*; loc., Karnataka : India.

68b. *Holomastigotoides mirabile* Grassi, 1917 var. *margabhandui*

De Mello and De Mello, 1942

Type host : *Anacanthotermes viarum* (= *Hodotermes viarum*); loc., Tamil Nadu : India.

69. *Holomastigotoides ogivalis* De Mello, 1937

Type host : *Coptotermes* sp.; loc., Daman : India.

Other Indian hosts : *Coptotermes heimi*; loc., Bihar, Karnataka, Uttar Pradesh and West Bengal : India; *Coptotermes travians*; loc., Nagaland, Sikkim and Tripura : India; *Heterotermes indicola*; loc., West Bengal, India.

70. *Holomastigotoides operculatum* De Mello, 1949

Type host : Undetermined; loc., India (exact locality not mentioned).

71. *Holomastigotoides ovalis* Uttangi, 1962

Type host : *Heterotermes indicola*; loc., Bihar and Gujarat : India.

Other Indian hosts : *Coptotermes heimi*; loc., Andhra Pradesh : India; *Coptotermes travians*; loc., Nagaland and Tripura : India.

72. *Holomastigotoides piriformis* De Mello, 1937

Type hosts : *Coptotermes* sp.; loc., Daman : India; *Heterotermes indicola* (= *Leucotermes indicola*); loc., Diu and Goa : India.

73. *Holomastigotoides proboscifer* De Mello and De Mello, 1942

Type host : *Anacanthotermes viarum* (= *Hodotermes viarum*); loc., Tamil Nadu : India.

74. *Holomastigotoides rayi* Karandikar and Vittal, 1954

Type host : *Coptotermes heimi*; loc., Andhra Pradesh, Karnataka and West Bengal : India.

Other Indian hosts : *Coptotermes travians*; loc., Nagaland, Sikkim, and Tripura : India; *Heterotermes indicola*; loc., Bihar : India.

75. *Holomastigotoides reniformis* De Mello, 1937

Type hosts : *Coptotermes* sp.; loc., Daman : India.

Other Indian hosts : *Coptotermes heimi*; loc., Andhra Pradesh, Bihar and West Bengal : India; *Coptotermes travians*; loc., Nagaland, Sikkim and Tripura : India.

76. *Holomastigotoides saccusiformis* Uttangi, 1962

Type host : *Heterotermes indicola*; loc., Gujarat : India.

77. *Holomastigotoides sphaeroidalis* De Mello, 1937

Type hosts : *Coptotermes* sp.; loc., Daman : India; *Heterotermes indicola* (= *Leucotermes indicola*); loc., Goa and West Bengal : India.

Other Indian hosts; *Coptotermes heimi*; loc., Andhra Pradesh, Bihar, Karnataka and Uttar pradesh : India; *Coptotermes travians*; loc., Tripura, Sikkim and Nagaland : India; *Heterotermes malabaricus*; loc., Karnataka : India.

78. *Holomastigotoides turboformis* Uttangi, 1962

Type host : *Coptotermes heimi*; loc., Maharashtra and Karnataka : India.

79. *Holomastigotoides visnagarensis* Uttangi, 1962

Type host : *Heterotermes indicola*; loc., Gujarat : India.

Family SPIROTRICHONYMPHIDAE Grassi, 1917

Genus *Microjoenia* Grassi, 1892

80. *Microjoenia axostylis* Cutter, 1920

Type host : *Archotermopsis wroughtoni*; loc., India (exact locality not mentioned).

Genus *Spirotrichonympha* Grassi and Foa, 1911

81. *Spirotrichonympha bhadreshwarensis* Tiwari, 1977

Type host : *Coptotermes heimi*; loc., West Bengal and Bihar : India.

82. *Spirotrichonympha coimbatorensis* De Mello, 1941

Type host : *Anacanthotermes viarum* (= *Hodoermes viarum*); loc., Tamil Nadu : India.

83. *Spirotrichonympha elongata* Grassi, 1917

Indian hosts : *Coptotermes heimi*; loc., Karnataka : India; *Coptotermes* sp., loc., Daman : India.

84. *Spirotrichonympha flagellata* (Grassi, 1892) Grassi and Foa, 1911

Indian hosts : *Coptotermes heimi*; loc., Karnataka and West Bengal : India; *Heterotermes indicola*; loc., Goa and West Bengal : India.

85. *Spirotrichonympha froilanoi* Karandikar and Vittal, 1954

Type hosts : *Coptotermes heimi*; loc., Andhra Pradesh, Karnataka (type locality), Uttar Pradesh and West Bengal : India; *Heterotermes malabaricus*; loc., Karnataka : India.

Other Indian hosts : *Coptotermes travians*; loc., Nagaland, Sikkim and Tripura : India; *Heterotermes indicola*; loc., Bihar and Tripura : India.

86. *Spirotrichonympha karnatak* Karandikar and Vittal, 1954

Type host : *Coptotermes heimi*; loc., Karnataka : India.

87. *Spirotrichonympha leidy* Koidzumi, 1921

Indian host : *Heterotermes indicola* (= *Leucotermes indicola*); loc., Daman : India.

87a. *Spirotrichonympha leidy* Koidzumi, 1921 var. *damanensis* De Mello, 1937

Type host : *Heterotermes indicola*; loc., Diu : India.

88. *Spirotrichonympha mirabilis* Grassi, 1917

Indian host : *Heterotermes indicola*; loc., Diu : India.

88a. *Spirotrichonympha mirabilis* Grassi, 1917 var. *indica* De Mello, 1937

Type host : *Heterotermes indicola*; loc., Diu : India.

89. *Spirotrichonympha (Spironympha) ovalis* Brown, 1931

Indian host : *Reticulitermes tirapi*; loc. Arunachal Pradesh, India.

90. *Spirotrichonympha ovoidea* De Mello, 1937

Type host : *Heterotermes indicola*, loc., Diu : India.

91. *Spirotrichonympha (Spironympha) porteri* (Koidzumi, 1917) Grassé, 1952

Indian hosts : *Reticulitermes assamensis*; loc., Meghalaya, Nagaland and Sikkim : India; *Reticulitermes triapi*; loc., Arunachal Pradesh : India.

92. *Spirotrichonympha pyriiformis* Chakravarty and Banerjee, 1956

Type host : *Heterotermes indicola* (= *Heterotermes* sp. sensu Chakravarty and Banerjee, 1956); loc., West Bengal : India.

Other Indian host : *Coptotermes travians*; loc., Tripura : India.

93. *Spirotrichonympha roonwali* Das, 1976

Type host : *Coptotermes heimi*; loc., West Bengal (type locality), Bihar : India.

Other Indian host : *Coptotermes travians*; loc., Tripura : India.

94. *Spirotrichonympha rotunda* De Mello, 1927

Type host : *Heterotermes indicola* (= *Leucotermes indicola*) ; loc., Daman : India.

Other Indian host : *Reticulitermes tirapi*; loc. Arunachal Pradesh : India.

Genus *Holomastigotes* Grassi, 1872

95. *Holomastigotes indica* Das, Mandal, Tiwari and Sarkar, 1995

Type host : *Reticulitermes assamensis*; loc., Meghalaya, Nagaland and Sikkim : India.

Suborder TRICHONYMPHINA Grassé, 1952

Family EUCOMONYMPHIDAE Cleveland, Hall, Sanders and Collier, 1934

Genus *Pseudotrichonympha* Grassi and Foa, 1911

96. *Pseudotrichonympha belari* De Mello, 1927

Type host : *Heterotermes indicola* (= *Leucotermes indicola*); loc., Daman : India.

97. *Pseudotrichonympha cardiformis* Karandikar and Vittal, 1954

Type hosts : *Heterotermes malabaricus*; loc., Karnataka : India; *Coptotermes heimi*; loc., Andhra Pradesh, Karnataka, Uttar Pradesh and West Bengal : India.

Other Indian hosts : *Coptotermes travians*; loc., Nagaland, Sikkim, Tripura : India; *Heterotermis indicola*; loc., Bihar and West Bengal : India.

98. *Pseudotrichonympha hertwigi* (Hartmann, 1910) Grassi, 1917 var. *simplex* De Mello, 1937

Type host : *Coptotermes* sp.; loc., Daman : India.

99. *Pseudotrichonympha indica* Chakravarty and Banerjee, 1956

Type host : *Heterotermes indicola* (= *Heterotermes* sp. sensu Chakravarty and Banerjee, 1956); loc., West Bengal : India.

100. *Pseudotrichonympha pisciformis* Karandikar and Vittal, 1954

Type hosts : *Heterotermes malabaricus*; loc., Karnataka : India; *Coptotermes heimi*; loc., Karnataka : India.

101. *Pseudotrichonympha ramani* De Mello, 1937

Type host : *Heterotermes* sp.; loc., Goa : India.

101a. *Pseudotrichonympha ramani* De Mello, 1937 var. *seminuda* De Mello, 1937

Type host : *Heterotermes indicola* (= *Leucotermes indicola*); loc., Goa : India.

102. *Pseudotrichonympha subapicalis* Karandikar and Vittal, 1954

Type hosts : *Heterotermes malabaricus*; loc., Karnataka : India; *Coptotermes hemi*; loc., Andhra Pradesh, Bihar, Karnataka and West Bengal : India.

Other Indian host : *Coptotermes travians*; loc., Nagaland, Sikkim and Tripura : India.

Family TERATONYMPHIDAE Koidzumi, 1921

Genus *Teranympha* Koidzumi, 1917

103. *Teranympha mirabilis* Koidzumi, 1917

Indian hosts : *Reticulitermes assamensis*; loc., Meghalaya, Nagaland and Sikkim : India; *Reticulitermes tirapi*; loc., Arunachal Pradesh : India.

Family TRICHONYMPHIDAE Kent, 1880

Genus *Protrichonympha* Saleem, 1952

104. *Protrichonympha pristina* (Imms, 1919) Saleem, 1952

(= *Trichonympha pristina* Imms, 1919)

(= *Pseudotrichonympha pristina* (Imms, 1919) Cutler, 1921)

Type host : *Archtermopsis wroughtoni*; loc., "Punjab" : India.

Genus *Trichonympha* Leidy, 1877

105. *Trichonympha agilis* Leidy, 1877

Indian hosts : *Reticulitermes assamensis*; loc., Meghalaya, Nagaland and Sikkim : India; *Reticulitermes tirapi*; loc., Arunachal Pradesh : India.

106. *Trichonympha fletcheri* De Mello, 1942

Type host : *Anacanthotermes viarum* (= *Hodotermes viarum*); loc., Tamil Nadu : India.

107. *Trichonympha gujarathensis* Uttangi, 1959

Type host : *Heterotermes indicola*; loc., Gujarat : India.

108. *Trichonympha meghalayensis* Das, Tiwari, Mandal and Sarkar, 1995

Type host : *Reticulitermes assamensis*; loc., Meghalaya, Nagaland and Sikkim : India.

109. *Trichonympha turkestanica* Bernstein 1928

Indian host : *Anacanthotermes macrocephalus* (= *Hodotermes macrocephalus*); loc., India (exact locality not recorded).

II. RUMEN CILIATES

Phylum CILIOPHORA Doflein, 1901

Class KINETOFRAGMINOPHOREA de Puytorac *et al.*, 1974

Order TRICHOSTOMATIDA Butschli, 1889

Family ISOTRICHIDAE Butschi, 1889

Genus *Desitricha* Schuberg, 1889

110. *Desitricha ruminantum* Schuberg, 1888

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus* (exact locality not reported); *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

Genus *Isotricha* Stein, 1859

111. *Isotricha intestinalis* Stein, 1858

Indian host : *Bos garus*; loc., Karnataka (Mysore).

Location : Stomach (rumen).

112. *Isotricha prostoma* Stein, 1858

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus* (exact locality not reported); *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

Family BLEPHAROCORYTHIDAE Hsiung, 1929

Genus *Blepharocorys* Bundle, 1895

113. *Blepharocorys ventriculi* (Jameson, 1925) Dogiel, 1934

Indian host : *Bos indicus* (exact locality not reported).

Location : Stomach (rumen).

Order ENTODINIOMORPHA Reichenow in

Doflein and Reichenow, 1929

Family OPHRYOSCOLECIDAE Stein, 1859

Genus *Diplodinium* Schuberg, 1888

114. *Diplodinium anisacanthum* da Cunha, 1914

Indian hosts : *Bos gaurus*, loc., Karnataka (Mysore); *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

115. *Diplodinium bengalensis* Chowdhury and Chatterjee, 1960

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

116. *Diplodinium ceylonicum* Kofoid and Christenson, 1932

Indian host : *Bos indicus*, loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

117. *Diplodinium conicum* Ghosh, 1922

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

118. *Diplodinium consors* (Dogiel, 1925) Kofoid and Mac Lennan, 1932

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

119. *Diplodinium costatum* Dogiel, 1925

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

120. *Diplodinium cristagalli* Dogiel, 1927

Indian host : *Capra hircus*, loc, West Bengal (Kolkata).

Location : Stomach (rumen).

121. *Diplodinium cylindricum* Ghosh, 1922

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

122. *Diplodinillm dentatum* (Stein, 1858) Schuberg, 1888

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (ruman).

123. *Diplodinium dicanthum* (Dogiel, 1927) Kofoid and MacLennan, 1932

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

124. *Diplodinium flabellum* Kofoid and Mac Lennan, 1932

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (ruman).

125. *Diplodinium indicum* Banerjee, 1955

Indian hosts : Domestic cow and goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

126. *Diplodinium longinucleatum* Chowdhury and Chatterjee, 1960.

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

127. *Diplodinium monacanthum* (Dogiel, 1927) Kofoid and Christenson, 1934.

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); domestic goat; loc., West Bengal (Kolkata); Barking deer; loc., West Bengal (Darjeeling).

Location : Stomach (rumen).

128. *Diplodinium minor* (Dogiel, 1925) Kofoid and Mac Lennan, 1932.

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); domestic cow and goat; loc., West Bengal (Kolkata); Barking deer; loc., Orissa.

Location : Stomach (remen).

129. *Diplodinium pentacanthum* (Dogiel, 1927) Kofoid and Mac Lennan, 1932

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); domestic goat and sheep; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

130. *Diplodinium psittacium* (Dogiel, 1927) Kofoid and Mac Lennan, 1932.

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Chennai, Coonoor); domestic cow and goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

131. *Diplodinium quadridentatum* Ghosh, 1922

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

132. *Diplodimuim tetracanthum* (Dogiel, 1927) Kofoid and Mac Lennan, 1932

Indian host : *Bos gaurus*; loc., Karnataka (Mysore); domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

132. *Diplodinium tricanthum* (Dogiel, 1927) Kofoid and Mac Lennan, 1932

Indian host : *Bos gaurus*; loc., Karnataka (Mysore); domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

134. *Diplodinium tuberculatum* Ghosh, 1922

Indian host : Domestic goat; loc., West Bengal (Kokata).

Location : Stomach (rumen).

Genus *Diploplastron* Kofoid and Mac Lennan, 1932

135. *Diploplastron affine* (Dogiel and Fedorowa, 1925) Kofoid and Mac Lennan, 1932

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen)

Genus *Elytroplastron* Kofoid and Mac Lennan, 1932

136. *Elytroplastron bubali* (Dogiel, 1926) Kofoid and Mac Lennan, 1932

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

Genus *Entodinium* Stein, 1859

137. *Entodinium acutum* Kofoid and Mac Lennan, 1930

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonor).

Location : Stomach (rumen).

138. *Entodinium acutonucleatum* Kofoid and Mac Lennan, 1930

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus*; loc., Tamil Nadu (Coonor); domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

139. *Entodinium acutum* Kofoid and Mac Lennon, 1930

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonor); domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

140. *Entodinium anteronucleatum* forma *dilobum* Dogiel, 1927

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

140a. *Entodinium anteronucleatum* forma *laeve* Dogiel, 1927

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

140b. *Entodinium anteronucleatum* forma *monolobum* Dogiel, 1927

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

141. *Entodinium bengalensis* Banerjee, 1955

Indian host : Domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

142. *Entodinium biconcavam* Kofoid and Mac Lennan, 1930

Indian hosts : *Bos indicus*; loc., West Bengal (Kolkata); *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

143. *Entodinium bifidum* (Dogiel, 1927) Kofoid and Mac Lennan, 1930

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

144. *Entodinium bimastus* Dogiel, 1927

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

145. *Entodinium bravispinum* Kofoid and Mac Lennan, 1930

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

146. *Entodinius bursa* Stein, 1867

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

147. *Entodinium carinospinum* Ghosh, 1922

(= *Entodinium lobosospinosum* Dogiel, 1927)

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

148. *Entodinium caudatum* Stein, 1858

Indian hosts : *Capra hircus* and domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

149. *Entodinium chatterjeei* Das Gupta, 1935

Indian hosts : *Capra hircus* and domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

150. *Entodinium contractum* Kofoed and Christenson, 1934

Indian host : *Bos gaurus*; loc., Karnataka (Mysore).

Location : Stomach (rumen).

151. *Entodinium curtum* Kofoed and Christenson, 1934

Indian host : *Bos gaurus*; loc., Karnataka (Mysore).

Location : Stomach (rumen).

152. *Entodinium cylindricum* Chowdhury and Chatterjee, 1960

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

153. *Entodinium dogieli* Das, Mandal and Nandi, 1993

(= *Entodiunium elongatum nec* Dogiel, 1927)

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

154. *Entodinium dubardi* Buisson, 1923

Indian host : *Capra hircus*, domestic buffalo and sheep; loc., West Bengal (Kolkata); Barking deer, *Muntiacus muntjak*; loc., Orissa and West Bengal (Darjeeling); Sambar; loc; Jharkhand (Palamou).

Location : Stomach (rumen).

155. *Entodinium ellipsoideum* Ghosh, 1922

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

156. *Entodinium elongatum* Ghosh, 1922

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

157. *Entodinium ekendrae* Das Gupta, 1935

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

158. *Entodinium furca* forma *dilobum* Dogiel, 1927

Indian host : *Capra hircus* and domestic sheep; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

159. *Entodinium gibberosum* Kofoid and Mac Lennan, 1930

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

160. *Entodinium harendrai* Chowdhury and Chatterjee, 1962

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

161. *Entodinium indicum* Kofoid and Mac Lennan, 1930

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

162. *Entodinium jumnapari* Chowdhury and Chatterjee, 1960

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

163. *Entodinium kofoidi* comb. nov.

(= *Entodinium ellipsoideum* nec. Kofoid and MacLennan, 1927)

Indian hosts : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

Remarks : Kofoid and Mac Lennan (1927) described *Entodinium ellipsoideum* as a new species. Since name of the species is preoccupied by Ghosh (1922) it becomes a junior homonym. Here it is named as *Entodinium kofoidi* comb. nov. after the name of the senior author.

164. *Entodinium laterale* Kofoid and Mac Lennan, 1930

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); *Capra hircus* and domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

165. *Entodinium laterospinum* Kofoid and Mac Lennan, 1930

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus*; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

166. *Entodinium longinucleatum* Dogiel, 1925

Indian hosts : *Bos indicus*; loc., Karnataka (Mysore); *Bos indicus*; loc., Tamil Nadu (Coonoor); *Capra hircus*, domestic buffalo and sheep; loc., West Bengal; Barking deer, *Muntiacus muntjak*; loc., West Bengal (Darjeeling); Sambar, loc., Jharkhand (Palamou).

Location : Stomach (rumen).

167. *Entodinium mammilocarinatum* Ghosh, 1922

Indian hosts : Domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

168. *Entodinium minutum* Chowdhury and Chatterjee, 1960

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

169. *Entodinium mukundai* Chowdhury and Chatterjee, 1960

Indian hosts : Domestic goat; loc., West Bengal (Kolkata)

Location : Stomach (rumen).

170. *Entodinium muntiacum* Banerjee, 1955

Indian hosts : Barking deer, *Muntiacus muntjak*; loc., West Bengal (Darjeeling); domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

171. *Entodinium nanellum* Dogiel, 1922

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus*; loc., Tamil Nadu (Coonoor); *Capra hircus* and domestic sheep; loc., West Bengal (Kolkata); Sambar, loc., Jharkhand (Palamou).

Location : Stomach (rumen).

172. *Entodinium nudum* Ghosh, 1922

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

173. *Entodinium ovatum* Ghosh, 1922

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

174. *Entodinium ovinum* Dogiel, 1927

Indian hosts : *Capra hircus*; loc., West Bengal (Kolkata) and *Muntiacus muntjak*; loc., West Bengal (Darjeeling); Barking deer; loc., Orissa.

Location : Stomach (rumen).

175. *Entodinium ovoideum* Kofoed and Mac Lennan, 1930

Indian hosts: *Bos indicus*; loc., Tamil Nadu (Coonoor); Barking deer; loc., Orissa.

Location : Stomach (rumen).

176. *Entodinium ovoidonucleatum* Das Gupta, 1935

Indian host: Capra hircus; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

177. *Entodinium pisciculum* Kofoid and Mac Lennam, 1930

Indian hosts: Bos indicus; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

178. *Entodinium quadrispinosum* Ghosh, 1922

Indian hosts : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

179. *Entodinium rectangulatum* Kofoid and MacLennan, 1930

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

180. *Entodinium rhomboideum* Kofoid and Mac Lennan, 1930

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

181. *Entodinium rostratum* Fiorentini, 1889

Indian hosts : *Bos indicus*; Tamil Nadu (Coonoor); domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

182. *Entodinium setnai* Das Gupta, 1935

Indian hosts : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

183. *Entodinium simplex* Dogiel, 1925

Indian host : *Capra hircus*; loc., West Bengal (Kolkata); Barking deer, loc., Orissa.

Location : Stomach (rumen).

184. *Entodinium spinosum* Ghosh, 1922

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

185. *Entodinium submammilatum* Ghosh, 1922

Indian hosts : Domestic cow and goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

186. *Entodinium subsphericum* Ghosh, 1922

Indian hosts : Domestic cow; loc., West Bengal (Kolkata).

Location : Stomach.

187. *Entodinium tricostatum* Kofoid and Mac Lennan, 1930

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor) and West Bengal (Kolkata).

Location : Stomach (rumen).

Genus *Eodinium* Kofoid and Mac Lennan, 1932

188. *Eodinium bilobosum* (Dogiel, 1927) Kofoid and MacLennan, 1932

Indian host : *Bos gaurus*; loc., Karantaka (Mysore).

Location : Stomach (rumen).

189. *Eodinium lobatum* Kofoid and MacLennan, 1932

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic cow and buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

190. *Eodinium rectangulatum* Kofoid and Mac Lennan, 1932

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

Genus *Epidinium* Crawley, 1923

191. *Epidinium bengalensis* (Ghosh, 1922) Das, Mandal and Nandi, 1993.

Indian host : Domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

192. *Epidinium bovis* Banerjee, 1955

Indian host : Domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

193. *Epidinium cattanei* (Fiorentini, 1889) Crawley, 1923

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); *Capra hircus* and domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

194. *Epidinium caudatum* (Fiorentini, 1889) Crawley, 1923

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Capra hircus* and domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

195. *Epidinium eberleinei*, (da Cunha 1914) Kofoid and MacLennan, 1933.

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

196. *Epidinium ecaudatum* (Fiorentini, 1889) Crawley, 1923

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

197. *Epidinium parvicaudatum* (Awerinzew and Mutafova, 1914)

Kofoid and Mac Lennan, 1933

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); domestic goat and sheep; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

198. *Epidinium quadricaudatum* (Sharp, 1914)

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

199. *Epidinium spinosum* (Ghosh, 1922), Das, Mandal and Nandi, 1993

Indian host : Domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

200. *Epidinium tricaudatum* (Sharp, 1914) Kofoid and Mac Lennan, 1933

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

Genus *Eremoplastron* Kofoid and Mac Lennan, 1932

201. *Eremoplastron asiaticus* Banerjee, 1955

Indian host : Domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

202. *Eremoplastron bovis* (Dogiel, 1927) Kofoid and Mac Lamén, 1932

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor); Domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

203. *Eremoplastron brevispinum* Kofoid and Mac Lamén, 1932

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

204. *Eremoplastron magnodentatum* Kofoid and Mac Lamén, 1932

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

205. *Eremoplastron rostratum* (Fiorentini, 1889) Kofoid and Mac Lennan, 1932

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus*; loc., Tamil Nadu (Coonoor); *Capra hircus*; and domestic buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

206. *Eremoplastron rotundum* Kofoid and Mac Lennan, 1932

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

Genus *Eudiplodinium* Dogiel, 1927 emend.

Kofoid and Mac Lennan, 1932

207. *Eudiplodinium maggii* (Fiorentini, 1889) Kofoid and Mac Lennan, 1932

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus*; loc., West Bengal (Kolkata); *Capra hircus*, domestic goat, buffalo and sheep; loc., West Bengal (Kolkata); Barking deer, *Muntiacus muntjak*; loc., Orissa; West Bengal (Darjeeling), Sambar; loc., Jharkhand (Palamau).

Location : Stomach (rumen).

Genus *Metadinium* Awerinzew and Mutafova, 1914

208. *Metadinium carinatum* Ghosh, 1922

Indian host : Domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

209. *Metadinium medium* Awerinzew and Mutafova, 1914

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus*; loc., Tamil Nadu (Coonoor); *Capra hircus* ; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

210. *Metadinium quadratum* Ghosh, 1922

Indian host : Domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

211. *Metadinium rotundum* Kofoed and Christenson, 1934

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

Genus *Ophryoscolex* Stein, 1858

212. *Ophryoscolex eberleini* Ghosh, 1922

Indian hosts : Domestic cow and goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

213. *Ophryoscolex inermis* Stein, 1858

Indian hosts : Domestic cow and goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

214. *Ophryoscolex spinosus* Kofoed and Mac Lennan, 1933

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

215. *Ophryoscolex tricornatus* (Dogiel, 1927) Das Gupta, 1935

Indian host : *Capra hircus*; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

Genus *Ostracodium* Dogiel, 1927, emend. Kofoed and MacLennan, 1932

216. *Ostracodium clipeolum* Kofoed and Mac Lennan, 1932

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

217. *Ostracodium gauri* Kofoed and Christenson, 1934

Indian host : *Bos gaurus*; loc., Karnataka (Mysore).

Location : Stomach (rumen).

218. *Ostracodium gracile* (Dogiel, 1925) Kofoid and Mac Lennan, 1932

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus*; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

219. *Ostracodium mammosum* (Railliet, 1890) Kofoid and Mac Lennan, 1932

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic cow; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

220. *Ostracodium mysorei* Kofoid and Christenson, 1934

Indian host : *Bos gaurus*; loc., Karnataka (Mysore).

Location : Stomach (rumen).

221. *Ostracodium quadrivesiculatum* Kofoid and Mac Lennan, 1932

Indian host : *Bos indicus*; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

222. *Ostracodium rugoloricatum* Kofoid and Mac Lennan, 1932

Indian hosts : *Bos indicus*; loc., Tamil Nadu (Coonoor); domestic cow and buffalo; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

223. *Ostracodium trivesiculatum* Kofoid and Mac Lennan, 1932

Indian hosts : *Bos gaurus*; loc., Karnataka (Mysore); *Bos indicus*; loc., Tamil Nadu (Coonoor).

Location : Stomach (rumen).

224. *Ostracodium venustum* Kofoid and Mac Lennan, 1932

Indian host : *Bos indicus*; loc. Tamil Nadu (Coonoor).

Location : Stomach (rumen).

Genus *Polyplastron* Dogiel, 1927

225. *Polyplastron bengalensis* Chowdhury and Banerjee, 1960.

Indian host : Domestic goat; loc., West Bengal (Kolkata).

Location : Stomach (rumen).

Genus *Triplodinium* Ghosh, 1922

226. *Triplodinium bovis* Ghosh, 1922

Indian host : Domestic cow; location on West Bengal (Kolkata).

Location : Stomach (rumen).

ASSESSMENT OF TAXONOMIC DIVERSITY

In 1991 ZSI brought out a significant book "**Animal Resources of India**" wherein Mandal, Das and Nandi gave an estimate of Protozoan species of India as 2577. Out of these, parasitic protozoa comprised of 1330 species and freeliving protozoa 1247 species. This estimate of protozoan species has also been used in the book "**Faunal Diversity in India**" by Das (1998) published by ZSI as well as in the document "National Policy and Macrolevel Action Strategy on Biodiversity" prepared by the Ministry of Environment and Forests, Government of India. The same assessment of Protozoan species diversity of India is also used in almost all the faunal diversity analysis of the country.

Since the above estimate was made in 1991 it is felt necessary to reassess this estimate particularly after consulting relevant publications of post 1991. To fulfil this objective a synoptic systematic list of parasitic and symbiotic protozoa from India has been presented in the present communication. This would not only assess the earlier estimate but also give an updated picture of parasitic and symbiotic protozoan diversity of the country. Mention is to be made here that Mandal, Das and Nandi (1991) included symbiotic protozoa within parasitic protozoa in their estimate following Levine *et al.* (1980).

The present list includes 2519 species of parasitic and 226 species of symbiotic protozoa. Amongst the parasitic protozoa 552 taxa were identified up to generic level only and kept as 'sp.' under each respective genus. Under some genera, for example, *Trypanosoma* and *Haemoproteus*, 71 species and 128 species respectively have been reported. In these cases there is every probability that these large number of unnamed 'spp.', if properly identified, would come under few species only. Therefore, the taxa of unnamed 'sp.' status are not considered for species diversity analysis. So, in the present biodiversity assessment, 1967 species of parasitic and 226 species of symbiotic protozoa are included.

Phylum-wise species estimate of parasitic and symbiotic protozoa is presented in Table 1 and compared with that of earlier estimate made by Mandal, Das and Nandi (1991). The Table 1 reveals that 863 species have been added to the earlier estimate of 1991 showing an increase in 64.8% of species diversity. The Tables 1 & 2 and the species list also show that parasitic protozoa are not only taxonomically diverse belonging to 6 phyla, 13 classes, 32 orders, 118 families and 284 genera but also inhabit almost all the faunal groups of vertebrates and invertebrates found in India. On the other hand, symbiotic protozoa belong to 2 phyla, 2 classes, 5 orders 15 families and 40 genera. They belong to two broad categories, *viz.*, termite flagellates and rumen ciliates. The former are invariably present in large number in the gut of all the termite species excepting in the family Termitidae whereas the latter inhabit the rumen part of the stomach of the ruminant mammals. Presence of these symbiotic protozoa is obligatory in their respective hosts for the survival of both hosts and symbionts.

Table 1 : Phylum-wise estimate of parasitic and symbiotic protozoa of India

Phylum	Number of Species			
	Present estimate			Estimate of 1991
	Parasitic	Symbiotic	Total	
Sarcomastigophora				
Mastigophora	330	109	439	
Opalinata	40	–	40	125
Sarcodina	19	–	19	
Apicomplexa	1059	–	1059	750
Microspora	36	–	36	20
Ascetospora	5	–	5	2
Myxozoa	301	–	301	125
Ciliophora	177	117	294	200
Total	1967	226	2193	1330

Note : 1. 552 unnamed spp. of parasitic protozoa excluded from the table

2. Estimate includes both parasitic and symbiotic protozoa

Table 2 : Total number of classes, orders, families, genera and species of parasitic and symbiotic protozoa known from India

Phylum/ Subphylum	Number of									
	Class		Order		Family		Genus		Species	
	PA	SY	PA	SY	PA	SY	PA	SY	PA	SY
Sarcomastigophora										
Mastigophora	2	1	9	3	16	12	36	24	330	109
Opalinata	1	–	1	–	1	–	5	–	40	–
Sarcodina	1	–	1	–	1	–	5	–	19	–
Apicomplexa	1	–	4	–	45	–	139	–	1059	–
Microspora	2	–	3	–	11	–	15	–	36	–
Ascetospora	1	–	1	–	2	–	3	–	5	–
Myxozoa	2	–	3	–	15	–	33	–	301	–
Ciliophora	3	1	10	2	27	3	47	16	177	117
Total	13	2	32	5	118	15	284	40	1967	226

Abbreviation : PA = Parasitic protozoa; SY = Symbiotic Protozoa

Note : *552 unnamed taxa indentified as 'sp' excluded from the Table

SUMMARY

1. A synoptic list of 2745 species of protozoa is presented in the communication. This is divided into two parts : Part A : Parasitic Protozoa, which includes a total of 1967 named species and 552 unnamed species comprising of flagellates, amoebas, opalines, gregarines, coccidian, etc., and Part B : Symbiotic Protozoa : which includes 109 species of termite flagellates and 117 species of rumen ciliates (all named), totaling 226 species.
2. A total of 2519 species (both named and unnamed) of parasitic protozoa belonging to 284 genera 118 families under 32 orders, 13 classes and 6 phyla have been documented. Out of these, 552 taxa are of uncertain species status as kept as 'sp.' under each respective genus.
3. Of these, 389 species belong to the phylum Sarcomastigophora and 1059 species, 36 species, 5 species, 301 and 177 species belonging to the phylum Apicomplexa, Microspora, Ascetospora, Myxozoa and Ciliophora respectively.
4. Symbiotic protozoa representing 226 species (all named) belong to 2 phyla under 2 classes, 5 orders 15 families and 40 genera.
5. Based on the list, taxonomic diversity assessment is made and compared with earlier assessment made by Mandal *et al.* (1991). A total of 863 named species have been added to the earlier enumeration of 1330 species showing an increase of 64.8% of species diversity.
6. A group-wise bibliography with related references of systemic significance is also presented for ready reference to the workers on this subject.

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Part-A. PARASITIC PROTOZOA

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PART B
SYMBIOTIC PROTOZOA
TERMITE FLAGELLATES

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