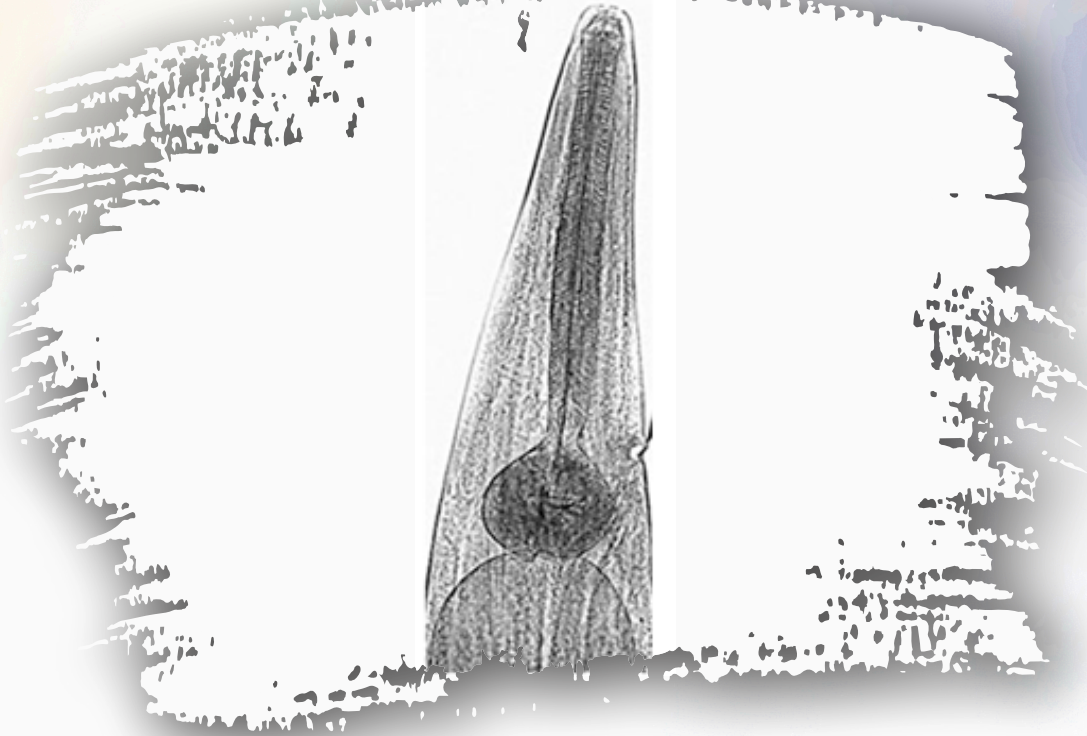


FAUNA OF INDIA CHECKLIST

JULY, 2024

ONLINE VERSION 1.0



NEMATODA: Part 4: VERTEBRATE PARASITIC NEMATODE

Pallab Maity and Anjum N. Rizvi*

Zoological Survey of India, New Alipore, Kolkata-700053, West Bengal, India; pallabmmaity@gmail.com; <https://orcid.org/0000-0001-5061-3241>, anrizvi@gmail.com; <https://orcid.org/0000-0002-2226-001X>,
*Corresponding author: anrizvi@gmail.com;

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Key words: Parasitic nematodes, vertebrate parasitic, checklist, India

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Comments on the checklist:

E-mail your comments
and suggestions to improve
the checklist to

zsifaunachecklists@gmail.com;
anrizvi@gmail.com



ZOOLOGICAL SURVEY OF INDIA
Ministry of Environment, Forest & Climate Change

NEMATODA: Part 4: VERTEBRATE PARASITIC NEMATODE

Pallab Maity and Anjum N. Rizvi*

pallabmmaity@gmail.com; <https://orcid.org/0000-0001-5061-3241>, *anrizvi@gmail.com*;
<https://orcid.org/0000-0002-2226-001X>, *Corresponding author: *anrizvi@gmail.com*;

Introduction: Vertebrate parasitic nematodes infect all animal species and are highly diverse group of organisms. The Nematode orders, Strongylida, Rhabditida, Ascaridida, Oxyurida, Spirurida and Enoplida are known to infect vertebrate hosts. All the vertebrate organisms starting from Fishes to Mammals have been known to be parasitized by the nematodes. Thapar (1925) was the first Indian to report a new genus *Echinopharynx* and published a monograph on the oxyuroids of reptiles.

Some of the significant workers include Johnson (1969-1973), Chaturvedi and Kansal (1977), Arya (1978-1991) Gupta and Trivedi (1982-1989), Rathore and Nama (1984-1990), Dey Sarkar (1998-2000), Rizvi and co-workers (2011-2022) & Maity and co-workers (2018-2021).

Global diversity: There are about 5,000 species of nematodes are likely to be parasites of vertebrate animals and humans (Nemaplex accessed 21.05.2022)

Diversity in India: 698 species belonging to 8 orders, 59 families and 220 genera are compiled as per the published data available from India.

Diversity in States

Sl.No.	State/Union Territory	No. Species
1	Andhra Pradesh	2
2	Arunachal Pradesh	2
3	Assam	18
4	Bihar	17
5	Chhattisgarh	0
6	Gujarat	20
7	Goa	1
8	Haryana	2
9	Himachal Pradesh	14
10	Jharkhand	0
11	Karnataka	3
12	Kerala	2
13	Madhya Pradesh	0
14	Maharashtra	9
15	Manipur	32
16	Meghalaya	47
17	Mizoram	35
18	Nagaland	6
19	Odisha	4
20	Punjab	8

Sl.No.	State/Union Territory	No. Species
21	Rajasthan	49
22	Sikkim	1
23	Tamil Nadu	4
24	Telangana	2
25	Tripura	46
26	Uttar Pradesh	251
27	Uttarakhand	94
28	West Bengal	257
29	Andaman & Nicobar	5
30	Chandigarh	0
31	Dadra Nagar Haveli, Daman & Diu	0
32	Delhi	0
33	Jammu & Kashmir	67
34	Ladakh	10
35	Lakshadweep	0
36	Puducherry	1
	INDIA TOTAL	698

Endemism: No endemism reported in Nematodes

Habitat: The nematodes are animal parasitic, predominantly found in gastrointestinal tract, lungs, eye, and skin vertebrate animals.

Ecological Significance: All the vertebrate organisms starting from Fishes to Mammals have been known to be parasitized by the nematodes.

Human Significance: Nematode parasites are widespread in all animals including human, almost 50% of the population is infected with nematode (Stepek *et al.*, 2006). Amongst most predominate nematodes parasitic in humans include Roundworm, Filarial worm, Hookworms, Whipworms and Pinworms. Heartworm, *Dirofilaria immitis*, causes diseases in dogs, and cats, while *Haemonchus contortus* causes great economic damage in sheep. The nematodes also cause diseases in cattle and buffalo (Jithendran & Bhat, 1999) also in sheep (Morgan & van Dijk, 2012). They cause severe damages in domestic animals and live stocks may cause may disease and occurs economical loss.

Threatened species as per IUCN: Species of Nematodes are not assessed for IUCN threat categories.

Protected Species as per WPA (2022): Nematodes are not listed under any schedules of Wildlife Protection Act (2022).

Species under CITES: Indian vertebrate nematodes are not listed under any appendices of CITES.

Invasive alien species: Not assessed

Gap areas: Except West Bengal, Uttar Pradesh, Himachal Pradesh, Jammu and Kashmir, Rajasthan and few north eastern states most of the states and UTs are unexplored for the helminths parasites of vertebrates. Studies on helminths parasites are also very few due to restrictions on host dissection and lack of expertise.

Systematic list:

Phylum NEMATODA Cobb, 1920

Class ENOPLEA Inglis, 1983

Order ENOPLIDA Filipjev, 1929

Family SOBOLIPHYSMATIDAE Petrov, 1930

Genus *Soboliphyme* Petrov, 19301. *S. manipurensis* Dey Sarkar & Chatterjee, 2004

Family TRICHURIDAE (Ransom, 1911) Railliet, 1915

Genus *Capillaria* Zeder, 18002. *C. annulata* (Molin, 1858) Cram, 1926.3. *C. bilobata* Bhalerao, 19334. *C. caudinflata* (Molin, 1858)5. *C. columbae* (Rudolphi, 1819) Travassos, 19156. *C. contorta* (Creplin, 1839) Travassos, 19157. *C. hepatica* (Bancroft, 1894)8. *C. kashmirensis* Raina *et al.* 19829. *C. minuta* Chen, 193710. *C. prashadi* Maplestone & Bhaduri 1942Genus *Trichocephalus* (Schrank, 1788)11. *T. muris* Schrank, 1788Genus *Trichuris* Roederer, 176112. *T. baruci* Johnson, 197313. *T. cynocephalus* Khera, 195114. *T. discolor* (Linstow, 1906) Ransom, 191115. *T. globulosa* (Linstow, 1901) Ransom, 191116. *T. leporis* (Froelich, 1789) Hall, 191617. *T. ovis* (Abildgaard, 1795)18. *T. mchiura* (Linnaeus)19. *T. nigricollis* Soota & Chaturvedi, 197120. *T. trichiura* (Linnaeus, 1771) Stiles, 190121. *T. vulpis* (Froelich, 1789)Genus *Capillaria* Zeder, 180022. *C. longispicula* (Sonsino, 1888)

Class CHROMADOREA Inglis 1983

Order RHABDITIDA Chitwood, 1933

Family RHABDIASIDAE Railliet, 1916

Genus *Rhabdias* Stiles & Hassall, 190523. *R. bengalensis* Sou, Sow & Nandi, 201824. *R. bufonis* Schrank, 178825. *R. bulbicauda* Sarkar & Manna, 200426. *R. dehradunensis* Rizvi, Bursey & Bhutia, 201327. *R. escheri* Baer, 193028. *R. garhwalensis* Maity *et al.*, 201829. *R. himalayanus* Rizvi, Bursey & Bhutia, 201330. *R. ranae* Walton, 192931. *R. shortii* (Singh & Ratnamala, 1977) Baker, 198032. *R. stomatica* Maity *et al.*, 2018

Family FILARIIDAE Claus, 1885

Genus *Hastospiculum* Skrjabin, 192533. *H. indicum* Yamaguti, 196134. *H. varani* Skrjabin, 192335. *H. macrophallos* (Parona, 1889) Baylis, 1930

Genus *Saurositus* Macfie, 1924

36. *S. indicus* Deshmukh & Ali, 1965

Family STRONGYLOIDIDAE Chitwood & McIntosh, 1934

Genus *Choniangium* Henry & Bauche, 1914

37. *C. epistomum* (Piana, 1900)

Genus *Strongyloides* (Grassi, 1871)

38. *S. bufonis* Rao & Singh, 1968

39. *S. mirzai* Singh, 1954

40. *S. papillosus* (Wedl, 1856) Ransom, 1911

41. *S. stercoralis* (Bavay, 1876) Stiles & Hassall, 1902

42. *S. westeri* Ihle, 1917

Family ACUARIIDAE (Railliet *et al.*, 1912) Chabaud, 1975

Genus *Baylisascaris* Sprent, 1968

43. *B. melursus* (Khera, 1951)

Genus *Pseudoaviculariella* Gupta & Kazim, 1978

44. *P. srivastavi* Gupta & Kazim, 1978

Genus *Rusguniella* Chishti & Abdullah, 1987

45. *R. turdi* Chishti & Abdullah, 1987

Genus *Streptocara* Railliet, Henry & Sisoff, 1912

46. *S. indica* Fotedar & Chishti, 1974

Genus *Acuaria* Bremser, 1811

47. *A. anthuris* (Rudolphi, 1819)

48. *A. brevispicula* Maplestone, 1931

49. *A. conica* Maplestone, 1931

50. *A. excubitori* Gupta & Kumar, 1977

51. *A. indica* Maplestone, 1931

52. *A. lata* Maplestone, 1931

53. *A. lucknowensis* Gupta & Jehan, 1972

54. *A. muelleri* Gupta & Kumar, 1977

55. *A. srivastavi* Gupta & Kumar, 1977

Genus *Aviculariella* Wehr, 1931

56. *A. alcyona* Wehr, 1931

Genus *Echinuria* Soloviev, 1912

57. *E. hargilae* (Baylis & Daubney, 1923) Soloviev, 1943

58. *E. uncinata* (Rudolphi, 1819) Soloviev, 1912

Genus *Schistorophus* Railliet, 1916

59. *S. tenuis* (Maplestone, 1932)

Genus *Synhimantus* Railliet, Henry & Sisoff, 1912

60. *S. ardeai* Agrawal, 1965

61. *S. invaginatus* (Linstow, 1901)

62. *S. ketupae* Sanwal, 1952

63. *S. nanus* Maplestone, 1931

64. *S. nasuta* (Rudolphi, 1819)

65. *S. nigeri* Gupta & Kazim, 1978

66. *S. owleli* Dey Sarkar, 2000

67. *S. pavonis* Sanwal, 1951

68. *S. rectovaginata* (Molin, 1860)

Family APROCTIDAE (Yorke & Maplestone, 1926) Skrjabin & Schikhobalova, 1945

Genus *Pseudodiomedema* Gupta & Johri, 1989

69. *P. cameroni* Gupta & Johri, 1988

Genus *Pseudaprocta* Schikhobalova, 1930

70. *P. manipurensis* Dey Sarkar & Chatterjee, 2004

71. *P. indica* Dey Sarkar, 2000
 72. *P. kaimurensis* Dey Sarkar, 2003
 73. *P. vagabunda* Dey Sarkar, 2000
 Genus **Squamofilaria** Schmerling, 1925
 74. *S. gillucidiumae* Dey Sarkar, 2000
 75. *S. indica* Dey Sarkar *et al.*, 2007
 76. *S. choprai* Chauhan, 1946
 77. *S. nepalensis* Soota & Chaturvedi, 1971
 78. *S. oriolae* Majumder & DeySarkar, 1989
 Order ASCARIDIDA Skrjabin @ Schulz 1940
 Family COSMOCERCIDAE (Railliet, 1916) Travassos, 1925
 Genus **Cosmocerca** Diesing, 1861
 79. *C. asansolensis* Banerjee & Sou, 2020
 80. *C. bengalensis* Sou *et al.*, 2018
 81. *C. commutate* (Diesing, 1851)
 82. *C. crenshawii* Fotedar, 1973
 83. *C. kalesari* Rizvi, Bursey & Bhutia, 2011
 84. *C. kashmirensis* Fotedar, 1959
 85. *C. microhylae* Sou & Nandi, 2015
 86. *C. ornata* (Dujardin, 1845)
 87. *C. parva* Travassos, 1925
 Genus **Cosmocercoides** Wilkie, 1930
 88. *C. himalayanus* Rizvi & Bursey, 2014
 89. *C. bufonis* Karve, 1944
 90. *C. dukae* (Holl, 1928) Travassos, 1931
 91. *C. multipapillata* Khera, 1958
 92. *C. nainitalensis* Arya, 1979
 93. *C. rickae* Ogden, 1966
 Genus **Aplectana** Railliet & Henry, 1916
 94. *A. acuminata* (Schränk, 1788) Railliet & Henry, 1916
 95. *A. duttaphryni* Sou *et al.*, 2014
 96. *A. hoplobatrachusii* Sou, Sow & Nandi, 2018
 97. *A. macintoshii* (Stewart, 1914) Travassos, 1931
 Genus **Paracosmocerca** Kung & Wu, 1945
 98. *P. mucronata* Kung & Wu, 1945
 Genus **Tachygonetria** Wedl, 1862
 99. *T. expansa* Rees, 1935
 100. *T. indica* Agrawal, 1966
 101. *T. torticollis* Rees, 1935
 Genus **Velariocephalus** Singh, 1958
 102. *V. trilokii* Singh, 1958
 Genus **Furconema** Gairola & Malhotra, 1988
 103. *F. viviparous* Gairola and Malhotra, 1988
 Genus **Pseudocruzia** Wolfgang, 1953
 104. *P. orientalis* (Maplestone, 1930) Wolfgang, 1953
 Family DIAPHANICEPHALIDAE Travassos, 1920
 Genus **Kalicephalus** Molin, 1861
 105. *K. brachycephalus* Maplestone, 1931
 106. *K. elongatus* Maplestone, 1931
 107. *K. ersiliae* (Stossich, 1896) Yorke & Maplestone, 1926
 108. *K. fimbriatus* (Ortlepp, 1923) Baylis, 1936
 109. *K. indicus* Ortlepp, 1923

110. *K. kashmirensis* Fotedar *et al.*, 1966
 111. *K. longior* Maplestone, 1931
 112. *K. minutus* (Baylis & Dauhney, 1922) Ortlepp, 1923
 113. *K. schadi* Ogden, 1966
 114. *K. willeyi* Linstow, 1904
 Family HETEROCEILLIDAE Railliet & Henry, 1915
 Genus **Dujardinascaris** Baylis, 1947
 115. *D. dujardini* (Travassos, 1920) Baylis, 1947
 116. *D. woodlandi* (Baylis, 1923) Baylis, 1947
 Genus **Goezia** Zeder, 1800
 117. *G. gaviolidis* Maplestone, 1930
 118. *G. chitali* Zaidi & Khan, 1975
 Genus **Multicaecum** Baylis, 1923
 119. *M. agile* (Wedl, 1861) Baylis, 1923
 120. *M. gangeticum* Maplestone, 1930
 Genus **Typhlophoros** von Linstow, 1906
 121. *T. lamenaris* Linstow, 1906
 Family KATHLANIIDAE Lane, 1914
 Genus **Falcaustra** Lane, 1915
 122. *F. baribi* Baylis & Dauhney, 1922
 123. *F. bengalensis* Manna & Mahapatra, 1989
 124. *F. brevispiculata* (Baylis, 1935)
 125. *F. chauhani* (Soota, 1975) Petter, 1979
 126. *F. kempi* (Baylis & Daubney 1922) Chabaud, 1978
 127. *F. leptcephala* Baylis & Daubney, 1922
 128. *F. layerani* Railliet & Henry, 1912
 129. *F. stewarti* Baylis & Daubney, 1922
 130. *F. testudinis* (Baylis & Daubney, 1922)
 Genus **Spirooura** Leidy, 1856
 131. *S. brevispiculata* Baylis, 1935
 132. *S. falcata* (Linstow, 1906) Baylis, 1936
 133. *S. kachugae* (Stewart, 1914)
 134. *S. stewarti* Baylis & Daubney, 1922
 Genus **Zanclophorus** Baylis & Daubney, 1922
 135. *Z. amandalei* Baylis & Daubney, 1922
 136. *Z. ketnpi* Baylis & Daubney, 1922
 Family ONCHOCERCIDAE (Leiper, 1911) Anderson Et Bain, 1976
 Genus **Ameeria** Ali, 1961
 137. *A. sultanae* Ali, 1961
 Family PHILOMETRIDAE Baylis & Daubney, 1926.
 Genus **Philometra** Costa, 1845
 138. *P. cylindracea* (Ward & Magath, 1917) Yorke & Maplestone, 1926
 Family ANISAKIDAE (Railliet & Henry, 1912) Skrjabin & Karokhin, 1945
 Genus **Duplicaecum** Majumdar & Chakraborty, 1963
 139. *D. ibisi* Majumdar & Chakraborty, 1963
 Genus **Lappetascaris** Rasheed, 1965
 140. *L. lutjani* Rasheed, 1965
 Genus **Terranova** Leiper & Atkinson, 1914
 141. *T. pristis* (Baylis & Daubney, 1922) Johnston & Mawson, 1945
 Genus **Contracaecum** Railliet & Henry, 1912
 142. *C. engonium* Baylis & Daubney, 1922
 143. *C. haliaeti* Baylis & Daubney, 1923

144. *C. lobulatum* (Schneider, 1866) Baylis & Daubney, 1923
 145. *C. microcephalum* (Rudolphi, 1809)
 146. *C. milvi* Yamaguti, 1935
 147. *C. rosarium* (Connal, 1912) Baylis, 1920
 148. *C. rufai* Gupta & Johri, 1989
 149. *C. spiculigerum* (Rudolphi, 1809) Railliet & Henry, 1912
 150. *C. tricuspe* (Gedoelst, 1916) Baylis, 1920

Family ASCARIDIDAE Baird, 1853

Genus *Ophidascaris* Baylis, 1920

151. *O. ajgaris* Khera, 1956
 152. *O. filaria* (Dujardin, 1845) Baylis, 1921
 153. *O. gestri* (Parona, 1889). Baylis, 1921
 154. *O. naiae* (Gedoelst, 1916)
 155. *O. piscatori* Soota & Chaturvedi, 1970

Genus *Polydelphis* Dujardin, 1945

156. *P. anoura* Dujardin, 1845
 157. *P. attenuate* (Molin, 1858) Gedoelst, 1916
 158. *P. oculata* (Linstow, 1899) Railliet & Henry, 1910
 159. *P. sewelli* Baylis & Daubney, 1922

Genus *Seuratascaris* Sprent, 1985

160. *S. numidica* Seurat, 1917

Genus *Parascaris* Yorke & Maplestone, 1926

161. *P. equorum* (Goeze, 1782)

Genus *Porrocaecum* Railliet & Henry, 1912

162. *P. accipiteri* Gupta, 1976
 163. *P. angusticolle* (Molin, 1860) Baylis & Daubney, 1922
 164. *P. ardeae* (Frolich, 1802) Baylis, 1936
 165. *P. depressum* (Zeder, 1800)
 166. *P. ibidis* (Maplestone, 1932)
 167. *P. inconstantia* (Jairajpuri & Siddiqi, 1970)
 168. *P. ratti* Singh, 1962
 169. *P. reticulatum* (Linstow, 1899)

Genus *Amplicaeum* Baylis, 1920

170. *A. iguana* Wahid, 1961.
 171. *A. monitor* Khera, 1956
 172. *A. varani* Baylis & Daubney, 1922
 173. *A. capellae* Majumdar, 1963
 174. *A. ixobrychusi* Majumdar & Chakravarty, 1963
 175. *A. phalacrocoraxi* Chakravorty & Majumdar, 1959

Genus *Ascaridia* Dujardin, 1845

176. *A. alata* Soota & Chaturvedi, 1970
 177. *A. bulatta* Soota & Chaturvedi, 1969
 178. *A. circularis* (Linstow, 1903) Railliet & Henry, 1914
 179. *A. columbae* (Gmelin, 1790) Travassos, 1913
 180. *A. compar* Schrank, 1790
 181. *A. cristata* Linstow, 1872
 182. *A. frenetusi* Gupta & Jehan, 1969
 183. *A. galli* (Schrank, 1788) Freeborn, 1923
 184. *A. ganapatii* Sood, 1966
 185. *A. stroma* Linstow, 1918
 186. *A. treroni* Sharma, 1970

Genus *Ascaris* Linnaeus, 1758

187. *A. felisi* Jehan & Sood, 1968
 188. *A. lumbricoides* (Linnaeus, 1758)
 189. *A. skrjabini* Mozgovoi *et al.*, 1969
 190. *A. suum* Goeze, 1782
 Genus **Toxascaris** Leiper, 1907
 191. *T. leonine* (Linstow, 1902) Railliet & Henry, 1911
 192. *T. transfuga* (Rudolphi, 1819)
 Genus **Indoatractis** Gupta & Naiyer, 1989
 193. *I. indica* Gupta & Naiyer, 1989
 Genus **Probstmayria** (Probstmayr, 1865) Ransom, 1907
 194. *P. bengalensis* Mondal & Manna, 2010
 195. *P. simiae* Maptestone, 1931
 Genus **Pseudocyrptosomum** Gupta & Johri, 1987
 196. *P. lucknowensis* Gupta & Johri, 1987
 Genus **Monhysterides** Baylis & Daubney, 1922
 197. *M. kachugae* (Stewart, 1914) Baylis, 1936
 Family DIOCTOPHYMIDAE Railliet, 1915
 Genus **Neostromyloides** Rathore & Nama, 1985
 198. *N. dicrusus* Rathore & Nama, 1985
 199. *N. chauhani* Rathore & Nama, 1988
 Family HETERAKIDAE Railliet & Henry, 1914
 Genus **Africana** Maptestone, 1931
 200. *A. bufonis* Biswas & Chakravarty, 1963
 201. *A. varani* Maptestone, 1931
 Genus **Meteterakis** Karva, 1930
 202. *M. andamanensis* Soota & Chaturvedi, 1970
 203. *M. louisii* Inglis, 1958
 204. *M. mabuyae* (Chakravarty, 1944) Inglis, 1958
 Genus **Strongyluris** Mueller, 1894
 205. *S. bengalensis* Chakravarty, 1936
 206. *S. calotis* Baylis & Daubney, 1923
 207. *S. chamaeleonis* Baylis & Daubney, 1922
 208. *S. karawirensis* Karve, 1938
 209. *S. chamaeleonis* Baylis & Daubney, 1922
 210. *S. eryxi* Agrawal, 1966
 Genus **Spinicauda** Travassos (1920)
 211. *S. anurae* Jamdar, 2021
 Genus **Heterakis** Schrank, 1790
 212. *H. berhamporia* Lane, 1914
 213. *H. bosia* Lane, 1914
 214. *H. girardi* (Lane, 1917) Yorke & Maptestone, 1926
 215. *H. bufonis* Biswas & Chakravarty, 1963
 216. *H. gallinae* (Gmelin, 1790) Freeborn, 1923
 217. *H. isolenche* Linstow, 1906
 218. *H. inglisi* Gupta & Trivedi, 1982
 219. *H. mizoramensis* Dey Sarkar *et al.*, 2007
 220. *H. papillosa* (Bloch, 1782)
 221. *H. parva* Maptestone, 1931
 222. *H. pavonis* Maptestone, 1932
 223. *H. spumosa* Schneider, 1866
 224. *H. vulvolabiata* Chandler, 1926
 225. *H. yamaguii* Gupta & Trivedi, 1982

Genus **Pseudaspidodera** Baylis, 1922

226. *P. pavonis* (Baylis & Daubney , 1922)
 227. *P. voluptuosa* Chandler, 1926
 228. *P. jnanendrae* Chakravorty, 1938
 229. *P. spinose* (Maplestone, 1932)

Genus **Meterakis** Karve, 1930

230. *M. mabuyae* (Chakraborty, 1914)
 231. *M. gekkonis* Dey Sarkar *et al.*, 2007
 232. *M. govindi* Karve, 1930
 233. *M. tripurae* Dey Sarkar, 2000

Family HETEROCEILLIDAE Railliet & Henry, 1915

Genus **Multicaecum** Baylis, 1923

234. *M. gangeticum* (Maplestone, 1930)

Family SEURATIDAE Hall, 1916

Genus **Monovaria** Khera, 1953

235. *M. rhinolophensia* Khera, 1953

Family SUBULURIDAE (Travassos, 1914) Yorke & Maplestone, 1926

Genus **Allodapa** Diesing, 1861

236. *A. (Allodapa) turnicis* Maplestone, 1931

Genus **Leipoanema** Jehan, 1970

237. *L. cameroni* Jehan, 1970

Genus **Oxynema** Linstow, 1899

238. *O. alata* (Mazhar, 1933) Inglis, 1955

Genus **Tarsubulura** Inglis, 1958

239. *T. permata* Ratzel, 1868

Genus **Subulura** Molin, 1860

240. *S. (S.) albai* Agrawal, 1965
 241. *S. (S.) andersoni* (Cobbold) Railliet & Henry , 1913
 242. *S. (S.) francolinusi* Jehan, 1970
 243. *S. (S.) gubernaculi* Nana & Jain, 1972
 244. *S. (S.) indica* Gupta & Jaiswal, 1985
 245. *S. (S.) multipapillata* (Chandler, 1926) Cram, 1927
 246. *S. (S.) olympioi* Barreto, 1919
 247. *S. (S.) perdicularia* Dey Sarkar, 1999
 248. *S. (S.) glloperdicis* Baylis & Daubney, 1922

Family TOXOCARIDAE Hartwich, 1954

Genus **Toxocara** (Stiles, 1905)

249. *T. canis* (Werner, 1782) Stiles, 1905
 250. *T. cati* (Schranck, 1788) Brumpt, 1927
 251. *T. mystax* Zeder, 1800
 252. *T. vitulorum* Goeze, 1782

Family ATRACTIDAE Travassos, 1919

Genus **Atractis** Dujardin, 1845

253. *A. granulosa* (Railliet & Henry, 1912) Thapar, 1925
 254. *A. opeatura* Leidy, 1891
 255. *A. ortleppi* Thapar, 1925

Genus **Monhysterides** Baylis & Daubney, 1922

256. *M. piscicola* Baylis & Daubney, 1922

Family HETERAKIDAE Railliet & Henry, 1912

Genus **Heterakis** Linstow, 1906

257. *H. gallinarum* Schrank, 1788
 258. *H. indica* (Mapletone, 1941)

259. *H. lahulensis* Soota & Chaturvedi, 1969
 260. *H. spumosa* Schneider, 1866
 Family HETEROXYNEMATIDAE Skrjabin & Shikhobalova 1948
 Genus **Dermatoxys** Schneider, 1866
 261. *D. skarjabini* Katiyar & Pande, 1965
 262. *D. ruficaudata* Mirza, 1936
 Genus **Syphaciella** Lév., 1827
 263. *S. indica* Maplestone, 1931
 264. *S. capensis* Monnig, 1924
 Family OXYURIDAE Cobbold, 1864
 Genus **Oxyuris** Rudolphi, 1803
 265. *O. equi* (Schränk, 1788) Blanchard, 1849
 Genus **Skrjabinema** Werestchajin, 1926
 266. *S. ovis* (Skrjabin, 1915)
 Genus **Wellcomia** Sambon, 1907
 267. *W. indica* Singh, 1962
 268. *W. taylori* Abdussalam, 1928
 Genus **Enterobius** Leach, 1853
 269. *E. anthropopithecii* (Gedoelst)
 270. *E. (Colobenterobius) emodensis* Hasegawa *et. al.*, 2018
 271. *E. vermicularis* (Linnaeus 1758) Leach, 1853
 Genus **Neyrapterectana** Vicente & Santos, 1970
 272. *N. fatehpurensis* Upadhyay, Yadav, Kumar & Pandey, 2016
 Genus **Neoprotazoophaga** Biswas & Chakravarty, 1963
 273. *N. bufonis* Biswas & Chakravarty 1963
 Genus **Syphacia** Seurat, 1916
 274. *S. funambuli* Johnson, 1967
 275. *S. (S.) pearsoni* Dey Sarkar *et al.*, 2007
 276. *S. pennanti* Parihar & Nema, 1977
 277. *S. obvelata* (Rudolphi, 1802)
 278. *S. (S.) sciuri* Mirza & Singh, 1934
 279. *S. (S.) tineri* Khera, 1954
 280. *S. muris* (Yamaguti, 1935)
 Family RHIGONEMATOIDAE (Kloss, 1960)
 Genus **Dudekemia** Artigas, 1930
 281. *D. cristata* Gupta & Kumar, 1975
 Family CUCULLANIDAE Cobbold, 1864
 Genus **Cucullanus** Müller, 1777
 282. *C. callichroi* (Stewart, 1914)
 283. *C. hardellus* Khera, 1956
 284. *C. lucknowi* Compana-Rouget, 1961
 285. *C. rivulatus* Dey Sarkar, 1980
 286. *C. pseudotropi* Agrawal, 1967
 287. *C. ritai* Karve, 1952
 288. *C. serratus* (Lane, 1916) Barreto, 1918
 Genus **Dichelyne** Jägerskiöld, 1902
 289. *D. trionyxi* Chakravarty & Majumdar, 1961
 290. *D. wallagoni* Chakraborty & Majumdar, 2009
 291. *D. trionyxi* Chakraborty & Majumdar, 2009
 Genus **Neocucullanus** Travassos, Artigas & Pereira, 1928
 292. *N. indica* Gupta & Naiyer, 1991
 Class SECERNENTEA Linstow, 1905

Order OXYURIDA Cobbold, 1864

Family PHARYNGODONIDAE Travassos, 1919

Genus *Thelandros* Wedl, 1861

293. *T. alatus* Wedl, 1862
 294. *T. (T.) aspiculus* Khera, 1961
 295. *T. basiri* Johnson, 1969
 296. *T. baylisi* Chatterji, 1935
 297. *T. dehradunensis* Rizvi, Maity & Bursey, 2017
 298. *T. hemidactylii* Gupta, Bhaskar & Gupta, 2009
 299. *T. jammuensis* Fotedar, 1968
 300. *T. maplestonii* (Chatterjee, 1933)
 301. *T. tuberculata* Rizvi, Maity & Bursey, 2017
 302. *G. dehradunensis* Maity, Rizvi, Bursey & Chandra, 2019

Genus *Parapharyngodon* (Chatterji, 1933)

303. *P. gekko* Chakravarty & Bhaduri, 1948.
 304. *P. hemidactylii* Gupta, Bhaskar & Gupta, 2009
 305. *P. jairaipurii* Rizvi & Bursey, 2013
 306. *P. adamsoni* Crusz et Daundasekera, 1988
 307. *P. almoriensis* (Karve, 1949)
 308. *P. calotis* (Johnson, 1966) Adamson, 1981
 309. *P. frenatusi* Gupta, 1959
 310. *P. kasauli* (Chatterji, 1935) Markov & Bognadov, 1965
 311. *P. mabuiaiae* (Rao & Hiregaudar, 1962) Adamson, 1981
 312. *P. maplestoni* Chatterji, 1933
 313. *P. ranae* Biswas & Chakravarty, 1963
 314. *P. striatus* Singh & Malhotra, 1986
 315. *P. tuberculata* Rizvi, Maity & Bursey, 2017
 316. *P. tripurensis* Dey Sarkar, 2000

Order SPIRURIDA Chitwood, 1933

Family DIPETALONEMATIDAE Wehr, 1935

Genus *Conispiculum* Pandit, Pandit & Iyer, 1929

317. *C. flavescens* (Castellani & Willey, 1904) Baylis, 1939

Family DRACUNCULINIDAE, Leiper, 1912

Genus *Dracunculus* Reichard, 1759

318. *D. medinensis* (Linnaeus, 1758) Gallandat, 1773

Genus *Micropleura* von Linstow, 1906

319. *M. indica* Khera, 1951
 320. *M. vivipara* Linstow, 1906
 321. *M. trionyxi* Agrawal, 1966

Family CAMALLANIDAE Railliet & Henry, 1915

Genus *Camallanus* Railliet et Henry, 1915

322. *C. alatae* Nama & Jain, 1974
 323. *C. anabantis* Pearse, 1933
 324. *C. artidentus* Khera, 1956
 325. *C. bufonis* Agrawal, 1967
 326. *C. baylisi* Karve, 1932
 327. *C. cyanophlyctis* Sahay, 1966
 328. *C. cotti* Fujita, 1927
 329. *C. trichiuris* Bashirullah & Rahman, 1972
 330. *C. goaensis* Soota, 1981
 331. *C. gachui* Bidyalakshmi, Gambhir & Mukesh, 2016
 332. *C. intestinalus* Bashirullah, 1974

333. *C. kachugae* Baylis & Daubney, 1922
 334. *C. lucknowensis* Gupta & Bakshi, 1980
 335. *C. mastacembeli* Sahay & Sinha, 1966
 336. *C. nodulosus* Gupta, 1959
 337. *C. oxycephalus* Ward & Magath, 1916
 338. *C. ptyas* Khera, 1956
 339. *C. ranae* Khera, 1956
 340. *C. solmonae* Chakravorty, 1942
 341. *C. tigrinis* Johnson, 1969
 342. *C. unispiculus* Khera, 1954
 Genus **Onchocamallanus** Petter, 1979
 343. *O. bagarii* Karve & Naik, 1951
 Genus **Procamallanus** Baylis, 1923
 344. *P. ahiri* Karve, 1952
 345. *P. attui* Pande, Bhatia & Rai 1963
 346. *P. equispiculus* Sood, 1968
 347. *P. (Monospiculus)kashmirensis* Dhar & Fotedar, 1980
 348. *P.(Spirocamallanus) jiriensis* Sanachaoba & Gambhir, 2018
 349. *P.(Synhimantus) hydrabadensis*(Ali, 1956)
 350. *P. singhi* (Ali, 1957) Campana Rouget, 1961
 351. *P. (Spirocamallanus) gubernaculus* (Khera, 1956) Soota, 1983
 352. *P. daccai* Gupta, 1959
 353. *P. guptai* Gupta & Naiyer, 1990
 354. *P. mehrii* Agrawal, 1930
 355. *P. muelleri* Agrawal, 1966
 356. *P. ranae* Biswas & Chakravarty, 1963
 357. *P. saccobranchi* Karve, 1952
 358. *P. spirogubernaculus* Agrawal, 1958
 Genus **Spirocamallanus** Olsen, 1952
 359. *S. mysti* Karve, 1952
 360. *S. singhi* Ali, 1957
 Genus **Camallanides** Baylis & Daubney, 1922
 361. *C. (P.) piscatori* Khera, 1954
 362. *C. lucknowensis* Gupta & Naqvi, 1982
 363. *C. prashadi* Baylis & Daubney, 1922
 364. *C. pseudoeuropiusi* Gupta & Naqvi, 1982
 365. *C. ptyas* (Khera, 1954)
 Family HABRONEMATIDAE (Chitwood & Wehr, 1932) Invaschkin, 1961
 Genus **Torquatoides** Williams, 1929
 366. *T. longiovata* (Ali, 1956)
 Family CYSTIDICOLIDAE (Skrjabin, 1946) Chabaud, 1975
 Genus **Pseudoproleptus** Khera, 1953
 367. *P. fotedari* Gupta & Jaiswal, 1988
 368. *P. gomtii* Gupta & Bakshi, 1984
 369. *P. mastacembeli* Gupta & Jaiswal, 1988
 370. *P. vestibules* Khera, 1953
 Genus **Spinitectus** Fourment, 1883
 371. *S. caballeri* Datta & Majumdar, 1974
 372. *S. indicus* Verma & Agrawal, 1932
 373. *S. komiyai* Sahay & Prosad, 1965
 374. *S. minor* Stewart, 1914
 375. *S. neilli* Karve & Naik 1951

376. *S. eryxi* Agrawal, 1966
 Family DIPLOTRIAENIDAE (Skrjabin, 1916) Anderson, 1958
 Genus **Diplotriaena** Railliet & Henry, 1909
 377. *D. almoraensis* Dey Sarkar & Sen, 2008
 378. *D. mukteswarensis* Singh, 1962.
 379. *D. nepalensis* Soota & Chaturvedi, 1967
 380. *D. buckleyi* Fotedar & Kaw, 1965
 381. *D. coracinae* Dey Sarkar *et al.*, 2007
 382. *D. champawatensis* Dey Sarkar & Sen, 2008
 383. *D. chandragiriensis* Soota & Chaturvedi, 1971
 384. *D. doonensis* Soota & Chaturvedi, 1975
 385. *D. dubia* Maplestone, 1931
 386. *D. enicuri* Dey Sarkar *et al.*, 2007
 387. *D. graculi* Maplestone, 1931
 388. *D. indica* Singh, 1962.
 389. *D. kumaunensis* Singh, 1962
 390. *D. mirzapurensis* Soota & Chaturvedi, 1967
 391. *D. molpastisi* Majumdar & Chakraborty, 1963
 392. *D. nagpurensis* Karve, 1934
 393. *D. nepalensis* Soota & Chaturvedi, 1967
 394. *D. niltavae* Dey Sarkar & Sen, 2008
 395. *D. tricuspis* (Fedchenko, 1874) Seurat, 1915
 396. *D. urocissae* Maplestone, 1931
 Genus **Hamatospiculum** Skryabi, 1916
 397. *H. dubium* Soota & Chaturvedi, 1975
 398. *H. dicruri* Tubangui, 1934
 399. *H. tephronotum* Dey Sarkar, 1999
 Family FILARIIDAE (Weinland, 1858) Cobbold, 1879
 Genus **Parafilaria** Yorke & Maplestone, 1926
 400. *P. bovicola* (Tubangui 1934)
 401. *P. sahaii* Srivastava & Dutta, 1959
 Genus **Setaria** Viborg, 1795
 402. *S. cervi* (Rudolphi, 1819) Baylis, 1936
 403. *S. equina* (Abildgaard, 1789) Railliet & Henry, 1911
 Genus **Filaria** Mueller, 1787
 404. *F. abbreviata* Rudolphi, 1819
 405. *F. haje* Wedl., 1862
 406. *F. martis* Gemlin, 1790
 Genus **Hastospiculum** Skrjabin, 1925
 407. *H. macrophallos* (Parona, 1889) Baylis, 1930
 Family GNATHOSTOMATIDAE Railliet, 1895
 Genus **Echinocephalus** Molin, 1858
 408. *E. uncinatus* Molin, 1858
 Genus **Tanqua** Blanchard, 1904
 409. *T. anomala* (Linstow, 1904) Baylis, 1916
 410. *T. tiara* (Linstow, 1879) Blanchard, 1904
 Genus **Gnathostoma** Owen, 1837
 411. *G. doloresi* Tubangui, 1925
 Family GONGYLONEMATIDAE Hall, 1916
 Genus **Gongylonema** Molin, 1857
 412. *G. capucini* Maplestone, 1939
 413. *G. fotedari* Gupta & Trivedi, 1985

414. *G. ingluvicola* Ranson, 1904
 415. *G. metopidiusi* Gupta & Kumar, 1976
 416. *G. pulchrum* Molin, 1857
 417. *G. verrucosum* (Giles, 1892) Neumann, 1894
 Family HABRONEMATIDAE (Chitwood & Wehr, 1932) Invaschkin, 1961
 Genus **Cyrene** Schlueter, 1838
 418. *C. aeurycerca* Seurat, 1914
 Genus **Habronema** Diesing, 1861
 419. *H. asymmetricum* Maplestone, 1932
 420. *H. avicedae* Soota & Dey Sarkar, 1981
 421. *H. bulbosum* Linstow, 1906
 422. *H. casuarii* Maplestone, 1932
 423. *H. diesingi* Maplestone, 1932
 424. *H. euplocami* Maplestone, 1932
 425. *H. imbricatum* Maplestone, 1932
 426. *H. indicum* Maplestone, 1929
 427. *H. magnilabiatum* Maplestone, 1932
 428. *H. megastoma* Rudolphi, 1819
 429. *H. microstoma* (Schneider, 1866) Ransom, 1911
 430. *H. muscae* (Carter, 1861) Diesing, 1861
 431. *H. otusi* Dey Sarkar, 2000
 432. *H. tripurensis* Dey Sarkar, 2000
 Genus **Hadjelia** Seurat, 1916
 433. *H. hypoleucosi* Gupta & Kumar, 1980
 434. *H. thapari* Jehan, 1972
 435. *H. truncata* Creplin, 1825
 436. *H. upupai* Jehan, 1972
 Genus **Histocephalus** Gendre, 1921
 437. *H. tridens* Gendre, 1921
 Genus **Paracyrnea** Gupta & Jaiswal, 1988
 438. *P. yamagutii* Gupta & Jaiswal, 1987
 Genus **Procyrnea** Chabaud, 1958
 439. *P. asiaticusi* Gupta & Kumar, 1980
 440. *P. cameroni* Gupta & Kazim, 1978
 441. *P. fotedari* Gupta & Kumar, 1980
 442. *P. haliasturi* Gupta & Kumar, 1980
 443. *P. hrishii* Agrawal, 1965
 444. *P. rauschi* Gupta & Kumar, 1980
 445. *P. tulostoma* (Hemp, 1866)
 446. *P. vinodi* Gupta & Kumar, 1980
 Genus **Stellocaronema** skrjabini Gilbert, 1930
 447. *S. indica* Sharma, 1968
 Genus **Excisa** Gendre, 1928
 448. *E. curvata* Jairajpuri & Siddiqi, 1971
 449. *E. kestrela* Dey Sarkar, 1999
 450. *E. thapari* Sanwal, 1951
 Genus **Viguiera** Seurat, 1913
 451. *V. bossicauda* Dey Sarkar, 2000
 452. *V. euryoptera* (Rudolphi, 1819)
 453. *V. majumdari* De, 1979
 454. *V. terpsiphonei* Jairajpuri & Siddiqi, 1971
 Family ONCHOCERCIDAE Lieper, 1911

- Genus *Ameeria* Ali, 1961
 455. *A. sultanae* Ali, 1961
 Genus *Aproctella* Cram, 1931
 456. *A. fotedari* Gupta & Johri, 1988
 457. *A. thapari* Gupta & Kumar, 1977
 Genus *Callosciurofilaria* Dey Sarkar, 2000
 458. *C. agarwali* Dey Sarkar, 2000
 Genus *Chandlerella* Yorke & Maplestone, 1926
 459. *C. bosei* (Chandler, 1924)
 460. *C. columbigallinae* (Augustine, 1937)
 461. *C. oriolae* Dey Sarkar, 2000
 462. *C. tripuriae* Dey Sarkar, 2000
 Genus *Lemdana* Seurat, 1917
 463. *L. bengalensis* (Soota & Chaturvedi, 1971)
 Genus *Ochoterenella* Caballero, 1944
 464. *O. ranae* Sarkar & Manna, 2008
 465. *O. bengalensis* Sarkar & Manna, 2008
 466. *O. isospiculata* Sonia & Gambhir, 2011
 Genus *Oncocerca* Railliet & Henry, 1909
 467. *O. armillata* Railliet & Henry, 1909
 Genus *Paraprocta* Maplestone, 1931
 468. *P. passericola* Dey Sarkar, 2000
 Genus *Splendidofilaria* Skryabin, 1923
 469. *S. kashmirensis* Amir & Ali, 1960
 Genus *Dipetalonema* Diesing, 1861
 470. *D. digitatum* (Chandler, 1929)
 Genus *Papillosetria* Vevers, 1923
 471. *P. veversi* Maplestone, 1932
 Genus *Protofililaria*, Chandler, 1929
 472. *P. furcata* Chandler, 1929
 Genus *Litomosa* Burgosi De La Barrera, 1926
 473. *L. fotedari* (Gupta & Trivedi, 1989) Martin, *et. al.*, 2006
 474. *L. jairajpuri* Trivedi & Gupta, 1989
 475. *L. tewarii* (Gupta & Trivedi, 1989) Martin, *et. al.*, 2006
 Family PHYSALOPTERIDAE Leiper, 1908
 Genus *Heliconema* Travassos, 1919
 476. *H. longissima* (Ortlepp, 1923)
 477. *H. monopteri* Moravec, Chaudhary & Singh, 2019
 Genus *Paraphysaloptera* Travassos, 1919
 478. *P. indica* Gupta & Johri, 1985
 479. *P. temiminki* Soota & Chaturvedi, 1971
 Genus *Physaloptera* Rudolphi, 1819
 480. *P. accipiteri* Gupta & Kumar, 1976
 481. *P. agarwali* Gupta & Jaiswal, 1991
 482. *P. alata* Rudolphi, 1819
 483. *P. bidentatum* Arya, 1991
 484. *P. brevispiculum* V. Linstow, 1906
 485. *P. masoodi* Mirza, 1934
 486. *P. praeputialis* Linstow, 1906
 Genus *Proleptus* Dujardin, 1845
 487. *P. inflatus* (Linstow, 1890)
 Genus *Pseudophysaloptera* Baylis, 1934

488. *P. simhai* (Gupta & Jaiswal, 1989)
 489. *P. scotophili* Dey Sarkar, 2003
 Genus **Abbreviata** Travassos, 1920
 490. *A. acbari* (Mirza, 1935)
 491. *A. calotisi* Arya, 1979
 492. *A. funambuli* Parihar & Nama, 1978
 493. *A. guptae* Arya, 1979
 494. *A. indica* Arya, 1979
 495. *A. johnsoni* Arya, 1979
 496. *A. kolayatensis* Soota & Chaturvedi, 1969
 497. *A. paradoxa* (Linstow, 1908) Schulz, 1927
 498. *A. kherai* Katoch & Kalia, 1990
 499. *A. thapar* Arya, 1979
 500. *A. varani* (Parona, 1889) Schulz, 1927
 Genus **Thubunaea** Seurat, 1914
 501. *T. asymmetrica* Baylis, 1930
 502. *T. dactyluris* Karve, 1931
 503. *T. mirzai* Narayan, 1941.
 504. *T. quadridentata* Khera, 1951
 505. *T. tulshidasi* Dey Sarkar, 2000
 Family RAPHIDASCARIDIDAE Hartwich, 1954
 Genus **Raphidascaris** Wu, 1949
 506. *R. varani* Baylis & Daubney, 1922
 507. *R. jairajpuri* Gupta & Jaiswal, 1989
 508. *R. mundeswariensis* Patra *et al.*, 2021
 Family RHABDOCHONIDAE Skrjabin, 1946
 Genus **Hepatinema** Rasheed, 1964
 509. *H. kherai* Gupta & Masoodi, 1990
 Genus **Heptochona** Rasheed, 1965
 510. *H. varmai* Gupta & Masoodi, 1990
 Genus **Rhabdochona** Railliet, 1916
 511. *R. (Filochona) kashmirensis* (Thapar, 1950)
 512. *R. (R.) himalayai* Fotedar & Dhar, 1977
 513. *R. guptaii* Gupta & Srivastava, 1982
 514. *R. (Glabochona) barilusi* Soota & Dey Sarkar, 1981
 515. *R. (Glabochona) garuai* Agrawal, 1965
 516. *R. (Glabochona) mazeedi* Prasad & Sahay, 1965
 517. *R. (Glabochona) minima* Moravec & Daniel, 1976
 518. *R. (R.) hellichi* (Sramek, 1901) Chitwood, 1933
 519. *R. (R.) hospeti* Thapar, 1950
 520. *R. (R.) smythi* Agrawal, 1965
 Genus **Rhabdiostomum** Maplestone, 1929
 521. *R. traguli* Maplestone, 1929
 Family RICTULARIIDAE (Hall, 1915) Railliet, 1916
 Genus **Pterygodermatites** Wedl, 1861
 522. *P. cahirensis* Jagerskiold, 1904
 523. *P. (Mesopectines) ratti* Quentin, 1969
 524. *P. (Mesopectines) viverriculae* Dey Sarkar *et al.*, 2007
 Genus **Rictularia** Froelich, 1802
 525. *R. bandicoti* Gupta & Trivedi, 1984
 526. *R. hanumanthai* Gupta & Trivedi, 1984
 527. *R. johrii* Gupta & Trivedi, 1984

528. *R. globosa* Arya, 1979
 529. *R. insapida* Parihar & Nama 1978
 530. *R. jodhpurensis* Singhvi & Johnson, 1976
 531. *R. ratti* Khera, 1954
 532. *R. taterae* Johnson, 1969
 Family ASCAROPSINAE Alicata & McIntosh, 1933
 Genus *Ascarops* Van Beneden, 1873
 533. *A. dentata* (Linstow, 1904) Alicata & McIntosh, 1933
 Family SPIROCERCIDAE (Chitwood & Wehr, 1932) Chabaud, 1975
 Genus *Cylicospirura* Vevers, 1922
 534. *C. (C.) felinea* (Chandler, 1925) Sandground, 1932
 535. *C. (G.) muelieri* Gupta & Trivedi, 1985
 536. *C. (G.) strasseni* (Singh, 1934)
 537. *C. felineus* (Chandler, 1925) Sandground, 1933
 Genus *Gastronodus* Chabaud, 1975
 538. *G. strassenii* (Singh, 1934) Chabaud, 1975
 Genus *Mastophorus* Diesing, 1853
 539. *M. magnus* Khera, 1954
 540. *M. muris* (Gmelin, 1790)
 Genus *Spirocerca* Railliet & Henry, 1911
 541. *S. lupi* (Rudolphi, 1809) Chitwood, 1933
 542. *S. skrjabini* Trivedi & Gupta, 1987
 Genus *Streptopharagus* Balanc, 1912
 543. *S. pigmentus* (V. Linstow, 1897) Railliet & Henry, 1918
 544. *S. kuntzi* Myers, 1954
 Genus *Neospirocerca* Johnson, 1968
 545. *N. rajasthanensis* Johnson, 1968
 Family SPIRURIDAE Oerley, 1885
 Genus *Spiroxys* Schneider, 1866
 546. *S. annulata* Baylis & Daubney, 1922
 547. *S. gangetica* Baylis & Lane, 1920
 548. *S. gubernae* Chakravarty & Majumdar, 1959
 Genus *Protospirura* Seurat, 1914
 549. *P. muris* (Gmelin, 1790) Seurat, 1915
 550. *P. srivastavai* Gupta & Trivedi, 1988
 Genus *Spirura* Blanchard, 1849
 551. *S. leiperi* (Gupta & Trivedi, 1984)
 552. *S. manipuri* Dey Sarkar & Chatterjee, 2004
 553. *S. tupiae* Dey Sarkar *et al.*, 2007
 Genus *Ascarops* van Beneden, 1873
 554. *A. strongylina* (Rud, 1819) Alicata & McIntosh, 1933
 Genus *Physocephalus* Diesing, 1861
 555. *P. primus* Maplestone, 1932
 556. *P. sexalatus* (Molin, 1860) Diesing, 1861
 Genus *Hartertia* Seurat, 1915
 557. *H. nigriceps* Gupta & Nandi, 1975
 558. *H. rajasthanensis* Gupta & Nandi, 1975
 Family TETRAMERIDAE Travassos, 1914
 Genus *Tetrameres* Creplin, 1846
 559. *T. (M.) spiralis* (Seurat, 1915)
 560. *T. (T.) spinose* (Maplestone, 1931)
 Family THELAZIIDAE Skrjabill, 1915

Genus **Ceratospira** Schneider, 1866

561. *C. oculata* Jairajpuri & Siddiqi, 1969

Genus **Oxyspirura** Drasche in Stossich, 1897

562. *O. (B.) grandipapillata* Jairajpuri & Siddiqi, 1967

563. *O. (C.) garoellsis* Dey Sarkar, 1999

564. *O. (B.) malabarica* (Jairajpuri & Siddiqi, 1967)

565. *O. (B.) basiri* (Siddiqi & Jairajpuri, 1964)

566. *O. (B.) buccosulcata* (Singh, 1948)

567. *O. (B.) dicruricola* (Jairajpuri & Siddiqi, 1967)

568. *O. (B.) laharpurensis* (Jairajpuri & Siddiqi, 1967)

569. *O. (B.) longistrata* Soota & Dey Sarkar, 1981

570. *O. (B.) montana* Soota & Dey Sarkar, 1981

571. *O. (B.) solitaria* (Jairajpuri & Siddiqi, 1967)

572. *O. (C.) acuticauda* Jairajpuri & Siddiqi, 1967

573. *O. (C.) dicrurai* Jairajpuri & Siddiqi, 1967

574. *O. (C.) mirzai* Jairajpuri & Siddiqi, 1967

575. *O. (C.) popowi* (Skrjabin, 1929)

576. *O. (H.) indica* (Chandler, 1924)

577. *O. (H.) meropsicola* (Jairajpuri & Siddiqi, 1967)

578. *O. (H.) orientalis* (Jairajpuri & Siddiqi, 1967)

579. *O. (H.) rustica* (Jairajpuri & Siddiqi, 1967)

580. *O. (M.) sturnia* (Jairajpuri & Siddiqi, 1967)

581. *O. (O.) masoni* (Cobbold, 1879)

582. *O. (O.) parmari* (Gupta & Kazim, 1978)

Genus **Thelazia** Bose, 1819

583. *T. (T.) rhodesii* (Desmarest, 1828) Blainville, 1828

584. *T. (Thelaziella) calnpanulata* (Molin, 1858) Railliet & Henry, 1910

585. *T. kimurensis* Dey Sarkar 2003

586. *T. orissae* Majumder & Dey Sarkar, 2004

Family QUIMPERIIDAE (Gendre, 1928) Baylis, 1930

Genus **Chabaudus** Inglis & Ogden, 1965

587. *C. dehradunensis* Rizvi, Bursey & Maity, 2016

Genus **Subulascaris** Baylis, 1936

588. *S. cyanophlyctis* Deshmukh, 1968

589. *S. falcata* (Linstow, 1906) Baylis, 1936

Genus **Gendria** Baylis, 1930

590. *G. chauhani* Nama, 1975

591. *G. ranarum* Karve, 1944

Genus **Buckleynema** Ali & Singh, 1954

592. *B. baylisi* (Gupta & Naqvi, 1985)

593. *B. eutropiichtysi* Gupta & Naqvi, 1985

594. *B. singhi* Rai, 1969

Genus **Paragendria** Baylis, 1939

595. *P. hanumanthai* (Gupta & Jaiswal, 1988)

596. *P. macronis* (Stewart, 1914)

597. *P. madhuai* (Sood, 1973)

598. *P. tewarii* Gupta & Naqvi, 1985

599. *P. vittatusi* Agrawal, 1965

Genus **Paraquimperia** Baylis, 1934

600. *P. manipurensis* Shomorendra & Jha, 2003

Order STRONGYLIDA (Railliet & Henry, 1913)

Family ANCYLOSTOMATIDAE (Looss, 1905)

Genus *Necator* Stiles, 1903

601. *N. americanus* (Stiles, 1902)

Genus *Pseudamidostomum* Maplestone, 1929

602. *P. boulengeri* Maplestone, 1929

Genus *Arthocephalus* Ortlepp, 1915

603. *A. gambiensis* (Ortlepp, 1925)

Genus *Arthrostroma* Cameron, 1927

604. *A. longespiculum* Maplestone, 1932

Genus *Ancylostoma* (Dubini 1843) Creplin, 1845

605. *A. braziliense* Gomez de. Faria, 1910

606. *A. caninum* (Ercolani, 1859) Linstow, 1889

607. *A. ceylanicum* Lane, 1916

608. *A. (A.) duodenale* (Dublin, 1843)

609. *A. duodenale* (Dubini, 1843) Creplin, 1845

610. *A. malayanum* (Alessandrini, 1906) Lane, 1916.

Genus *Gaigeria* Railliet & Henry, 1910

611. *G. pachyscelis* Railliet & Henry, 1910

Genus *Galoncus* Railliet, 1918

612. *G. pernicious* (Railliet, 1918)

Genus *Monodontus* Molin, 1861

613. *M. (Pseudogaigeria) alatus* (Bambroo, 1971)

Genus *Tetragomphius* Suzuki & Araki, 1974

614. *T. procyonis* Baylis & Daubney, 1923

Genus *Bunostomum* Railliet, 1902

615. *B. cobi* Maplestone, 1931

616. *B. phlebotomum* (Railliet, 1900) Railliet, 1902

617. *B. trigonocephalum* (Rud, 1808) Railliet, 1902

Genus *Globocephalus* Molin, 1861

618. *G. connorfilli* Lane, 1922

619. *G. samoensis* Lane, 1922

620. *G. urosubulatus* (Alessandrini, 1909)

Family ANGIOSTRONGYLIDAE (Boehm & Gebauer 1934) Anderson, 1978

Genus *Pulmostrongylus* Hsu, 1935

621. *P. herpestis* (Khera, 1954)

622. *P. palustris* Soota & Chaturvedi, 1970

623. *P. stunkardi* Trivedi, 1987

Family CHABERTIIDAE (Popova, 1952) Lichtenfels, 1980

Genus *Agriostomum* Railliet, 1902

624. *A. vryburgi* Railliet, 1902

625. *A. anseris* (Zeder, 1800)

626. *A. fulicae* Rudolphi, 1819

627. *A. skrjabini* Boulenger, 1926

Genus *Bourgelatioides* Chandler, 1931

628. *B. traguli* Chandler, 1931

Genus *Chabertia* Railliet & Henry, 1909

629. *C. himalayana* Fotedar & Bambroo, 1967

630. *C. ovina* (Gmelin, 1790) Railliet & Henry, 1909

Genus *Dictyocaulus* Railliet & Henry, 1907

631. *D. arnfieldi* (Cobbold, 1884) Railliet & Henry, 1907

632. *D. filaria* (Rudolphi, 1809) Railliet & Henry, 1907

633. *D. viviparus* (Bloch, 1782) Railliet & Henry, 1907

Genus *Epomidiostomum*, Skrjabin 1915

634. *E. anatinum* Skrjabin, 1915
 635. *E. asymmetricum* Jairjपुरi & Siddiqi, 1970
 636. *E. sarkidiorni* Jairjपुरi & Siddiqi, 1970
 637. *E. uncinatum* (Lundahl, 1848)
 Genus **Haemonchus** Cobb, 1898
 638. *H. contortus* (Rudolphi 1803), Cobb 1898
 639. *H. similis* Travassos, 1914
 Genus **Marshallagia** Ransom, 1907
 640. *M. marshalli* (Ransom, 1907) Orloff, 1933
 Genus **Nematodirus** Ransom, 1907
 641. *N. fotedari* Bali, 1972
 642. *N. spathiger* (Railliet, 1896)
 Genus **Oesophagostomum** Molin, 1861
 643. *O. (P.) columbianum* (Curtice. 1890) Stossich, 1899
 644. *O. (B.) radiatum* (Rud. 1803), Railliet, 1898
 645. *O. (B.) curvatum* (Maplestone, 1932)
 646. *O. (C.) blanchardi* Railliet & Henry, 1912
 647. *O. (C.) ovatum* Linstow, 1931
 648. *O. (C.) tridentatum* (Maplestone, 1932)
 649. *O. (H.) asperum* Railliet & Henry, 1913
 650. *O. venulosum* (Rudolphi, 1809)
 651. *O. (O.) brevicaudum* Schwartz et Alicata, 1930
 652. *O. (O.) dentatum* (Rudolphi, 1803) Molin, 1861
 653. *O. (O.) maplestonei* (Schwartz & Alicata, 1930)
 654. *O. (O.) quadrispinulatum* (Marcone, 1901)
 Genus **Trichostrongylus** Looss, 1905
 655. *T. axei* (Cobbold, 1879)
 656. *T. colubriformis* (Giles, 1892) Ransom, 1911
 657. *T. Thapari* Sood, 1966.
 Genus **Bourgelatia** Railliet, Henry & Bouche, 1919
 658. *B. diducta* Railliet, Henry & Bouche 1919
 Genus **Kuntzistrongylus** Licstenfels 1980
 659. *K. indicus* Dey Sarkar *et al.*, 2007
 Family CYATHOSTOMIDAE Cope., 1871
 Genus **Murshidia** Lane, 1914
 660. *M. (M.) indica* (Sundaram *et al.*, 1971)
 661. *M. (M.) murshidia* Lane, 1914
 662. *M. (M.) falcifera* (Cobbold. 1882) Lane, 1915
 Family HELIGMOSOMIDAE (Travassos, 1914) Cram, 1927
 Genus **Longistriata** Schulz, 1926
 663. *L. tripurensis* Dey Sarkar, 2000
 Family MOLINEIDAE (Skrjabin & Schulz. 1937) Durette-Desset & Chabaud, 1977
 Genus **Trichoskrjabinia** Dey Sarkar *et al.*, 2007
 664. *T. mabuyi* Dey Sarkar *et al.*, 2007
 Genus **Oswaldocruzia** Skrjabin et Schulz, 1952
 665. *O. goezi* Skrjabin et Schulz, 1952
 666. *O. kashmirensis* Fotedar, 1980
 667. *O. upica* Gupta *et al.*, 2007
 Genus **Nematodirella** May, 1920
 668. *N. dromedarii* May, 1920
 Family ORNITHOSTRONGYLIDAE (Travassos, 1937) Durette-Desset & Chabaud, 1981
 Genus **Ornithostrongylus** (Travassos, 1937)

669. *O. nicobaricus* Maplestone, 1932
 670. *O. travassosi* Maplestone, 1932
 Family PROTOSTROGYLIDAE
 Genus **Protostrongylus** Kamensky, 1905
 671. *P. rufescens* (Leuckart, 1865) Kamensky, 1905
 Family STRONGLIDAE Baird, 1853
 Genus **Triodontophorus** Looss, 1902
 672. *T. minor* (Looss, 1900) Looss, 1902
 Genus **Equinurbia** Lane, 1914
 673. *E. sipunculiformis* Baird, 1859
 Genus **Khalilia** Neveu-Lemaire, 1924
 674. *K. pileata* Railliet, Henry & Bauché, 1914
 Genus **Quilonia** Lane 1914
 675. *Q. guptai* Gupta & Jaiswal, 1984
 676. *Q. simhai* Gupta & Trivedi, 1984
 Genus **Cyathostomum** Looss, 1900
 677. *C. catinatum* Looss, 1900
 678. *C. labiatum* Looss, 1901
 679. *C. longibursatum* Yorke & Macfie, 1918
 680. *C. nassatum* Looss, 1900
 Genus **Strongylus** Muller, 1780
 681. *S. (Delafondia) vulgaris* (Looss, 1900)
 682. *S. equinus* Muller, 1780
 683. *S. edentatus* (Looss, 1900)
 684. *S. papillosus* (Wedl, 1856)
 Genus **Mammomonogamus** Ryjikov, 1948
 685. *M. laryngeus* (Railliet, 1899) Ryzhikov, 1948
 Genus **Syngamus** Siebold, 1836
 686. *S. trachea* (Montagu, 1811) Chapin, 1925.
 Genus **Varestrongylus** Bhalerao, 1932
 687. *V. pneumonicus* Bhalerao, 1932
 Genus **Stephanurus** Diesing, 1839
 688. *S. dentatus* Diesing, 1839
 Family TRICHOSTROGYLIDAE (Leiper, 1908) Leiper, 1912
 Genus **Cooperia** Ransom, 1907
 689. *C. hrantahensis* Wu, 1965
 Genus **Longistriata** Schulz, 1926
 690. *L. brevispicularis* Singh, 1962
 691. *L. longispicularis* Singh, 1962
 Genus **Mecistocirrus** Railliet & Henry, 1912
 692. *M. digitatus* (Linstow, 1906) Railliet & Henry 1912
 Genus **Ostertagia** Ransom, 1907
 693. *O. occidentalis* Ransom, 1907
 694. *O. ostertagi* (Stiles, 1892) Ransom, 1907
 Genus **Teladorsagia** Andreeva & Satubaldin, 1954
 695. *T. (Ostertagia) circumcincta* (Stadelmann, 1894) Ransom, 1907
 Genus **Nematodirus** Ransom, 1907
 696. *N. helvetianus* May, 1920
 697. *N. filicollis* Rudolphi, 1802
 Genus **Haemonchus** Cobb, 1898
 698. *H. longistipes* Railliet & Henry, 1909

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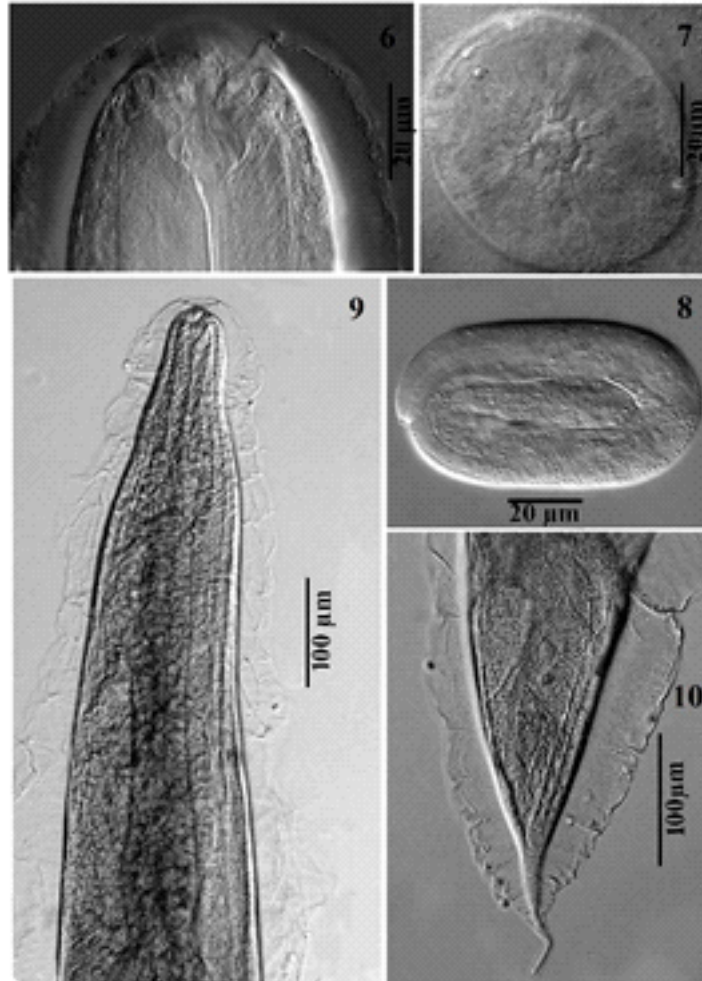


Fig 1: *Rhabdias garhwalensis* Maity *et.al*, 2018 A. Buccal cavity, lateral view. B. *En face* view. C. Larvated egg. D. Anterior end, lateral view. E. Posterior end, lateral view. (Scale bars: A, B, C = 20µm; D, E= 100µm)

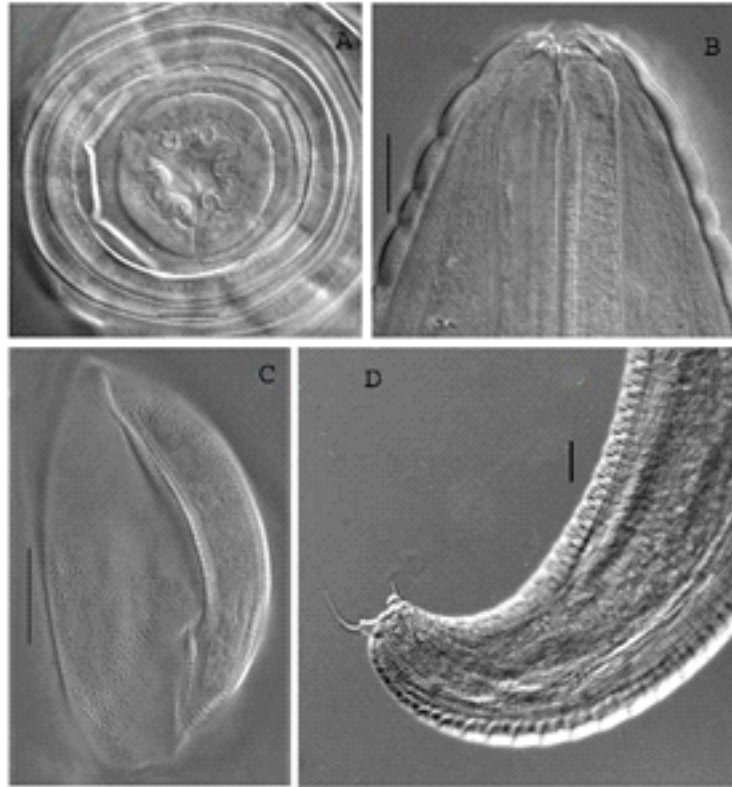


Fig. 2. Photomicrographs of *Parapharyngodon jairajpurii* Rizvi & Bursey, 2013
A. Female, *en face* view. B. Male, anterior end, lateral view. C. Egg, surface punctuations.
D. Male, posterior end, lateral view. (Scale bars: A, B, C = 50 μ m; D= 20 μ m)