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ACANTHOCEPHALA

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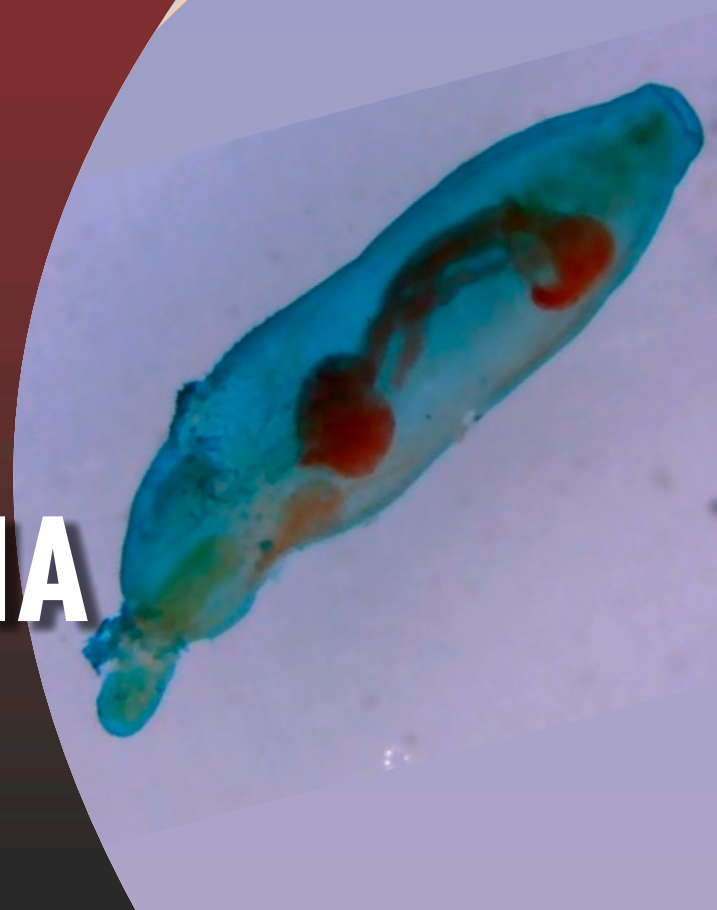
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FAUNA OF INDIA CHECKLIST



ACANTHOCEPHALA

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Introduction: Acanthocephala is a phylum of parasitic worms, commonly known as thorny-headed worms, or spiny-headed worms, characterized by the presence of an eversible proboscis, armed with spines, which it uses to pierce and hold the gut wall of its host. Morphological appearance of body is worm like, somewhat flattened and most species are less than 10-65 cm and few are up to 1 metre. They have complex life cycle, begin their life cycle inside invertebrates that reside in marine or freshwater systems and fishes, birds and mammalians.

Global diversity: This phylum represents a total of 971 described species including 515 species from the marine ecosystems.

Diversity in India: In India, 296 species belonging to 56 genera, 18 families, 8 orders in 3 classes are recorded.

Diversity in States: Indian acanthocephalans are recorded from 32 States and Union Territories whereas no precise location is known for 24 species reported from Indian (Table 1)

Table 1: Acanthocephalans of India, State-wise distribution

Sl. No.	State / Union Territory	No. of Species	No. of Endemic Species
1.	Andhra Pradesh	28	8
2.	Arunachal Pradesh	4	1
3.	Assam	4	0
4.	Bihar	14	7
5.	Chhattisgarh	1	1
6.	Goa	0	5
7.	Haryana	1	0
8.	Himachal Pradesh	2	1
9.	Jharkhand	1	1
10.	Karnataka	4	2
11.	Kerala	52	39
12.	Madhya Pradesh	6	3
13.	Maharashtra	25	15
14.	Manipur	2	1
15.	Meghalaya	21	6
16.	Mizoram	1	0
17.	Nagaland	2	0
18.	Odisha	42	16
19.	Punjab	33	10
20.	Rajasthan	5	3



Sl. No.	State / Union Territory	No. of Species	No. of Endemic Species
21.	Sikkim	11	3
22.	Tamil Nadu	26	14
23.	Telangana	1	0
24.	Tripura	17	4
25.	Uttarpradesh	58	27
26.	Uttarakhand	5	2
27.	West Bengal	39	15
28.	Andaman & Nicobar	9	6
29.	Chandigarh	17	6
30.	Jammu & Kashmir	25	11
31.	Ladakh	2	2
32.	Puducherry	3	1
33.	State Unknown	24	3
	INDIA TOTAL	296	170

Endemism: A total of 170 species are endemic to India.

Habitat: They are endoparasites and found in almost all marine, freshwater and terrestrial animals. Throughout their life cycles, they infect a wide variety of definitive and intermediate hosts, including both vertebrates and arthropods.

Ecological Significance: They respond to changes, particularly in aquatic habitats, and thus serve as good bio-indicators of environmental degradation. They are regarded as a highly successful parasitic group because they infect all vertebrates, including humans.

Human Significance: Because of parasitic nature of acanthocephalans, no human significance has been reported yet. However, two species namely, *Macracanthorhynchus hirudinaceus*, and *Oncicola canis*, are important to veterinary medicine.

Systematic list: Species list cited below (Table 2).

Threatened species: No acanthocephalan species from India is assessed for IUCN threatened categories.

Protected Species as per WPA: No acanthocephalan species is protected under Indian Wildlife (Protection) Act, 1972.

Species under CITES: There is no species enlisted under the CITES Appendices.

Invasive alien species: No acanthocephalan species is reported from India as an invasive.

Gap areas: Even though considering as model organism to study ecology and coevolutionary history of parasitic life cycle in the marine and terrestrial ecosystem, they are one of the poorly documented fauna from many states in India. Because of highly adapted and modified parasites according to their host, many unknown species remains to describe.



Table 2: Acanthocephalans of India

Sl. No.	Species
1.	<i>Apororhynchus bivolucrus</i> Das, 1950
2.	<i>Apororhynchus chauhani</i> Sen, 1975
3.	<i>Mediorhynchus cambellensis</i> Soota, Srivastava & Ghosh, 1969
4.	<i>Mediorhynchus channapettae</i> George & Nadakal, 1984
5.	<i>Mediorhynchus gallinarum</i> (Bhalerao, 1937)
6.	<i>Mediorhynchus papillosus</i> Van Cleave, 1916
7.	<i>Mediorhynchus grandis</i> Van Cleave, 1916
8.	<i>Mediorhynchus indicus</i> Varghese-George, Mathai-Nadakal, Kunjanpillai-Vijayakumaran and Rajendran, 1981
9.	<i>Mediorhynchus mariae</i> George & Nagakal, 1984
10.	<i>Mediorhynchus micracanthus</i> (Rudolphi, 1819)
11.	<i>Mediorhynchus orientalis</i> Belopolskaya, 1953
12.	<i>Mediorhynchus pandei</i> Bhattacharya, 2007
13.	<i>Mediorhynchus passerus</i> Das, 1951
14.	<i>Mediorhynchus peckeri</i> Bhattacharya, 1999
15.	<i>Mediorhynchus quilonensis</i> Bhattacharya, 2007
16.	<i>Mediorhynchus rajasthanensis</i> Gupta, 1976
17.	<i>Mediorhynchus robustus</i> Van Cleave, 1916
18.	<i>Mediorhynchus taeniatus</i> (von Linstow, 1901)
19.	<i>Mediorhynchus thrushi</i> Battacharya, 2000
20.	<i>Moniliformis clarki</i> (Ward, 1917)
21.	<i>Moniliformis kalahariensis</i> Meyer, 1931
22.	<i>Moniliformis moniliformis</i> (Bremser, 1811)
23.	<i>Moniliformis spiralis</i> Subramanian, 1927
24.	<i>Macracanthorhynchus hirudinaceus</i> (Pallas, 1781)
25.	<i>Nephridiacanthus thapari</i> (Sen & Chauhan, 1972)
26.	<i>Oligacanthorhynchus cati</i> (Gupta & Lata, 1968)
27.	<i>Oligacanthorhynchus indicus</i> Rengaraju & Das, 1981
28.	<i>Oligacanthorhynchus shillongensis</i> (Sen and Chauhan, 1972)
29.	<i>Oligacanthorhynchus bangalorensis</i> (Pujatti, 1951)
30.	<i>Oligacanthorhynchus pardalis</i> (Westrumb, 1821)
31.	<i>Prosthenorchis lemuri</i> Machao-Filho, 1950
32.	<i>Acanthocephaloides nicoli</i> (Kumar, 1992)
33.	<i>Acanthocephaloides rhinoplagusiae</i> (Yamaguti, 1935)
34.	<i>Yamagutisensis cochinensis</i> (Gupta, S.P. & Naqvi, 1984)
35.	<i>Heterosentis septacanthus</i> (Sita, 1949)
36.	<i>Heterosentis thapari</i> (Gupta & Fatma, 1979)
37.	<i>Heterosentis dzitowieckii</i> (Kumar, 1992)
38.	<i>Gorgorhynchoides cablei</i> (Gupta & Fatma, 1987)
39.	<i>Gorgorhynchoides golvani</i> (Chandra, Rao & Shyamasundari, 1984)
40.	<i>Gorgorhynchoides indicus</i> Bhattacharya & Banerjee, 2003



Sl. No.	Species
41.	<i>Gorgorhynchoides valiyathurae</i> (Nadakal, John & Jacob, 1990)
42.	<i>Euzetacanthus chorinemusi</i> Gupta & Naqvi, 1984
43.	<i>Euzetacanthus golvani</i> Gupta & Fatma, 1986
44.	<i>Paracanthocephaloides cabelleri</i> (Gupta & Fatma, 1983)
45.	<i>Paracanthocephaloides tripathii</i> Golvan, 1969
46.	<i>Hypoechinorhynchus golvani</i> Gupta and Kumar, 1987
47.	<i>Filisoma indicum</i> Van Cleave, 1928
48.	<i>Filisoma inglisi</i> Gupta & Naqvi, 1984
49.	<i>Filisoma scatophagusi</i> Datta & Soota, 1960
50.	<i>Pseudocavisoma chromatidis</i> (Cable & Quick, 1954)
51.	<i>Sclerocollum robustum</i> (Edmonds, 1964)
52.	<i>Diplosentis manteri</i> Gupta & Fatma, 1979
53.	<i>Acanthocephalus goaensis</i> Jain & Gupta, N. K.
54.	<i>Acanthocephalus hastae</i> Baylis, 1944
55.	<i>Acanthocephalus kashmirensis</i> Datta, 1936
56.	<i>Acanthocephalus manipurensis</i> Bhattacharya, 2007
57.	<i>Echinorhynchus indicus</i> Chandra, Rao & Shyamasundari, 1982
58.	<i>Echinorhynchus orientalis</i> Kaw, 1951
59.	<i>Echinorhynchus veli</i> George & Nadakal, 1981
60.	<i>Pseudoacanthocephalus bufonis</i> (Shiple, 1903)
61.	<i>Pseudoacanthocephalus paratiensis</i> Bhattacharya, 2000
62.	<i>Pseudoacanthocephalus rauschi</i> Gupta, V. & Fatma, 1986
63.	<i>Pseudoacanthocephalus shillongensis</i> Bhattacharya, 1999
64.	<i>Frilloechinorhynchus meyeri</i> (Gupta, S.P. & Naqvi, 1986)
65.	<i>Circinatechinorhynchus pseudorhombi</i> Bhattacharya, 2007
66.	<i>Bullockrhynchus indicus</i> Chandra, Rao & Shyamasundari, 1985
67.	<i>Goacanthus panajiensis</i> Gupta, N.K. & Jain, 1980
68.	<i>Indorhynchus indicus</i> (Tripathi, 1959)
69.	<i>Metarhadinorhynchus thapari</i> Gupta & Gupta, 1975
70.	<i>Pseudorhadinorhynchus cochinesis</i> Gupta & Naqvi, 1983
71.	<i>Pseudorhadinorhynchus deeghai</i> Saxena, 2004
72.	<i>Pseudorhadinorhynchus dhari</i> Kumar, 1992
73.	<i>Pseudorhadinorhynchus dussamacitatum</i> Gupta & Gupta, 1972
74.	<i>Pseudorhadinorhynchus ernakulensis</i> Gupta and Gupta, 1972
75.	<i>Pseudorhadinorhynchus guptai</i> Gupta & Sinha, 1993
76.	<i>Pseudorhadinorhynchus longicollum</i> Gupts and Naqvi, 1986
77.	<i>Pseudorhadinorhynchus machidai</i> Kumar, 1992
78.	<i>Pseudorhadinorhynchus mnobi</i> Gupta & Naqvi, 1986
79.	<i>Pseudorhadinorhynchus nandai</i> Gupta & Sinha, 1993
80.	<i>Pseudorhadinorhynchus orissi</i> Gupta & Fatma, 1986
81.	<i>Pseudorhadinorhynchus srivastavi</i> Gupta & Fatma, 1983



Sl. No.	Species
82.	<i>Telosentis lutianusi</i> Gupta & Gupta, 1989
83.	<i>Telosentis mizellei</i> Gupta & Fatma, 1988
84.	<i>Longicollum cadenati</i> Gupta & Naqvi, 1984
85.	<i>Longicollum engraulisi</i> Gupta and Fatma, 1985
86.	<i>Longicollum indicum</i> Gupta & Gupta, 1970
87.	<i>Longicollum lutiani</i> Jain & Gupta, 1980
88.	<i>Longicollum psettodai</i> Gupta & Gupta, 1979
89.	<i>Longicollum quiloni</i> Gupta & Naqvi, 1984
90.	<i>Paralongicollum sergenti</i> (Choquette & Gayot, 1952)
91.	<i>Pomphorhynchus bufonis</i> Fotedar, Duda & Raina, 1970
92.	<i>Pomphorhynchus bulbocolli</i> Linkins in Van Cleave, 1919
93.	<i>Pomphorhynchus bullocki</i> Gupta & Lata, 1968
94.	<i>Pomphorhynchus dubius</i> Kaw, 1941
95.	<i>Pomphorhynchus jammuensis</i> Fotedar & Dhar, 1974
96.	<i>Pomphorhynchus kashmirensis</i> Kaw, 1941
97.	<i>Pomphorhynchus kawi</i> Fotedar, Dhar & Raina, 1970
98.	<i>Pomphorhynchus laevis</i> (Zoega in Muller, 1776)
99.	<i>Pomphorhynchus megacanthus</i> Fotedar & Dhar, 1974
100.	<i>Pomphorhynchus oreini</i> Fotedar & Dhar, 1974
101.	<i>Pomphorhynchus orientalis</i> Fotedar & Dhar, 1974
102.	<i>Pomphorhynchus tori</i> Fotedar & Dhar, 1974
103.	<i>Tenuiproboscis clupei</i> Gupta & Sinha, 1992
104.	<i>Tenuiproboscis edmondsi</i> Gupta & Naqvi, 1992
105.	<i>Tenuiproboscis ernakulensis</i> Gupta & Naqvi, 1992
106.	<i>Tenuiproboscis guptai</i> Gupta & Sinha, 1990
107.	<i>Cleaveius clupeia</i> (Gupta and Sinha, 1992)
108.	<i>Cleaveius durdanae</i> Kumar, 1992
109.	<i>Cleaveius inglisi</i> (Gupta & Fatma, 1987)
110.	<i>Cleaveius leiognathi</i> Jain & Gupta, 1980
111.	<i>Cleaveius mysti</i> (Sahay & Sinha, 1971)
112.	<i>Cleaveius portblairensis</i> Jain & Gupta, 1979
113.	<i>Cleaveius prashadi</i> (Datta, 1940)
114.	<i>Cleaveius puriensis</i> Gupta & Sinha, 1992
115.	<i>Cleaveius secundus</i> (Tripathi, 1959)
116.	<i>Cleaveius singhai</i> (Gupta & Fatma, 1987) Kumar, 1992
117.	<i>Micracanthorhynchina chandrai</i> Bhattacharya, 2007
118.	<i>Micracanthorhynchina golvani</i> Gupta & Sinha, 1991
119.	<i>Raorhynchus guptai</i> Gupta, P.C. & Kumar, 1987
120.	<i>Raorhynchus meyeri</i> (Heinze, 1934) Golvan, 1969
121.	<i>Raorhynchus polynemi</i> Tripathi, 1959
122.	<i>Raorhynchus schmidtii</i> George & Nadakal, 1978



Sl. No.	Species
123.	<i>Raorhynchus terebra</i> (Rudolphi, 1819) Tripathi, 1959
124.	<i>Raorhynchus thapari</i> Gupta, V. & Fatma, 1981
125.	<i>Rhadinorhynchus cadenati</i> (Golvan & Houin, 1964)
126.	<i>Rhadinorhynchus dollfusi</i> Gupta, V. & Fatma, 1987
127.	<i>Rhadinorhynchus echenesi</i> Gupta, S.P. & Gupta, R.C., 1981
128.	<i>Rhadinorhynchus erumeii</i> (Gupta, V. & Fatma, 1981) Amin, 1985
129.	<i>Rhadinorhynchus ganapatii</i> Chandra, Rao & Shyamasundari, 1985
130.	<i>Rhadinorhynchus hiansi</i> Soota & Bhattacharya, 1981
131.	<i>Rhadinorhynchus keralensis</i> Gupta, V. & Fatma, 1989
132.	<i>Rhadinorhynchus pelamysi</i> Gupta, S.P. & Gupta, R.C., 1980
133.	<i>Rhadinorhynchus polynemi</i> Gupta, N.K. & Lata, 1968
134.	<i>Rhadinorhynchus pristis</i> (Rudolphi, 1802) Luhe, 1911)
135.	<i>Rhadinorhynchus stunkardi</i> Gupta, V. & Fatma, 1987
136.	<i>Rhadinorhynchus trivandricus</i> George & Nadakal, 1978
137.	<i>Gorgorhynchoides cablei</i> (Gupta and Fatma, 1987)
138.	<i>Serrasentis engraulisi</i> Gupta and Gupta, 1980
139.	<i>Serrasentis fotedari</i> Gupta, V. & Fatma, 1980
140.	<i>Serrasentis golvani</i> Gupta, P.C. & Kumar, 1989
141.	<i>Serrasentis indica</i> Singh, Agarwal & Lakshmi, 1998
142.	<i>Serrasentis nadakali</i> George & Nadakal, 1978
143.	<i>Serrasentis psenesi</i> Gupta, S.P. & Gupta, R.C., 1980
144.	<i>Serrasentis sagittifer</i> (Linton, 1889) Linton, 1932
145.	<i>Centrorhynchus albense</i> Rengaraju & Das, 1975
146.	<i>Centrorhynchus aluconis</i> (Muller, 1780) Luhe, 1911
147.	<i>Centrorhynchus amphibius</i> Das, 1950
148.	<i>Centrorhynchus atheni</i> Gupta, V. & Fatma, 1983
149.	<i>Centrorhynchus bengalensis</i> Datta & Soota, (1954) 1958
150.	<i>Centrorhynchus bethaniae</i> George & Nadakal, 1987
151.	<i>Centrorhynchus brama</i> Rengaraju & Das, 1980
152.	<i>Centrorhynchus brevicaudatus</i> Das, 1950
153.	<i>Centrorhynchus buckleyi</i> Gupta, V. & Fatma, 1981
154.	<i>Centrorhynchus buteonis</i> (Schrank, 1788)
155.	<i>Centrorhynchus clitorideus</i> (Meyer, 1931)
156.	<i>Centrorhynchus conspectus</i> Van Cleave & Pratt, 1940
157.	<i>Centrorhynchus itatsinis</i> Fukui, 1929
158.	<i>Centrorhynchus elongatus</i> Yamaguti, 1935
159.	<i>Centrorhynchus fisheri</i> Bhattacharya, 1999
160.	<i>Centrorhynchus giganteus</i> Travassos, 1921
161.	<i>Centrorhynchus globocaudatus</i> (Zeder, 1800)
162.	<i>Centrorhynchus golvani</i> Anantaraman. & Anantaraman, 1969
163.	<i>Centrorhynchus guptai</i> Golvan, 1969



Sl. No.	Species
164.	<i>Centrorhynchus horridus</i> (Linstow, 1897)
165.	<i>Centrorhynchus javanicus</i> Rengaraju & Das, 1975
166.	<i>Centrorhynchus knowlesi</i> Datta & Soota, 1955
167.	<i>Centrorhynchus latai</i> Golvan, 1994
168.	<i>Centrorhynchus longicephalus</i> Das, 1950
169.	<i>Centrorhynchus lucknowensis</i> Gupta, V. & Fatma, 1983
170.	<i>Centrorhynchus macrorchis</i> Das, 1950
171.	<i>Centrorhynchus microcephalus</i> (Bravo-Hollis, 1947)
172.	<i>Centrorhynchus magnus</i> Kukui, 1929
173.	<i>Centrorhynchus milvus</i> Ward, 1956
174.	<i>Centrorhynchus mysentri</i> Gupta, V. & Fatma, 1983
175.	<i>Centrorhynchus owli</i> Bhattacharya, 1999
176.	<i>Centrorhynchus ptyasus</i> Gupta, 1950
177.	<i>Centrorhynchus sharmai</i> Gupta, N.K. & Lata, 1966
178.	<i>Centrorhynchus sholapurensis</i> Rengaraju and Das, 1975
179.	<i>Centrorhynchus sikkinlensis</i> Bhattacharya, 2003
180.	<i>Centrorhynchus smyrnensis</i> Bhattacharya, 2007
181.	<i>Centrorhynchus spilornae</i> Schmidt & Kuntz, 1969
182.	<i>Centrorhynchus spinosus</i> (Kaiser, 1893) Van Cleave, 1924
183.	<i>Centrorhynchus tumidulus</i> (Rudolphi, 1819)
184.	<i>Centrorhynchus tytoensis</i> Rengaraju & Das, 1975
185.	<i>Sphaeroirostris areolatus</i> (Rudolphi, 1819)
186.	<i>Sphaeroirostris cinctus</i> (Rudolphi, 1819)
187.	<i>Sphaeroirostris corvi</i> (Fukui, 1929)
188.	<i>Sphaeroirostris erraticus</i> (Chandler, 1925)
189.	<i>Sphaeroirostris globuli</i> (Nama & Rathore, 1984)
190.	<i>Sphaeroirostris lancea</i> (Westrumb, 1821)
191.	<i>Sphaeroirostris lanceoloides</i> (Petrotschenko, 1949)
192.	<i>Sphaeroirostris maryasis</i> (Datta, 1933)
193.	<i>Sphaeroirostris pinguis</i> (Van Cleave, 1918)
194.	<i>Sphaeroirostris reptans</i> (Bhalerao, 1931)
195.	<i>Sphaeroirostris robustus</i> (Datta, 1928)
196.	<i>Sphaeroirostris saxicoloides</i> (Nama & Rathore, 1984)
197.	<i>Sphaeroirostris opimus</i> (Travassos, 1919)
198.	<i>Sphaeroirostris batrachus</i> (Das, 1952)
199.	<i>Sphaeroirostris turdi</i> (Yamaguti, 1939)
200.	<i>Plagiorhynchus charidrii</i> Yamaguti, 1939
201.	<i>Plagiorhynchus asturi</i> (Gupta & Lata, 1967)
202.	<i>Plagiorhynchus deysarkari</i> Bhattacharya, 2002
203.	<i>Plagiorhynchus kuntzi</i> Gupta and Fatma, 1988
204.	<i>Plagiorhynchus nicobarensis</i> (Soota and Kansal, 1970)



Sl. No.	Species
205.	<i>Owilfordia schmidtii</i> Gupta, V. & Fatma, 1988
206.	<i>Owilfordia teliger</i> (Van Cleave, 1949) Schmidt & Kuntz, 1967
207.	<i>Porrorchis breviacanthus</i> (Das, 1950) Golvan, 1994
208.	<i>Porrorchis chauhani</i> Gupta, V. & Fatma, 1986
209.	<i>Porrorchis crocidurai</i> Gupta, V. & Fatma, 1986
210.	<i>Porrorchis herpistis</i> Bhattacharya, 2007
211.	<i>Porrorchis hylae</i> (Johnston, 1914)
212.	<i>Porrorchis indicus</i> (Das, 1957)
213.	<i>Porrorchis keralensis</i> George & Nadakal, 1984
214.	<i>Porrorchis leibyi</i> Schmidt & Kuntz, 1967
215.	<i>Pseudolueheia arunachalensis</i> Bhattacharya, 2007
216.	<i>Pseudolueheia korathai</i> Gupta, V. & Fatma, 1988
217.	<i>Southwellina sacra</i> Bhattacharya, Pande & Srivastava, 2002
218.	<i>Soithtvellina hispida</i> (Van Cleave, 1925)
219.	<i>Bolbosoma vasculosum</i> (Rudolphi, 1819) Porta, 1908
220.	<i>Filicollis anatis</i> (Schränk, 1788) Luhe, 1911
221.	<i>Arhythmorhynchus tigrinus</i> Moghe & Das, 1953
222.	<i>Polymorphus boschadis</i> (Schränk, 1788)
223.	<i>Polymorphus (Polymorphus) minutus</i> (Goeze, 1782)
224.	<i>Polymorphus mutabilis</i> (Rudolphi, 1819)
225.	<i>Acanthogyrus antespinus</i> (Verma & Datta, 1929)
226.	<i>Acanthogyrus tripathii</i> Rai, 1967
227.	<i>Acanthogyrus betwai</i> (Tripathi, 1956)
228.	<i>Acanthogyrus bilaspurensis</i> (Chowhan, Gupta & Khera, 1987)
229.	<i>Acanthogyrus gobindi</i> (Chowhan, Gupta & Khera, 1987)
230.	<i>Acanthogyrus indicus</i> (Tripathi, 1956)
231.	<i>Acanthogyrus antespinus</i> (Verma & Datta, 1929)
232.	<i>Acanthogyrus putitorae</i> (Chowhan, Gupta & Khera, 1988)
233.	<i>Acanthogyrus seenghalae</i> (Chowhan, Gupta & Khera, 1988)
234.	<i>Acanthogyrus shuklai</i> (Agrawal & Singh, 1982)
235.	<i>Acanthogyrus vanceleavei</i> (Gupta & Fatma, 1986)
236.	<i>Acanthogyrus antespinus</i> (Verma & Datta, 1929)
237.	<i>Acanthogyrus (Acanthogyrus) acanthogyrus</i> Thapar, 1927
238.	<i>Acanthogyrus (Acanthosentis) bacailai</i> (Verma, 1973)
239.	<i>Acanthogyrus (Acanthosentis) cameroni</i> (Gupta & Kajaji, 1969)
240.	<i>Acanthogyrus (Acanthosentis) dattai</i> (Podder, 1938)
241.	<i>Acanthogyrus (Acanthosentis) giuris</i> (Soota & Sen, 1956)
242.	<i>Acanthogyrus (Acanthosentis) golvani</i> (Gupta & Jain, 1980)
243.	<i>Acanthogyrus (Acanthosentis) holospinus</i> (Sen, 1937)
244.	<i>Acanthogyrus (Acanthosentis) sircari</i> (Podder, 1941)
245.	<i>Acanthogyrus (Acanthosentis) thapari</i> (Parasad, Sahay & Shambhunath, 1969)



Sl. No.	Species
246.	<i>Acanthogyrus (Acanthosentis) tilapiae</i> (Baylis, 1948)
247.	<i>Acanthogyrus (Acanthosentis) vittatusi</i> (Verma, 1973)
248.	<i>Pallisentis allahabadi</i> Agarwal, 1958
249.	<i>Pallisentis cavasii</i> Gupta, V. & Verma, 1980
250.	<i>Pallisentis croftoni</i> Mital & Lal, 1981
251.	<i>Pallisentis fasciati</i> Gupta, S.P. & Verma, 1980
252.	<i>Pallisentis fotedari</i> Gupta & Sinha, 1991
253.	<i>Pallisentis indica</i> Mital & Lal, 1981
254.	<i>Pallisentis mehrai</i> Gupta, V. & Fatma, 1986
255.	<i>Pallisentis basiri</i> Farooqi, 1958
256.	<i>Pallisentis clupei</i> Gupta and Gupta, 1980
257.	<i>Pallisentis garuai</i> (Sahay, Sinha and Ghosh, 1971)
258.	<i>Pallisentis gontii</i> Gupta and Verma, 1980
259.	<i>Pallisentis guntei</i> Sahay, Nath and Sinha, 1967
260.	<i>Pallisentis guptai</i> Gupta and Fatma, 1986
261.	<i>Pallisentis fotedari</i> Gupta and Sinha, 1991
262.	<i>Pallisentis ophiocephali</i> (Thapar, 1931)
263.	<i>Pallisentis jagani</i> Koul, Raina, Bambroo and Koul, 1992
264.	<i>Pallisentis nagpurensis</i> (Bhalerao, 1931)
265.	<i>Pallisentis nandai</i> Sarkar, 1953
266.	<i>Pallisentis (Pallisentis) colisai</i> Sarkar, 1954
267.	<i>Raosentis dattai</i> Gupta, V. & Fatma, 1986
268.	<i>Raosentis ivansiosi</i> George & Nadakal, 1978
269.	<i>Raosentis poddari</i> Datta, 1947
270.	<i>Raosentis thapari</i> Rai, 1967
271.	<i>Quadrigrus guptai</i> Gupta & Sinha, 1992
272.	<i>Quadrigrus simhai</i> Gupta, V. & Fatma, 1986
273.	<i>Gracilisentis mugilis</i> Gupta, N.K. & Lata, 1968
274.	<i>Gracilisentis gracilisentis</i> Gupta and Lata 1986
275.	<i>Gracilisentis variabilis</i> Gupta and Lata, 1968
276.	<i>Neoechinorhynchus agilis</i> (Rudolphi, 1819)
277.	<i>Neoechinorhynchus manasbalensis</i> Kaw, 1951
278.	<i>Neoechinorhynchus argentatus</i> Chandra, Rao & Shyamasundari, 1987
279.	<i>Neoechinorhynchus bangoni</i> Tripathi, 1959
280.	<i>Neoechinorhynchus chilkaensis</i> Poddar, 1937
281.	<i>Neoechinorhynchus cirrhinae</i> Gupta, N.K. Jain, 1979
282.	<i>Neoechinorhynchus indicus</i> Gudivada, Chikkam & Vankara, 2010
283.	<i>Neoechinorhynchus cyanophlyctis</i> Kaw, 1951
284.	<i>Neoechinorhynchus dattai</i> Golvan, 1994
285.	<i>Neoechinorhynchus devdevi</i> (Datta, 1936)
286.	<i>Neoechinorhynchus glyptosternumi</i> Fotedar & Dhar, 1977



Sl. No.	Species
287.	<i>Neoechinorhynchus hutchinsoni</i> Datta, 1936
288.	<i>Neoechinorhynchus johnii</i> Yamaguti, 1939
289.	<i>Neoechinorhynchus kallarensis</i> George & Nadakal, 1978
290.	<i>Neoechinorhynchus nematalosi</i> Tripathi, 1959
291.	<i>Neoechinorhynchus oreini</i> Fotedar, 1968
292.	<i>Neoechinorhynchus ovalis</i> Tripathi, 1959
293.	<i>Neoechinorhynchus rigidus</i> (Van Cleave, 1928) Kaw, 1951
294.	<i>Neoechinorhynchus sootai</i> Bhattacharya, 1999
295.	<i>Neoechinorhynchus topseyi</i> Poddar, 1937
296.	<i>Neoechinorhynchus tylosuri</i> Yamaguti, 1939

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