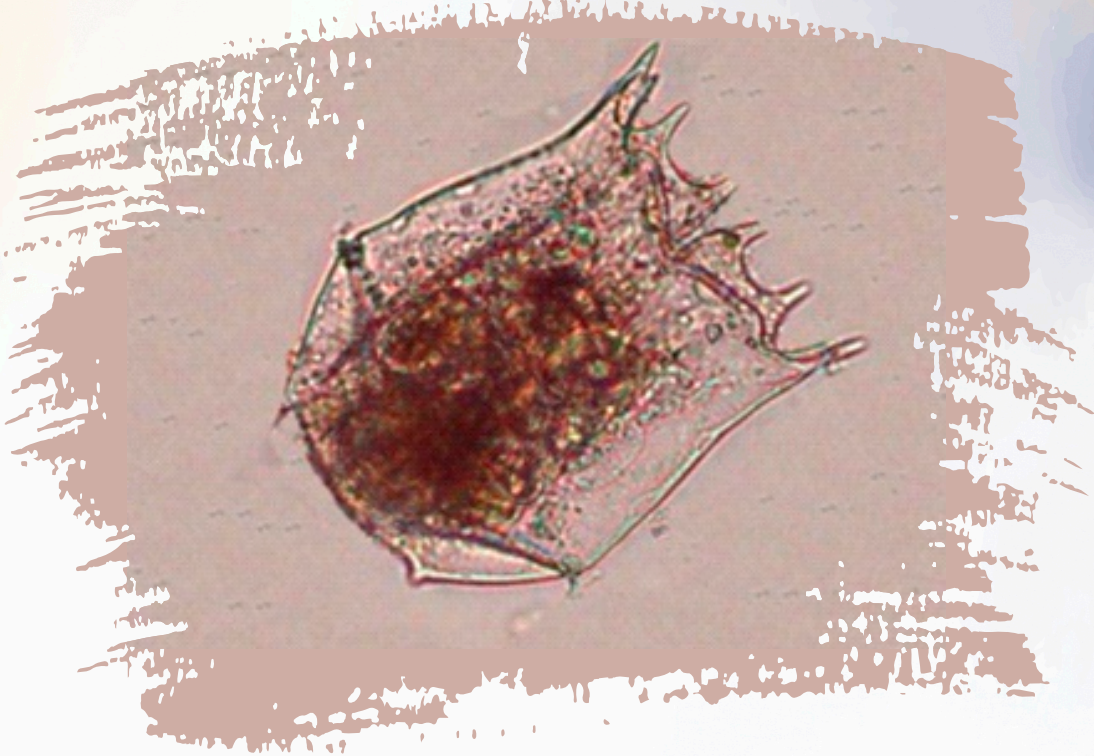


FAUNA OF INDIA CHECKLIST

JULY 2024

ONLINE VERSION 1.0



ROTIFERA

Chitra J

Zoological Survey of India, Headquarters, Kolkata - 700 053, chitrajayapalan@gmail.com:
<https://orcid.org/0000-0002-3722-6236>

DOI:<https://doi.org/10.26515/Fauna/1/2023/Rotifer>

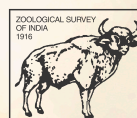
Keywords: Rotifera, Wheel Animalcules, Plankton, Checklist

Citation: Chitra, J (2024). Fauna of India Checklist: Rotifera. Version1.0. Zoological Survey of India.
DOI:<https://doi.org/10.26515/Fauna/1/2023/Rotifer>

Comments on the Checklist:

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

zsifaunachecklists@gmail.com and
chitrajayapalan@gmail.com



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

ROTIFERA

Chitra J

Zoological Survey of India, Headquarters, Kolkata - 700 053, chitrajayapalan@gmail.com; <https://orcid.org/0000-0002-3722-6236>

Introduction: The rotifer or wheel animalcules (Rotatoria) is a large class of the pseudo coelomate metazoans. They occur in fresh water and few in marine habitats as athalassohaline. They are sessile, associated with littoral substrates and are planktonic. They are soft bodied and had wider variation in their morphology, possess cilia namely corona utilized in feeding and locomotion, trophi and the mastax. Body size varied from 40 to 2000 microns. Among Rotifera the bdelloids lead parthenogenesis and few monogononta undergo sexually reproduction (Thorp and Roger, 2015).

Global diversity: About 2030 species of rotifers reported by 3 species from seisonida, 1570 species from monogononta and 461 species from Bdelloidea reported globally (Segers, 2007).

Diversity in India: Based on the available literature sources on rotifera from various states, union territories of India among freshwaters, marine and coastal waters recorded were compiled. Rotifera comprises about 503 species belonging to 76 genera and 28 families in 5 orders and 2 super orders and 2 sub classes.

Rotifer Diversity State-wise in India (Table.1)

Sl.No.	State/Union Territory	No. Species	No. Endemic Species
1	Andhra Pradesh	119	4
2	Arunachal Pradesh	173	1
3	Assam	254	0
4	Bihar	82	0
5	Chhattisgarh	23	0
6	Gujarat	26	4
7	Goa	11	0
8	Haryana	35	0
9	Himachal Pradesh	21	0
10	Jharkhand	15	0
11	Karnataka	79	0
12	Kerala	68	1
13	Madhya Pradesh	41	0
14	Maharashtra	58	0
15	Manipur	208	0
16	Meghalaya	181	1
17	Mizoram	160	1
18	Nagaland	155	0
19	Odisha	111	0

Sl.No.	State/Union Territory	No. Species	No. Endemic Species
20	Punjab	55	0
21	Rajasthan	72	0
22	Sikkim	24	0
23	Tamil Nadu	170	0
24	Telangana	53	0
25	Tripura	127	1
26	Uttar Pradesh	56	0
27	Uttarakhand	40	0
28	West Bengal	130	5
29	Andaman & Nicobar	113	0
30	Chandigarh	0	0
31	Dadra Nagar Haveli, Daman & Diu	2	0
32	Delhi	114	0
33	Jammu & Kashmir	224	0
34	Ladakh	0	0
35	Lakshadweep	3	0
36	Puducherry	0	0
	INDIA TOTAL	503 species	13 species

Endemism: About 13 species *Asplanchnopus bhimavaramensis* of Asplanchnidae *Platyias quadricornis andhraensis* Dhanapathi of brachionidae *Collotheca hexalobata* Banik, *C. tetralobata* Banik, *Lecane jaintiaensis* Sharma, *L. schraederi* Wulfert, *L. pawlowski* Wulfert, *L. vasishti* Sharma, *Lepadellakostei* Wulfert, *L. nartiagensis* Shrama & Sharma, *Platyias quadricornis andhraensis* Dhanapathi, *Proales indirae* Wulfert, *Pseudoeuchlanis longipedes* Dhanapati, and *Rotaria ovata* (Anderson) were reported endemic to India.

Habitat: They occurs in all freshwater (lakes, ponds, reservoirs, ponds, rivers, streams, puddles), coastal waters and marine waters, few occurs in mosses, liverworts and interstitial soil and sediments.

Ecological Significance: They act as bio indicators of aquatic system and also as live feed for higher invertebrates in the natural waterbodies and in aquaculture industries.

Human Significance: Influence of pollution through anthropogenic sources to aquatic system affects the rotifer population.

Invasive alien species: *Kellicottia longispina* (Kellicott 1879) of family brachionidae was reported to be invasive in Indian coastal waters (Bomfim, 2016).

Gap areas: Several families of rotifer especially Birgeidae, Clariidae, Cotylegaleatidae, microcodidae, Tetrastichidae and seisonidae are still unexplored from India. Many freshwater systems, wetlands including ramsar sites of India and few states and union territories including Ladakh, Chandigarh, Lakshadweep, Puducherry and Dadra Nagerhaveli and Daman & Diu are still unexplored. Very least investigations noticed in Chattisgarh, Gujarat, Goa, Haryana, Himachal Pradesh, Jharkhand, Madhya Pradesh, Maharashtra, Punjab, Telangana, Uttar Pradesh and Uttarakhand to be focused to explore on the rotifer distribution and diversity.

Systematic list: From the published literature and reports of all the taxa reported till date from India from various habitats were compiled, 503 valid species were documented and list of the taxa is presented.,

Systematic list of Rotifera

Phylum Rotifera

Class Eurotaria De Riddler, 1957

Super order Digononta Bastos, 1959

Order Bdelloidea Hudson, 1884

Order Adinetida Melone & Ricci, 1995

Family Adenetidae Hudson & Gosse, 1886

- 1 *Adineta longicornis* Murray, 1906
- 2 *Adineta vaga* Davis, 1873

Order Philodinaida Melone and Ricci, 1995

Family Philodinavidae Harring, 1913

- 3 *Philodinavus paradoxus* (Murray, 1905)

Order Philodonida Melone & Ricci, 1995

Family Habrotrochidae Harring, 1913

- 4 *Habrotrocha angusticollis* (Murray 1905)
- 5 *Habrotrocha angusticollis attenuata* (Murray, 1906)
- 6 *Habrotrocha aspera* (Bryce, 1892)
- 7 *Habrotrocha bidens* (Gosse, 1851)
- 8 *Habrotrocha lata* (Bryce, 1892)
- 9 *Habrotrocha leitgebii* (Zelinka, 1886)
- 10 *Habrotrocha microcephala* (Murray, 1906)
- 11 *Habrotrocha nodosa* (Murray, 1906)
- 12 *Habrotrocha perforata* (Murray, 1906)
- 13 *Macrotrachela formosa* (Murray, 1906)
- 14 *Macrotrachela habita* (Bryce, 1894)
- 15 *Macrotrachela multispinosa* Thompson, 1892
- 16 *Macrotrachela muscosa* Milne, 1886
- 17 *Macrotrachela papillosa* Thompson, 1892
- 18 *Macrotrachela plicata* (Bryce, 1892)
- 19 *Macrotrachela quadricornifera* Milne, 1886

Family Philodinidae Remane, 1933

- 20 *Dissotrocha aculeata* (Ehrenberg, 1830)
- 21 *Philodina brevipes* Murray, 1902
- 22 *Philodina citrina* Ehrenberg, 1832
- 23 *Philodina flaviceps* Bryce, 1906
- 24 *Philodina gregaria* (Murray, 1910)
- 25 *Philodina indica* Murray, 1906
- 26 *Philodina megalotrocha* (Ehrenberg 1832)
- 27 *Philodina roseola* Ehrenberg, 1832
- 28 *Philodina squamosa* Murray, 1906
- 29 *Philodina vorax* Janson, 1893

- 30 *Pseudoembata acutipoda* Wycliffe & Michael, 1968
 31 *Rotaria citrina* (Ehrenberg, 1838)
 32 *Rotaria macroceros* Gosse, 1851
 33 *Rotaria neptunia* (Ehrenberg, 1830)
 34 *Rotaria ovata* (Anderson, 1889)
 35 *Rotaria rotatoria* (Pallas, 1766)
 36 *Rotaria sordida* (Western, 1893)
 37 *Rotaria sordida fimbriata* (Murray, 1906)
 38 *Rotaria tardigrada* (Ehrenberg, 1830)
 39 *Rotifer tridentatus* Stewart, 1908

Subclass Monogononta Plate, 1889

Super order Gnesiotrocha Kutikova, 1970

Order Collotheceae Haring, 1913

Family Atrochidae

- 40 *Cupelopagis vorax* (Leidy, 1857)

Family Collotheceidae

- 41 *Collothea ambigua* (Hudson, 1883)
 42 *Collothea campanulata* (Dobie, 1849)
 43 *Collothea hexalobata* Banik, 2002
 44 *Collothea ornata* (Ehrenberg, 1830)
 45 *Collothea pelagica* (Rousselet, 1893)
 46 *Collothea tetralobata* Banik, 2002
 47 *Stephanoceros fimbriatus* (Goldfusz, 1820)

Family Conochilidae Bartos, 1959

- 48 *Conochilus arboreus* Rajendran, 1971
 49 *Conochilus dossuarius* Hudson, 1885
 50 *Conochilus hippocrepis* (Schrank, 1803)
 51 *Conochilus madurai* Michael, 1966
 52 *Conochilus natans* (Seligo, 1900)
 53 *Conochilus unicornis* (Rousselet 1892)

Family Flosculariidae

- 54 *Floscularia conifera* (Hudson, 1886)
 55 *Floscularia ringens* Linnaeus, 1758
 56 *Lacinularia flosculosa* (Muller, 1773)
 57 *Limnias ceratophylli* Schrank, 1803
 58 *Limnias melicerta* Weisse, 1848
 59 *Ptygura barbata* (Edmondson, 1939)
 60 *Ptygura kostei* Jose De Paggi, 1996
 61 *Sinanotherina semibullata* (Thorpe, 1893)
 62 *Sinanotherina socialis* (Linnaeus, 1758)
 63 *Sinanotherina spinosa* (Thorpe, 1893)

Family Hexarthridae Bartos, 1959

- 64 *Hexarthra bulgarica* (Wiszniewski, 1933)
 65 *Hexarthra intermedia* (Wiszniewski 1929)
 66 *Hexarthra mira* (Hudson 1871)

Family Testudinellidae Bartos, 1959

- 67 *Pompholyx complanata* (Gosse, 1851)
 68 *Pompholyx sulcata* Hudson, 1885
 69 *Testudinella amphora* Hauer, 1938
 70 *Testudinella brevicaudata* Yamamoto 1951
 71 *Testudinella caeca* (Parsons, 1892)
 72 *Testudinella elliptica* (Ehrenberg, 1834)
 73 *Testudinella emarginula* (Stenroos, 1898)
 74 *Testudinella greeni* Koste, 1981
 75 *Testudinella insinuata* Hauer, 1938
 76 *Testudinella mucronata* (Gosse, 1886)
 77 *Testudinella parva* (Ternetz, 1892)
 78 *Testudinella patina* (Hermann, 1783)
 79 *Testudinella patina dendradena* Beauchamp, 1955
 80 *Testudinella tridentata* Smimov, 1931
 81 *Testudinella walkeri* Koste & Shiel, 1980

Family Trochosphaeridae Bartos, 1959

- 82 *Filinia brachiata* Rousset, 1901
 83 *Filinia camasecla* Myers, 1938
 84 *Filinia cornuta* (Weisse, 1848)
 85 *Filinia longiseta* (Ehrenberg, 1834)
 86 *Filinia minuta* (Smirnov, 1928)
 87 *Filinia opoliensis* (Zacharias, 1898)
 88 *Filinia pejlery* (Hutchinson, 1964)
 89 *Filinia saltator* (Gosse, 1886)
 90 *Filinia terminalis* (Plate, 1886)
 91 *Horaella brehmi* (Donner 1949)
 92 *Trochosphaera aequatorialis* Semper, 1872
 93 *Trochosphaera solstitialis* (Thorpe 1893)

Super order Pseudotrocha Kutikova, 1970**Order Ploima Hudson & Gosse, 1886****Family Asplanchnidae Harring & Myers, 1926**

- 94 *Asplanchna brightwelli* (Gosse, 1850)
 95 *Asplanchna herricki* Guerne, 1888
 96 *Asplanchna intermedia* Hudson, 1886
 97 *Asplanchna priodonta* Gosse, 1850
 98 *Asplanchna sieboldi* (Leydig, 1854)
 99 *Asplanchnopus bhimavarensis* Dhanapathi, 1975
 100 *Asplanchnopus hyalinus* Harring, 1913
 101 *Asplanchnopus mutliceps* (Schrank 1793)
 102 *Asplanchnopus myrmeleo* (Ehrenberg, 1834)
 103 *Harringia rousseti* de Beauchamp, 1911

Family Brachionidae Ehrenberg, 1838

- 104 *Anuraeopsis coelata* (De Beauchamp, 1932)
 105 *Anuraeopsis fissa* (Gosse, 1851)

- 106 *Anuraeopsis navicula* Rousselet, 1911
- 107 *Brachionus aculeatus* (Hauer, 1937)
- 108 *Brachionus ahlstromi* Lindeman, 1939
- 109 *Brachionus angularis bidens* Plate, 1886
- 110 *Brachionus angularis* Gosse, 1851
- 111 *Brachionus bennini* Leissling, 1924
- 112 *Brachionus bidentatus* Anderson, 1889
- 113 *Brachionus bidentatus* f. *testudinarius* Jakubski, 1912
- 114 *Brachionus bidentatus* var. *crassispineus* Hauer, 1963
- 115 *Brachionus brevispina* Sudzuki & Huang, 1997
- 116 *Brachionus budapestinensis* (Daday 1885)
- 117 *Brachionus calyciflorus borgerti* (Apstein, 1907)
- 118 *Brachionus calyciflorus* Pallas, 1766
- 119 *Brachionus caudatus* Barrois and Daday, 1894
- 120 *Brachionus chelonis* Ahlstrom, 1940
- 121 *Brachionus dichotomus reductus* Koste & Shiel, 1980
- 122 *Brachionus dichotomus* Shephard, 1911
- 123 *Brachionus dimidiatus* Bryce, 1931
- 124 *Brachionus diversicornis* Daday, 1883
- 125 *Brachionus donneri* Brehm, 1951
- 126 *Brachionus durgae* Dhanapathi, 1974
- 127 *Brachionus falcatus reductus* Koste & Shiel, 1987
- 128 *Brachionus falcatus* Zacharias, 1898
- 129 *Brachionus forficula* f. *minor* (Voronkov, 1913)
- 130 *Brachionus forficula* f. *urawaensis* Sudzuki, 1955
- 131 *Brachionus forficula* var. *keralaiensis* Nayar & Nair, 1969
- 132 *Brachionus forficula* Wierzejski, 1891
- 133 *Brachionus havanaensis* Rousselet, 1911
- 134 *Brachionus kostei* Shiel, 1983
- 135 *Brachionus leydigi* Cohn, 1862
- 136 *Brachionus lyratus* Shephard, 1911
- 137 *Brachionus mirabilis* (Daday, 1897)
- 138 *Brachionus muelleri* Ehrenberg, 1834
- 139 *Brachionus murphyi* Sudzuki, 1989
- 140 *Brachionus nilsoni* Ahlstrom, 1940
- 141 *Brachionus patulus* (O. F. Muller 1786)
- 142 *Brachionus plicatilis* (Muller, 1786)
- 143 *Brachionus pterodinoides* Rousselet, 1913
- 144 *Brachionus quadricornis* Meissner, 1902
- 145 *Brachionus quadridentatus* Hermann, 1783
- 146 *Brachionus quadridentatus urawensis* Sudzuki, 1964
- 147 *Brachionus rotundiformis* Tschugunoff, 1921
- 148 *Brachionus rubens* (Ehrenberg, 1838)
- 149 *Brachionus sessilis* Varga, 1951
- 150 *Brachionus srisumona* Segers, Kotethip & Sanoamuang, 2004

- 151 *Brachionus urceolaris* O. F. Muller, 1773
 152 *Brachionus urceus* (Linnaeus, 1758)
 153 *Brachionus variabilis* Hempel, 1896
 154 *Kellicottia longispina* (Kellicott 1879)
 155 *Keratella canadensis* Berzins, 1954
 156 *Keratella cochlearis* (Gosse, 1851)
 157 *Keratella crassa* Ahlstrom, 1943
 158 *Keratella edmondsoni* Ahlstrom, 1943
 159 *Keratella hiemalis* Carlin, 1943
 160 *Keratella javana* Hauer, 1937
 161 *Keratella lenzi* Hauer, 1953
 162 *Keratella procurva* (Thorpe, 1891)
 163 *Keratella quadrata* (Muller 1786)
 164 *Keratella quadrata* var. *tropica* f. *aspina* Fadeev, 1927
 165 *Keratella serrulata* (Ehrenberg, 1838)
 166 *Keratella stipitata* Ehrenberg, 1834
 167 *Keratella tecta* (Gosse, 1851)
 168 *Keratella ticinensis* (Callerio, 1920)
 169 *Keratella tropica* (Apstein, 1907)
 170 *Keratella valga* Ehrenberg, 1834
 171 *Notholca acuminata* Ehrenberg, 1832
 172 *Notholca caudata* Carlin, 1943
 173 *Notholca cornuta* Carlin, 1943
 174 *Notholca labis* Gosse, 1887
 175 *Notholca scaphula* Stewart, 1908
 176 *Notholca squamula* (O.F. Muller, 1786)
 177 *Notholca striata* (Muller, 1786)
 178 *Plationus patulus* (O.F. Muller, 1786)
 179 *Plationus patulus macracanthus* (Daday, 1905)
 180 *Plationus polyacanthus* (Ehrenberg, 1834)
 181 *Platylas leloupi* (Gillard, 1957)
 182 *Platylas quadricornis andhraensis* Dhanapathi, 1974
 183 *Platylas quadricornis* (Ehrenberg, 1832)

Family Dicranophoridae Remane, 1933

- 184 *Dicranophoroides caudatus* (Ehrenberg 1834)
 185 *Dicranophorus dolerus* Haring and Myers, 1928
 186 *Dicranophorus epicharis* Haring & Myers, 1928
 187 *Dicranophorus forcipatus* (Muller, 1786)
 188 *Dicranophorus hauerianus* Wiszniewski, 1939
 189 *Dicranophorus luetkeni* (Bergendal, 1892)
 190 *Dicranophorus myriophylli* (Haring, 1913)
 191 *Dicranophorus robustus* Haring & Myers, 1928
 192 *Dicranophorus tegillus* Haring and Myers, 1928
 193 *Encentrum felis* (O. F. Muller, 1773)
 194 *Encentrum marinum* (Dujardin, 1841)

195 *Pedipartia gracilis* Myers, 1936

196 *Wierzejskiella ricciae* (Harring, 1913)

Family Epiphanidae Harring, 1913

197 *Epiphanes brachionus* (Ehrenberg, 1837)

198 *Epiphanes brachionus spinosus* (Rousselet, 1901)

199 *Epiphanes clavulata* (Ehrenberg 1831)

200 *Epiphanes macroura* (Barrois & Daday, 1894)

201 *Epiphanes senta* (O.F. Muller, 1773)

202 *Mikrocodides chlaena* (Gosse, 1886)

203 *Proalides subtilis* Rodewald 1940

Family Euchlandiae Bartos, 1959

204 *Beauchampiella crucigere* Dutrochet, 1812

205 *Beauchampiella eudactylota* (Gosse, 1886)

206 *Dipleuchlanis ornata* Segers, 1993

207 *Dipleuchlanis propatula* (Gosse, 1886)

208 *Diplois daviesiae* Gosse, 1886

209 *Euchlanis alata* Voronkov, 1912

210 *Euchlanis calpidia* (Myers, 1930)

211 *Euchlanis dapidula* Parise, 1966

212 *Euchlanis deflexa* Gosse, 1851

213 *Euchlanis dilatata* (Ehrenberg 1830)

214 *Euchlanis incisa* Carlin, 1939

215 *Euchlanis meneta* Myers, 1930

216 *Euchlanis oropha* Gosse, 1887

217 *Euchlanis semicarinata* Segers, 1993

218 *Euchlanis triquetra* Ehrenberg, 1838

219 *Pseudoeuchlanis longipedis* Dahanapathi, 1978

220 *Tripleuchlanis plicata* (Levander, 1894)

Family Gastropodidae Remane, 1933

221 *Ascomorpha ecaudis* Perty, 1850

222 *Ascomorpha ovalis* (Bergendal, 1892)

223 *Ascomorpha saltans* (Bartsch 1870)

224 *Ascomorphella volvocicola* (Plate, 1886)

225 *Gastropus hyptopus* (Ehrenberg, 1838)

226 *Gastropus minor* (Rousselet, 1892)

227 *Gastropus stylifer* Imhof, 1891

Family Ituridae Sudzuki, 1964

228 *Itura aurita* (Ehrenberg, 1830)

Family Lecanidae Bartos, 1959

229 *Lecane acanthinula* Hauer, 1938

230 *Lecane aculeata* (Jakubski, 1912)

231 *Lecane aeganea* Harring, 1914

232 *Lecane arcata* (Harring & Myers 1926)

233 *Lecane arcuata* (Bryce, 1891)

234 *Lecane arcula* Harring, 1914

- 235 *Lecane aspasia* Myers, 1917
 236 *Lecane batilifer* (Murray, 1913)
 237 *Lecane bidentata* Dhanapathi, 1976
 238 *Lecane bifastigata* Hauer, 1938
 239 *Lecane bifurca* (Bryce, 1892)
 240 *Lecane blachei* Berzins, 1973
 241 *Lecane braumi* Koste, 1988
 242 *Lecane bulla* (Gosse, 1851)
 243 *Lecane bulla diabolica* (Hauer, 1936)
 244 *Lecane calcaria* Harring & Myers, 1926
 245 *Lecane clara* Bryce, 1892
 246 *Lecane closterocerca* (Schmarda, 1859)
 247 *Lecane conspicua* (Hauer, 1936)
 248 *Lecane copeis* Harring & Myers, 1926
 249 *Lecane cornuta f. anglica* (Bryce, 1924)
 250 *Lecane crenata* (Harring, 1913)
 251 *Lecane crepida var. bengalensis* (Sharma, 1978)
 252 *Lecane crepida* Harring 1914
 253 *Lecane curvicornis* (Murray, 1913)
 254 *Lecane curvicornis f. acronycha* Harring & Myers, 1926
 255 *Lecane decipiens* (Murray, 1913)
 256 *Lecane depressa* (Bryce, 1891)
 257 *Lecane dorsicalis* Arora, 1965
 258 *Lecane dorysimilis* Trinh Dang, Segers and Sanoamuang, 2015
 259 *Lecane doryssa* Harring, 1914
 260 *Lecane elachis* (Harring and Myers 1926)
 261 *Lecane elasma* (Harring and Myers 1926)
 262 *Lecane elegans* Harring, 1914
 263 *Lecane elongata* Harring & Myers 1926
 264 *Lecane eswari* Dahanapathi, 1976
 265 *Lecane flexilis* (Gosse, 1886)
 266 *Lecane furcata* (Murray, 1913)
 267 *Lecane glypta* Harring and Myers, 1926
 268 *Lecane grandis* (Murray 1913)
 269 *Lecane haliclysta* Harring & Myers, 1926
 270 *Lecane hamata* (Stokes, 1896)
 271 *Lecane harnata* (Murray 1913)
 272 *Lecane hastata* (Murray, 1913)
 273 *Lecane hornemanni* (Ehrenberg, 1834)
 274 *Lecane inermis* (Bryce, 1892)
 275 *Lecane inopinata* Harring & Myers, 1926
 276 *Lecane isanensis* Sanoamuang and Savatentalinton, 2001
 277 *Lecane jaintiaensis* Sharma, 1987
 278 *Lecane lateralis* Sharma, 1978
 279 *Lecane latissima* Yamamoto, 1955

- 280 *Lecane lauterborni* Hauer, 1924
 281 *Lecane leontina* (Turner, 1892)
 282 *Lecane levistyla* (Olofsson, 1917)
 283 *Lecane ligona* (Dunlop, 1901)
 284 *Lecane longidactyla* Arora, 1965
 285 *Lecane ludwigi* (Eckstein 1883)
 286 *Lecane luna* (O. F. Muller, 1776)
 287 *Lecane lunaris* (Ehrenberg, 1832)
 288 *Lecane marchantaria* Koste and Robertson, 1983
 289 *Lecane monostyla* (Daday, 1897)
 290 *Lecane nana* (Murray, 1913)
 291 *Lecane nitida* (Murray, 1913)
 292 *Lecane niwati* Segers, Kothetip and Sanoamuang, 2004
 293 *Lecane obtusa* (Murray, 1913)
 294 *Lecane ohioensis* (Herrick 1885)
 295 *Lecane ovalis* (Jakubski, 1914)
 296 *Lecane papuana* (Murray, 1913)
 297 *Lecane paradecipiens* (Nayar , 1968)
 298 *Lecane pawlowskii* Wulfert, 1966
 299 *Lecane paxiana* Hauer, 1940
 300 *Lecane pertica* Haring & Myers, 1926
 301 *Lecane punctata* (Murray, 1913)
 302 *Lecane pusilla* Haring, 1914
 303 *Lecane pyriformis* (Daday, 1905)
 304 *Lecane quadridentata* (Ehrenberg, 1830)
 305 *Lecane rhenana* Hauer, 1929
 306 *Lecane rhytida* Haring & Myers, 1926
 307 *Lecane rugosa* (Haring, 1914)
 308 *Lecane ruttneri* Hauer, 1938
 309 *Lecane schraederi* Wulfert, 1966
 310 *Lecane scutata* (Haring and Myers, 1926)
 311 *Lecane shieli* Segers and Sanoamuang, 1994
 312 *Lecane signifera* (Jennings, 1896)
 313 *Lecane signifera ploensis* (Voight, 1902)
 314 *Lecane simonneae* Segers, 1993
 315 *Lecane sinuata* (Hauer, 1938)
 316 *Lecane sola* Hauer, 1936
 317 *Lecane solfatara* (Hauer, 1938)
 318 *Lecane stenroosi* (Meissner, 1908)
 319 *Lecane stichaea* Haring, 1913
 320 *Lecane stichoclysta* Segers, 1993
 321 *Lecane stokesii* (Pell, 1890)
 322 *Lecane styrax* Haring and Myers, 1926
 323 *Lecane superaculeata* Sanoamuang and Segers, 1997
 324 *Lecane sympoda* (Hauer 1929)

- 325 *Lecane syngenes* (Hauer, 1938)
 326 *Lecane tenuiseta* Harring, 1914
 327 *Lecane thalera* (Harring & Myers)
 328 *Lecane thienemanni* (Hauer, 1938)
 329 *Lecane triptera alata* (Myers, 1934)
 330 *Lecane tryphema* Harring & Mayers, 1926
 331 *Lecane undulata* Hauer, 1938
 332 *Lecane unguitata* (Fadeev, 1925)
 333 *Lecane ungulata* (Gosse, 1887)
 334 *Lecane vasishii* Sharma, 1980
 335 *Lecane ventralis* (Ryding and Rast 1989)

Family Lepadellidae Harring, 1913

- 336 *Colurella adriatica* (Ehrenberg, 1831)
 337 *Colurella colurus* (Ehrenberg, 1830)
 338 *Colurella dicentra* (Gosse, 1887)
 339 *Colurella oblonga* (Donner 1943)
 340 *Colurella obtusa* (Gosse, 1886)
 341 *Colurella oxycauda* Carlin, 1939
 342 *Colurella sanoamuangae* Chittapun et al., 1999
 343 *Colurella sulcata* (Sternroos, 1898)
 344 *Colurella tessellata* (Glascott, 1893)
 345 *Colurella uncinata* (Muller, 1773)
 346 *Colurella uncinata bicuspidata* (Ehrenberg, 1830)
 347 *Colurus rotundatus* Daday, 1890
 348 *Lepadella acuminata* (Ehrenberg, 1834)
 349 *Lepadella apsidea* Harring, 1916
 350 *Lepadella apsicora* Myers, 1934
 351 *Lepadella benjamini* Harring, 1916
 352 *Lepadella bicornis* Vasisht and Battish, 1971
 353 *Lepadella biloba* Hauer, 1958
 354 *Lepadella costatoides* Segers, 1992
 355 *Lepadella crestata* Vasisht & Bathish
 356 *Lepadella cristata* (Rousselet, 1893)
 357 *Lepadella dactyliseta* (Stenroos, 1898)
 358 *Lepadella desmeti* Segers and Chittapun, 2001
 359 *Lepadella discoidea* Segers, 1993
 360 *Lepadella ehrenbergi* (Perty, 1850)
 361 *Lepadella elongata* Koste, 1992
 362 *Lepadella eurysterna* Myers, 1942
 363 *Lepadella favoritya* Klement, 1962
 364 *Lepadella heterodactyla* Fadeev, 1925
 365 *Lepadella heterostyla* (Murray, 1913)
 366 *Lepadella imbricata* Harring, 1914
 367 *Lepadella kostei* Wulfert, 1966
 368 *Lepadella lindau* Koste, 1891

- 369 *Lepadella longiseta* Myers, 1934
 370 *Lepadella latusinus* (Hilgendorf, 1899)
 371 *Lepadella minoruoides* Koste and Robertson, 1983
 372 *Lepadella minuta* (Weber and Montet, 1918)
 373 *Lepadella nartiangensis* Sharma & Sharma 1987
 374 *Lepadella neglecta* Segers & Dumont, 1995
 375 *Lepadella ovalis* (O.F. Muller, 1786)
 376 *Lepadella patella* (Muller 1773)
 377 *Lepadella patella oblonga* (Ehrenberg, 1834)
 378 *Lepadella patella persimilis* De Ridder, 1961
 379 *Lepadella periptera* (Muller 1786)
 380 *Lepadella princisi* Berzins, 1943
 381 *Lepadella quadricarinata* (Stenroos, 1898)
 382 *Lepadella quinquecostata* (Lucks, 1912)
 383 *Lepadella rhomboides* (Gosse, 1886)
 384 *Lepadella rhomboidula* (Bryce, 1890)
 385 *Lepadella triba* Myers, 1934
 386 *Lepadella triptera* Ehrenberg, 1830
 387 *Lepadella vandenbrandei* Gillard, 1952
 388 *Lepadella venefica* Myers, 1934
 389 *Squatinella bifurca* Hudson, 1886
 390 *Squatinella rostrum* Schmarda, 1846
 391 *Squatinella lamellaris* (O. F. Müller, 1786)
- Family Lindidae Harring & Myers, 1924**
 392 *Lindia intermedia* Dahanapathi and Rama Sharma, 2000
- Family Mytilinidae Bartos, 1959**
 393 *Lophocharis oxysternon* (Gosse, 1851)
 394 *Lophocharis salpina* (Ehrenberg, 1834)
 395 *Mytilina acanthophora* Hauer, 1938
 396 *Mytilina bisulcata* (Lucks, 1912)
 397 *Mytilina brevispina* (Ehrenberg, 1830)
 398 *Mytilina crassipes* Lucks, 1912
 399 *Mytilina lobata* Pourriot, 1996
 400 *Mytilina michelangellii* Reid & Turner, 1988
 401 *Mytilina mucronata* Muller, 1773
 402 *Mytilina ventralis* (Ehrenberg, 1832)
- Family Notommatidae Remane 1933**
 403 *Cephalodella auriculata* (O.F. Müller, 1773)
 404 *Cephalodella catellina* (O.F. Müller, 1786)
 405 *Cephalodella exigua* (Gosse, 1886)
 406 *Cephalodella forficula* Ehrenberg, 1838
 407 *Cephalodella gibba* (Ehrenberg, 1830)
 408 *Cephalodella gracilis* (Ehrenberg 1830)
 409 *Cephalodella hiulca* Myers, 1924
 410 *Cephalodella intuta* Myers, 1924

- 411 *Cephalodella megaloccephala* (Glascott, 1893)
 412 *Cephalodella mucronata* Myers, 1924
 413 *Cephalodella panarista* Myers, 1924
 414 *Cephalodella trigona* Rousselet, 1895
 415 *Cephalodella ventripes* (Dixon - Nuttall, 1901)
 416 *Eosphora anthadis* Haring & Myers, 1922
 417 *Eosphora ehrenbergi* Weber, 1918
 418 *Eosphora najas* Ehrenberg, 1830
 419 *Eothinia elongata* (Ehrenberg, 1832)
 420 *Monommata grandis* Tessin, 1890
 421 *Monommata longiseta* (O.F. Muller, 1786)
 422 *Monommata maculata* Haring and Myers, 1930
 423 *Notommata aurita* (Müller, 1786)
 424 *Notommata copeus* Ehrenberg, 1834
 425 *Notommata pachyura* Goose, 1886
 426 *Notommata pseudocereberus* de Beauchamp, 1908
 427 *Notommata spinata* Koste and Shiel, 1991
 428 *Notommata tripus* Ehrenberg, 1838
 429 *Resticula melandoca* (Gosse 1887)
 430 *Sphyrias lofuana* (Rousselet 1910)
 431 *Taphrocampa annulosa* (Gosse, 1851)
 432 *Taphrocampa selenura* Gosse, 1887
- Family Proalidae Haring & Myers, 1924**
- 433 *Bryceella tenella* (Bryce, 1897)
 434 *Proales decipiens* (Ehrenberg, 1830)
 435 *Proales indirae* Wulfert, 1966
 436 *Wulfertia ornata* Donner, 1943
- Family Scaridiidae Manfredi, 1927**
- 437 *Scaridium longicauda* (O.F. Müller, 1786)
- Family Synchaetidae Remane, 1933**
- 438 *Ploesoma hudsoni* (Imhof, 1891)
 439 *Ploesoma lenticulare* Herrick, 1885
 440 *Polyarthra dolichoptera* Idelson, 1925
 441 *Polyarthra euryptera* Wierzejski, 1891
 442 *Polyarthra longiremis* Carlin, 1943
 443 *Polyarthra major* (Burckhardt, 1900)
 444 *Polyarthra multiappendiculata* Arora, 1962
 445 *Polyarthra remata* Skorikov 1896
 446 *Polyarthra vulgaris* (Carlin, 1943)
 447 *Synchaeta grandis* Zacharias, 1893
 448 *Synchaeta longipes* Gosse, 1887
 449 *Synchaeta oblonga* Ehrenberg, 1832
 450 *Synchaeta pectinata* Ehrenberg, 1832
 451 *Synchaeta stylata* Wierzejski, 1893
 452 *Synchaeta tremula* (O.F. Müller, 1786)

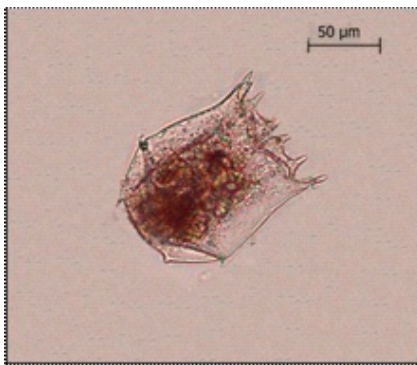
Family Trichocercidae Remane, 1933

- 453 *Elosa worrallii* Lord, 1891
 454 *Trichocerca abilioi* Segers and Sharma, 1993
 455 *Trichocerca bicristata* (Gosse, 1887)
 456 *Trichocerca bidens* (Lucks, 1912)
 457 *Trichocerca brachyura* (Gosse, 1851)
 458 *Trichocerca braziliensis* (Murray, 1913)
 459 *Trichocerca capucina* Wierzejski & Zacharias, 1893
 460 *Trichocerca cavia* (Gosse, 1886)
 461 *Trichocerca cylindrica* Imhof, 1891
 462 *Trichocerca edmondsoni* (Myers, 1936)
 463 *Trichocerca elongata* (Gosse, 1886)
 464 *Trichocerca flagellata* Hauer, 1937
 465 *Trichocerca hollaerti* De smet, 1990
 466 *Trichocerca iernis* (Gosse, 1887)
 467 *Trichocerca insignis* (Herrick, 1885)
 468 *Trichocerca insulana* (Hauer, 1937)
 469 *Trichocerca jenningsi* Voigt 1957
 470 *Trichocerca kostei* Segers, 1993
 471 *Trichocerca longiseta* (Schrank, 1802)
 472 *Trichocerca maior* Hauer, 1936
 473 *Trichocerca multirinis* (Kellicott 1897)
 474 *Trichocerca mus* Hauer, 1938
 475 *Trichocerca platessa* Myers 1934
 476 *Trichocerca porcellus* Gosse, 1851
 477 *Trichocerca pusilla* (Jennings, 1903)
 478 *Trichocerca rattus* (O.F. Müller, 1776)
 479 *Trichocerca ruttneri* Donner, 1953
 480 *Trichocerca scipio* (Gosse, 1886)
 481 *Trichocerca siamensis* Segers and Pholpunthin, 1997
 482 *Trichocerca similis* (Wierzejski, 1893)
 483 *Trichocerca similis grandis* Hauer, 1965
 484 *Trichocerca stylata* (Gosse, 1851)
 485 *Trichocerca sulcata* (Jennings, 1894)
 486 *Trichocerca taurocephala* (Hauer, 1931)
 487 *Trichocerca tenuior* (Gosse, 1886)
 488 *Trichocerca tigris* (Muller 1786)
 489 *Trichocerca tortuosa* (Myers, 1936)
 490 *Trichocerca tropis* Hauer, 1937
 491 *Trichocerca uncinata* (Voigt, 1902)
 492 *Trichocerca vernalis* (Hauer 1936)
 493 *Trichocerca voluta* (Murray, 1913)
 494 *Trichocerca weberi* (Jennings, 1903)

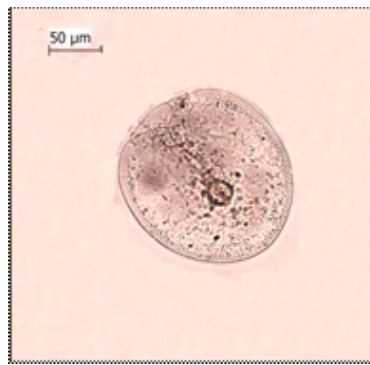
Family Trichotridae Bartos, 1959

- 495 *Macrochaetus collinsi* (Gosse, 1867)

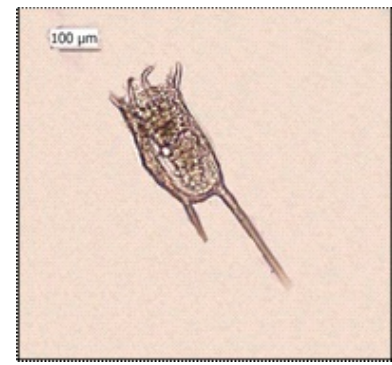
- 496 *Macrochaetus danneelae* Koste and Shiel, 1983
 497 *Macrochaetus longipes* (Myers, 1934)
 498 *Macrochaetus sericus* (Thorpe, 1893)
 499 *Macrochaetus subquadratus* Perty, 1850
 500 *Trichotria pocillum* (O.F. Muller, 1776)
 501 *Trichotria tetractis* (Ehrenberg, 1830)
 502 *Trichotria tetractis similis* (Stenroos, 1898)
 503 *Wolga spinifera* (Western, 1894)



Brachionus bidentata



Testudinella parva



Keratella tropica

Acknowledgement: Author sincerely thank the staffs Ms. Sharmista Das, Sr. Zoological Assistant, Ms. Neha Rani, Jr. Zoological Assistant and Mr. Santanu Dey, Lab Assistant assisted in literature collection in the present compilation.

References:

- Bonfim, F.F., Mantovano, T., Schwind, L.T. F., Palazzo, F., Bonecker, C.C and Toha, F.A.L. 2016. Geographic spread of the invasive species *Kellicottialongispina* (Kellicott, 1879) and *K. bostoniensis* (Rousselet, 1908): A scientometric approach. *Acta scientarum. Biological Sciences*, 38(1), 29-36.
- Segers, H. 2007. Annotated checklist of the rotifers (Phylum Rotifera), with notes on nomenclature, taxonomy and distribution. *Zootaxa*, 1564: 1- 104.
- Sharma, B.K. and Sharma, S. 2017. Rotifera : Eutotatoria (Rotifers) . Ed., Kailash Chandra , Gopi, K. C., Rao, D.V., Valarmathi, K and Alfred, J.R.B. Current status of Freshwater faunal diversity in India. 93-113.(Published by The Director, *Zool. Surv.India*, Kolkata).
- Wallace, R. L. Snell, T.W and Smith, H.A. 2015. Phylum Rotifera. Chapter .13., Eds., Thorp, J.H. and Rogers, D.C. *Freshwater Invertebrates Ecology and General Biology*. 4th edition, 225 – 271.