

Checklist of Indian fauna

FRESHWATER CRABS

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Introduction

Freshwater crabs due to their role in nutrient cycle, water quality monitoring and small-scale fisheries have been considered as ecologically as well as economically important group. About 1280 species under 4 Superfamilies occur in the world, which accounts to one fifth of known brachyuran diversity (Cumberlidge *et al.*, 2009). A total of 96 species under 41 genera in 6 families hitherto recorded from India is presented here (Wood-Mason, 1871; Henderson, 1893; Alcock, 1910; Bott, 1970; Bahir and Yeo, 2005, 2007 and Ng *et al.*, 2011).

There are five species belonging to three families viz. Sesarmidae, Varunidae and Hymenosomatidae, the members of which are either marine or estuarine forms. However, some of the members belonging to these families have adapted to live in and complete their life cycle in freshwater habitats and need not have to return to the sea (Ng, 1988). As such, these have been considered as freshwater species. All species belonging to the genus *Geosesarma* (Sesarmidae) are fresh water. Two species of this genus occur in India (Pretzmann, 1984). Another species *Hymenicoides carteri* (Family Hymenosomatidae) has been recorded from freshwaters of West Bengal and Uttar Pradesh (Ramakrishna, 1977). *Pyxidognathus fluviatilis* (Family Varunidae) occurs in beels, rivers and canals in Bangladesh (Rahaman *et al.*, 2008). It has been recorded from freshwater habitat of Palta of North 24 Parganas, West Bengal (Ghosh, 1998). *Varuna litterata* another member of the family Varunidae is also found in rivers, slow streams in monsoon drains, ponds, and pools of water and even in paddy fields far away from the

sea. Recently, a new hymenosomatid species, *Neorhynchoplax patnahi* was described from Patna, Bihar (Ng *et al.*, 2011).

SYSTEMATIC LIST

Phylum ARTHROPODA Latreille, 1829
Subphylum CRUSTACEA Brünnich, 1772
Class MALACOSTRACA Latreille, 1802
Order DECAPODA Latreille, 1802
Suborder PLEOCYEMATA Burkenroad, 1963
Infraorder BRACHYURA Linnaeus, 1758
Superfamily GECARCINUCOIDEA Rathbun, 1904
Family GECARCINUCIDAE Rathbun, 1904

1. *Baratha peena* Bahir & Yeo, 2007
2. *Baratha pushta* Bahir & Yeo, 2007
3. *Barytelphusa cunicularis* (Westwood, 1836)
4. *Barytelphusa guerini* (H. Milne-Edwards, 1853)
5. *Barytelphusa jacquemontii* (Rathbun, 1905)
6. *Barytelphusa pulvinata* (Alcock, 1909)
7. *Cylindrotelphusa steniops* (Alcock, 1909)
8. *Gecarcinucus edwardsi* Alcock, 1909
9. *Gecarcinucus jacquemontii* H. Milne Edwards, 1844
10. *Globitelphusa bakeri* (Alcock, 1909)
11. *Globitelphusa cylindra* (Alcock, 1909)
12. *Globitelphusa pistorica* (Alcock, 1909)
13. *Globitelphusa planifrons* (Bürger, 1894)
14. *Gubernatoriana gubernatoris* (Alcock, 1909)
15. *Gubernatoriana pilosipes* (Alcock, 1909)
16. *Inglethelphusa fronto* (Alcock, 1909)
17. *Lamella lamellifrons* (Alcock, 1909)
18. *Liotelphusa campestris* (Alcock, 1909)
19. *Liotelphusa gagei* (Alcock, 1909)
20. *Liotelphusa laevis* (Wood-Mason, 1871)
21. *Liotelphusa quadrata* (Alcock, 1909)
22. *Maydelliathelphusa edentula* (Alcock, 1909)
23. *Maydelliathelphusa falcidigitis* (Alcock, 1910)
24. *Maydelliathelphusa harpax* (Alcock, 1909)
25. *Maydelliathelphusa lugubris* (Wood-Mason, 1871)
26. *Maydelliathelphusa masoniana* (Henderson, 1893)
27. *Pilarta anuka* Bahir & Yeo, 2007
28. *Snaha aruna* Bahir & Yeo, 2007
29. *Snaha escheri* (Roux, 1931)
30. *Travancoriana charu* Bahir & Yeo, 2007
31. *Travancoriana convexa* (Roux, 1931)

32. *Travancoriana kuleera* Bahir & Yeo, 2007
33. *Travancoriana napaea* (Alcock, 1909)
34. *Travancoriana pollicaris* (Alcock, 1909)
35. *Travancoriana schirnerae* Bott, 1969
36. *Vanni ashini* Bahir & Yeo, 2007
37. *Vanni deepta* Bahir & Yeo, 2007
38. *Vanni giri* Bahir & Yeo, 2007
39. *Vanni malabarica* (Henderson, 1912)
40. *Vanni nilgiriensis* (Roux, 1931)
41. *Vanni pusilla* (Roux, 1931)
42. *Vanni travancorica* (Henderson, 1913)
43. *Vela carli* (Roux, 1931)
44. *Vela virupa* Bahir & Yeo, 2007

Family PARATHELPHUSIDAE Alcock, 1910

45. *Austrothelphusa transversa* (von Martens, 1868)
46. *Ceylonthelphusa austriana* (Alcock, 1909)
47. *Oziotelphusa aurantia* (Herbst, 1799)
48. *Oziotelphusa biloba* Bahir & Yeo, 2005
49. *Oziotelphusa bouvieri* (Rathbun, 1904)
50. *Oziotelphusa kerala* Bahir & Yeo, 2005
51. *Oziotelphusa senex* (Fabricius, 1798)
52. *Oziotelphusa wagrakarowensis* (Rathbun, 1904)
53. *Perbrinckia enodis* (Kingsley, 1880)
54. *Sartoriana spinigera* (Wood-Mason, 1871)
55. *Sartoriana trilobata* (Alcock, 1909)
56. *Somanniathelphusa sinensis* (H. Milne Edwards, 1853)
57. *Spiralothelphusa hydrodroma* (Herbst, 1794)
58. *Spiralothelphusa wüellerstorfi* (Heller, 1862)

Superfamily POTAMOIDEA Ortmann, 1896

Family POTAMIDAE Ortmann, 1896

Subfamily POTAMINAE Ortmann, 1896

59. *Acanthopotamon fungosum* (Alcock, 1909)
60. *Acanthopotamon martensi* (Wood-Mason, 1875)
61. *Acanthopotamon panningi* (Bott, 1966)
62. *Alcomon lophocarpus* (Kemp, 1913)
63. *Alcomon superciliosum* (Kemp, 1913)
64. *Himalayapotamon ambivium* (Alcock, 1909)
65. *Himalayapotamon atkinsonianum* (Wood-Mason, 1871)
66. *Himalayapotamon babaulti* (Bouvier, 1918)
67. *Himalayapotamon bifarium* (Alcock, 1909)
68. *Himalayapotamon emphyseteum* (Alcock, 1909)
69. *Himalayapotamon kausalis* (Pretzmann, 1964)
70. *Himalayapotamon koolooense* (Rathbun, 1904)

- 71. *Himalayapotamon marinelli* (Pretzmann, 1963)
- 72. *Himalayapotamon monticola* (Alcock, 1910)
- 73. *Lobothelphusa woodmasoni* (Rathbun, 1905)
- 74. *Potamon fluviatile* (Herbst, 1785)

Subfamily POTAMISCINAE Bott, 1970

- 75. *Aspermon feae* (de Man, 1898)
- 76. *Eosamon tumidum* (Wood-Mason, 1871)
- 77. *Indochinamon asperatum* (Alcock, 1909)
- 78. *Indochinamon beieri* (Pretzmann, 1966)
- 79. *Indochinamon edwardsi* (Wood-Mason, 1871)
- 80. *Indochinamon manipurensis* (Alcock, 1909)
- 81. *Larnaudia larnaudi* (A. Milne Edwards, 1869)
- 82. *Potamiscus annandali* (Alcock, 1909)
- 83. *Potamiscus decourcyi* (Kemp, 1913)
- 84. *Potamiscus pealianus* (Wood-Mason, 1871)
- 85. *Potamiscus rangoonensis* (Rathbun, 1904)
- 86. *Potamiscus tumidulus* (Alcock, 1909)
- 87. *Quadromon aborensis* (Kemp, 1913)
- 88. *Teretamon adiatretum* (Alcock, 1909)
- 89. *Tiwaripotamon austenianum* (Wood Mason 1871)
- 90. *Trichopotamon sikkimense* (Rathbun, 1905)

Superfamily MAJOIDEA Samouelle, 1819
Family HYMENOSOMATIDAE MacLeay, 1838

- 91. *Hymenicoides carteri* Kemp, 1917
- 92. *Neorhynchoplax patnahi* Ng, Neesemann & Sharma, 2011

Superfamily GRAPSOIDEA MacLeay, 1838
Family SESARMIDAE Dana, 1851

- 93. *Geosesarma thelxinoë* (De Man, 1908)
- 94. *Geosesarma starmuhineri* Pretzmann, 1984

Family VARUNIDAE H. Milne Edwards, 1853

- 95. *Pyxidognathus fluviatilis* Alcock, 1909
- 96. *Varuna litterata* (Fabricius, 1798)

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