

An updated checklist of marine and estuarine mollusc of Odisha coast

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Present paper is an updated checklist of molluscs of Odisha coast based on recent surveys and past literature available at library, museum and internet sources. The checklist consist of Polyplacophora, Gastropoda, Scaphopoda, Bivalve and Cephalopoda available in and around the marine and estuarine waters of Odisha coast including largest brackish water lagoon of India, Chilka Lake. In total 496 species are enlisted, belongings to 261 genera, 124 families and 33 orders under five classes. The paper also reports 43 species for the first time from Odisha coast.

[Key Words: Checklist, Costal fauna, Molluscan diversity, Odisha coast.]

Introduction

India having 5,423 kilometers long coast line belongs to peninsular India and 2,094 kilometres to the Andaman, Nicobar and Lakshadweep group of Islands. The Odisha state is having 480 km of coast line along northern part of east coast of India on Bay of Bengal. The state is having some major estuaries i.e. Bhitarkanika, Dhamra, Mahanadi, Rushikulya, Subarnarekha and Bahuda. The India's largest brackish water lagoon, Chilka Lake is situated along this coast. Exploration of Indian mollusc started in late 18th century, which was initiated by the Asiatic Society of Bengal (1784) and the Indian Museum (1814) and most significant work was done during the beginning of 20th century by Zoological Survey of India (ZSI). Eerstwhile major contribution on gastropods and polyplacophora was by Subba Rao¹ and on cephalopoda, bivalve and scaphopoda was by Ramakirshna and Dey². Other contributions were Hornell³, Subba Rao and Dey^{4,6}, Satyanarayana Rao⁷, Subba Rao and Surya Rao⁸ and Dey⁹. About 3370 species¹⁰ are reported so far from the marine and estuarine habitats of Indian waters.

The taxonomic study of molluscs along the coastal stretch of Odisha state began from Chilka Lake along with other faunal groups and subsequently extended to Mahanadi, Rushikulya and Bahuda estuaries along with other part of coastal region. The different

surveys or studies on mollusca along the Odisha coast were done by Preston^{11,12}, Annandale and Kemp¹³, Annandale and Prashad¹⁴, Nagabuhushanam and Chandrasekhara Rao¹⁵, Nagabuhushanam¹⁶, Subba Rao *et al.*^{17,18}, Rama Rao *et al.*¹⁹, Surya Rao and Mitra²⁰, Pati²¹, Ganesh and Raman²², Pati *et al.*²³, Mitra *et al.*²⁴, Tudu and Mohapatra²⁵, Nayak *et al.*²⁶, Tudu *et al.*^{27,28}, Pati and Panigrahy²⁹, Behera and Nayak³⁰, Yennawar and Tudu³¹, Tudu and Ray³², and Jasmine *et al.*³³.

Materials and Methods

The beaches along 480 km of the Odisha are surveyed during April 2008 – March 2011 and April 2012-March 2015 for faunal exploration, and 13 localities are selected for the study i.e. Talsari (21° 36'N and 087° 27'E), Kirtiniya (21° 34'N and 087° 22'E), Chandipur (21° 27'N and 087° 03'E), Dhamra (28° 46'N and 086° 59'E), Paradip (20° 17'N and 086° 42'E), Kanark (19° 51'N and 086° 06'E), Puri (19° 47'N and 085° 49'E), Mahanadi estuary(20° 17'N and 086° 43'E), Chilka New Mouth (19° 40'N and 085° 26'E), Chilka Lake (19° 44'N and 085° 12'E), Rushilakya estuary (19° 24' N and 085° 05' E), Bahuda estuary (19° 04' N and 084° 35' E), and Gopalpur beach (19° 15'N and 084° 54'E). Along with these localities, adjoining areas are surveyed for several times during this period and the live well as dead shell specimens are collected. The live specimens are

preserved in the 4% formal dehyde solution and dead shells are kept dry in plastic box. Also, the specimens of the National Zoological Collections present at the Marine Aquarium and Regional Centre, ZSI are accessed. The identification was made based on their morphological characters and classification of Bouchet and Rcroi³⁴ is followed for gastropods, Bieler *et al.*³⁵ for bivalve and for Polyplacophora, Scaphopoda and Cephalopoda Vecchione *et al.*³⁶ and World Register of Marine Species³⁷ are followed respectively. Previous literatures as well as present

collections are taken into account for the preparation of the checklist of marine and estuarine mollusc of Odisha coast.

Results

An updated checklist has been presented and only the species with valid names are enlisted. In this list 496 species, belonging to 261 genera, 124 families and 33 orders under five classes are enlisted (Table.1). The highest number of species are gastropoda (277 speceis), followed by bivalve (205 species), and cephalopoda

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast.

Phylum MOLLUSCA	
Class POLYPLACOPHORA	
Order CHITONIDA	
Super family CRYPTOPLACOIDEA H. Adams & A. Adams, 1858	
Family ACANTHOCHITONIDAE Pilsbry, 1893	
Genus <i>Acanthochitona</i> Gray, 1821	
1. <i>Acanthochitona mahensis</i> Winckworth, 1927	Gopalpur ¹⁷
Class GASTROPODA	
Subclass PATELLOGASTROPODA	
Super family NACELLOIDEA Thiele, 1891	
Family NACELLIDAE Thiele, 1891	
Genus <i>Cellana</i> H. Adams, 1869	
2. <i>Cellana radiata</i> (Born, 1778)	Gopalpur ^{17, 23} , Mahanadi estuary ²⁰ , Rushikulya estuary and Bahuda estuary ²³ .
Order VETIGASTROPODA	
Super family FISSURELLOIDEA Fleming, 1822	
Family FISSURELLIDAE Fleming, 1822	
Sub family DIODORINAE Odhner, 1932	
Genus <i>Diodora</i> J.E. Gray, 1821	
3. <i>Diodora singaporensis</i> (Reeve, 1850) = <i>Diadora bombayana</i> (Sowerby II, 1862) ⁷⁵	Gopalpur and Puri ¹⁷
Super family TROCHOIDEA Rafinesque, 1815	
Family TROCHIDAE Rafinesque, 1815	
Genus <i>Euchelus</i> Philippi, 1847	
4. <i>Euchelus asper</i> (Gmelin, 1791) = <i>Euchelus alabastrum</i> (Reeve, 1858) ⁷⁶	Puri ¹⁷
5. <i>Euchelus horridus</i> (Philippi, 1846)	Ganjam coast ¹⁷
Subfamily TROCHINAE Rafinesque, 1815	
Genus <i>Trochus</i> Linnaeus, 1758	
6. <i>Trochus maculatus</i> Linnaeus, 1758	Gopalpur ²⁵
Subfamily UMBONINAE H. Adams & A. Adams, 1854	
Genus <i>Umbonium</i> Link, 1807	
7. <i>Umbonium vestiarium</i> (Linnaeus, 1758)	Entire coast of Odisha ^{12,17,18,20,23,24,30,31}
Family SOLARIELLIDAE Powell, 1951	
Genus <i>Solariella</i> S. Wood, 1842	
8. <i>Solariella obscura</i> Couthouy, 1838	Chilka Lake ⁷⁴
9. <i>Solariella satparaensis</i> Preston, 1914	Puri ¹⁷ , Chilka Lake ^{11,12,17,18}
Family SKENEIDAE Clark W., 1851	
Genus <i>Leucorhynchia</i> Crosse, 1867	
10. <i>Leucorhynchia variegata</i> (Preston)	Puri ¹⁷ , Chilka Lake ^{17,18}
Super family TURBINOIDEA Rafinesque, 1815	
Family LIOTIIDAE Gray, 1850 = CYCLOSTREMATIDAE ³⁴	
Genus <i>Cyclostrema</i> Marryat, 1819	

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

11. <i>Cyclostrema eburnea</i> Nevill & Nevill, 1875 Genus <i>Tubiola</i> A.Adams, 1863	Puri ¹⁷
12. <i>Tubiola microscopica</i> (Nevill) Genus <i>Tinostoma</i> P.Fischer, 1885	Puri ¹⁷ , Chilka Lake ¹⁸
13. <i>Tinostoma variegata</i> Preston, 1914 Family PHASIANELLIDAE Swainson, 1840 Genus <i>Tricolia</i> Risso, 1826	Chilka Lake ¹¹
14. <i>Tricolia indica</i> Winckworth, 1940 Order CYCLONERITIMORPHA Super family NERITOIDEA Rafinesque, 1815 Family NERITIDAE Rafinesque, 1815 Genus <i>Clithon</i> Montfort, 1810	Puri ¹⁷
15. <i>Clithon oualaniensis</i> (Lesson, 1831) Genus <i>Nerita</i> Linnaeus, 1758	Chilka Lake ^{17,18} , Kushabhadra river mouth ¹⁷ , Gopalpur ¹⁷ , Rushikulya ^{23,29}
16. <i>Nerita albicilla</i> Linnaeus, 1758	Paradip ¹⁷ , Mahandi estuary ²⁰
17. <i>Nerita articulata</i> Gould, 1847	Chandipur ¹⁷ , Hukitola ¹⁷ , Mahandi estuary ²⁰ , Subarnarekha estuary ²⁴
18. <i>Nerita balteata</i> Reeve, 1855	Chilka Lake ⁷⁴
19. <i>Nerita chamaeleon</i> Linnaeus, 1758	Paradip ¹⁷ , Mahandi estuary ²⁰
20. <i>Nerita grayana</i> Recluz, 1843	Talsari ³¹
21. <i>Nerita histrio</i> Linnaeus, 1758 = <i>Nerita squamulata</i> Le Guillou, 1841 ³⁸	Paradip ¹⁷ , Mahandi estuary ²⁰
22. <i>Nerita insculpta</i> Recluz, 1841*	Subarnarekha estuary (Present collection)
23. <i>Nerita planospira</i> Anton, 1838*	Kirtaniya (Present collection)
24. <i>Nerita undata</i> Gmelin, 1791*	Subarnarekha estuary (Present collection)
25. <i>Nerita undulata</i> Gmelin, 1791* Genus <i>Neritina</i> Lamarck, 1816	Subarnarekha estuary (Present collection)
26. <i>Neritina auriculata</i> Lamarck, 1816*	Talsari (Present collection)
27. <i>Neritina smithi</i> Wood, 1828	Subarnarekha estuary ²⁴
28. <i>Neritina violacea</i> (Gmelin, 1791) Genus <i>Pseudonerita</i> Baker, 1924	Paradip ¹⁷ , Mahandi estuary ²⁰
29. <i>Pseudonerita obtusa</i> (Sowerby, 1841)*	Kirtiniya (Present collection)
30. <i>Pseudonerita sulculosa</i> (Martens, 1877) Genus <i>Smaragdia</i> Issel, 1869	Paradip port ¹⁷ , Mahandi estuary ²⁰
31. <i>Smaragdia mamilla</i> Annandale, 1924	Chilka Lake ^{17,18}
32. <i>Smaragdia souverbiana</i> (Montrouzier in Souverbie & Montrouzier, 1863) = <i>Neritina souverbiana</i> Montrouzier ³⁹ Super family AMPULLARIOIDEA Gray, 1824 Family AMPULLARIIDAE Gray, 1824 Genus <i>Pila</i> Röding, 1798	Chilka Lake ¹²
33. <i>Pila globosa</i> Swainson, 1822 Family VIVIPARIDAE Gray, 1847 Subfamily BELLAMYINAE Rohrbach, 1937 Genus <i>Bellamyia</i> Jousseaume, 1886	Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹
34. <i>Bellamyia bengalensis</i> (Lamarck, 1822)	Chilka Lake ^{11,18} , Rushikulya estuary ¹⁹ , Subarnarekha estuary ²⁴
35. <i>Bellamyia dissimilis</i> (Muller, 1774) Order LITTORINIMORPHA Super family CALYPTRAEIOIDEA Lamarck, 1809 Family CALYPTRAEIDAE Lamarck, 1809 Genus <i>Ergaea</i> H.Adams & A.Adams, 1854 = <i>Crepidula</i> Lamarck, 1799 ⁴⁰	Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹
36. <i>Ergaea walshi</i> (Reeve, 1859) Genus <i>Calyptraea</i> Lamarck, 1799	Khira Gachha Madeli (Near Kujang) ¹⁷ , Off Ganjam coast ¹⁷ , Mahanadi estuary ²⁰
37. <i>Calyptraea extincitorium</i> Lamarck, 1822 Super family CYPRAEIOIDEA Family CYPRAEIDAE Rafinesque, 1815 Genus <i>Erosaria</i> Troschel, 1863	Khira Gachha Madeli (Near Kujang) ¹⁷ , Mahanadi estuary ²⁰
38. <i>Erosaria ocellata</i> (Linnaeus, 1758) Genus <i>Erronea</i> Troschel, 1863	Rushikulya estuary ¹⁹

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Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (Contd.)

39. <i>Erronea erronea</i> (Linnaeus, 1758)* Genus <i>Mauritia</i> Troschel, 1863	Gopalpur (Present collection)
40. <i>Mauritia arabica</i> (Linnaeus, 1758) Genus <i>Monetaria</i> Troschel, 1863	Rushikulya estuary ¹⁹
41. <i>Monetaria annulus</i> (Linnaeus, 1758)* Super family FICOIDEA Family FICIDAE Meek, 1864 (1840) Genus <i>Ficus</i> Röding, 1798	Talsari (Present collection)
42. <i>Ficus ficus</i> (Linnaeus, 1758) = <i>F. ficoides</i> (Lamarck, 1822)	Rushikulya and Bahuda estuary ²³
43. <i>Ficus gracilis</i> (Sowerby I, 1825)	Off Puri coast ¹⁷ , Balasore Bay ¹⁷ , Gopalpur ²⁹
44. <i>Ficus investigatoris</i> (Smith, 1894)	Ganjam coast ¹⁷
45. <i>Ficus variegata</i> Röding, 1798 Super family LITTORINOIDEA Children, 1834 Family LITTORINIDAE Children, 1834 Subfamily LITTORININAE Children, 1834 Genus <i>Littorina</i> Gray, 1833	Entire Odisha coast ^{17,20,23}
46. <i>Littoraria cingulifera</i> (Dunker, 1845)*	Talsari, Kirtaniya, Gopalpur (Present collection)
47. <i>Littorina littorea</i> Linnaeus, 1758	Chilka Lake ⁷⁴
48. <i>Littorina melanostoma</i> (Gray, 1839)	Hukitola and Khira Gachha Madeli ¹⁷ , Mahandi estuary ²⁰ , Subarnarekha estuary ²⁴
49. <i>Littorina scabra</i> (Linnaeus, 1758)	Hukitola and Chhatrapur ¹⁷ , Mahandi estuary ²⁰ , Subarnarekha estuary ²⁴
50. <i>Littorina undulata</i> (Gray, 1839) Genus <i>Nodilittorina</i> Martens, 1897	Paradip Port and Hukitola ¹⁷ , Mahandi estuary ²⁰ , Gopalpur and Bahuda estuary ²³ , Subarnarekha estuary ²⁴
51. <i>Nodilittorina pyramidalis</i> (Quoy & Gaimard, 1830)	Paradip ¹⁷ , Mahandi estuary ²⁰
52. <i>Nodilittorina quadricincta</i> (Muhlfeldt, 1824)* Super family NATICOIDEA Family NATICIDAE Guilding, 1834 Subfamily SININAE Woodring, 1928 Genus <i>Eunaticina</i> P. Fischer, 1885	Gopalpur (Present collection)
53. <i>Eunaticina papilla</i> (Gmelin, 1791) = <i>Eunaticina tener</i> Smith, 1894; <i>E. coarctata</i> (Reeve, 1864) ⁴¹ Subfamily NATICINAE Guilding, 1834 Genus <i>Natica</i> Scopoli, 1777	Gopalpur coast ¹⁷ , Chilka Lake ¹⁸
54. <i>Natica lineata</i> (Röding, 1798)	Entire Odisha coast ^{17,20,24}
55. <i>Natica maculosa</i> Lamarck, 1822	Chilka Lake ¹²
56. <i>Natica marochiensis</i> (Gmelin, 1791)	Chilka Lake ¹² , Bahuda estuary ²³
57. <i>Natica vitellus</i> (Linnaeus, 1758) Genus <i>Notocochlis</i> Powell, 1933	Khira Gachha Madeli and Gopalpur coast ¹⁷ , Chilka Lake ¹⁸ , Mahandi estuary ²⁰ , Rushikulya and Bahuda estuary ²³ , Subarnarekha estuary ²⁴
58. <i>Notocochlis gualteriana</i> (Récluz, 1844)	Chilka Lake ¹⁸ , Chandrabhaga beach ¹⁷ , Rushikulya estuary ¹⁹
59. <i>Notocochlis tigrina</i> (Röding, 1798) Subfamily POLINICINAE Gray, 1847 Genus <i>Neverita</i> Risso, 1826	Entire Odisha coast ^{17,20,24,31}
60. <i>Neverita didyma</i> (Röding, 1798) Genus <i>Polinices</i> Montfort, 1810	Entire Odisha coast ^{17,20,23,24,29,31}
61. <i>Polinices mamilla</i> (Linnaeus, 1758)	Subarnarekha estuary ²⁴
62. <i>Polinices peselephanti</i> (Link, 1807)*	Talsari (Present collection)
63. <i>Polinices tumidus</i> (Swainson, 1840) Genus <i>Sinum</i> Röding, 1798	Entire Odisha coast ^{17,20,23,31}
64. <i>Sinum delessertii</i> (Recluz, 1843)	False point ¹⁷ , Mahandi estuary ²⁰
65. <i>Sinum neritoideum</i> (Linnaeus, 1758) Super family RISSOIDEA Family ASSIMINEIDAE H. Adams & A. Adams, 1856 Genus <i>Assiminea</i> Fleming, 1828	Chandipur ¹⁷ , Mahandi estuary ²⁰ , Talsari ³¹
66. <i>Assiminea beddomeana</i> Nevill, 1880	Subarnarekha estuary ²⁴
67. <i>Assiminea brevicula</i> (Pfeiffer, 1854)	Subarnarekha estuary ²⁴

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

68. <i>Assiminea theobaldiana</i> Nevill, 1880	Mahandi estuary ²⁰
69. <i>Assiminea woodmasoniana</i> G.Nevill, 1880	Mahandi estuary ²⁰
Family STENOTHYRIDAE Tyron, 1866	
Genus <i>Stenothyra</i> Benson, 1856	
70. <i>Stenothyra blanfordiana</i> Nevill, 1880 = <i>Stenothyra chilkaensis</i> Preston, 1914; <i>S. obesula</i> Preston, 1915 ⁴²	Chilka Lake ^{11,12,18}
71. <i>Stenothyra deltae</i> (Benson, 1836)	Subarnarekha estuary ²⁴
72. <i>Stenothyra minima</i> (G.B. Sowerby I, 1837)	Chilka Lake ^{11,12,18}
73. <i>Stenothyra orissaensis</i> Preston, 1914	Chilka Lake ^{11,12}
74. <i>Stenothyra trigona</i> Preston, 1915	Chilka Lake ¹²
Genus <i>Gangetia</i> Ancey, 1890	
75. <i>Gangetia miliacea</i> (G. Nevill, 1880)	Chilka Lake ¹⁸
Family IRAVADIIDAE Thiele, 1928	
Genus <i>Iravadia</i> Blanford, 1867	
76. <i>Iravadia ornata</i> Blanford, 1867	False Point ¹⁷ , Mahandi estuary ²⁰
77. <i>Iravadia funerea</i> Preston, 1916*	Subarnarekha estuary (Present collection)
Super family STROMBOIDEA Rafinesque, 1815	
Family STROMBIDAE Rafinesque, 1815	
Genus <i>Laevistrombus</i> Abbott, 1960	
78. <i>Laevistrombus canarium</i> (Linnaeus, 1758)*	Gopalpur (Present collection)
79. <i>Laevistrombus turtella</i> (Röding, 1798) = <i>Strombus isabella</i> Lamarck, 1822 ⁴³	Chilka Lake ¹²
Genus <i>Strombus</i> Linnaeus, 1758	
80. <i>Strombus gibberulus</i> Linnaeus, 1758	Puri ¹⁷
Genus <i>Rostellariella</i> Thiele, 1929	
81. <i>Rostellaria delicatula</i> (G. Nevill, 1881)	Off Balaswar coast ¹⁷
Super family TONNOIDEA Suter, 1913 (1825)	
Family TONNIDAE Suter, 1913 (1825)	
Genus <i>Tonna</i> Brünnich, 1771	
82. <i>Tonna dolium</i> (Linnaeus, 1758)	Entire Odisha coast ^{17,20,23,24,31}
83. <i>Tonna sulcosa</i> (Born, 1778)	Balasore Bay and Khira Gachha Madeli ¹⁷ , Mahandi estuary ²⁰
Family BURSIDAE Thiele, 1925	
Genus <i>Bufonaria</i> Schumacher, 1817	
84. <i>Bufonaria crumena</i> (Lamarck, 1816)	Chhatrapur ¹⁷
85. <i>Bufonaria echinata</i> (Link, 1807)	Chilka Lake ⁷⁴ , Talsari (Present collection)
86. <i>Bufonaria rana</i> (Linnaeus, 1758)	Entire Odisha coast ^{17,20,23,24,29,30,31}
Genus <i>Bursa</i> Röding, 1798	
87. <i>Bursa granularis</i> (Röding, 1798)	Ganjam coast ¹⁷
88. <i>Bursa spinosa</i> (Lamarck, 1843)	Mahandi estuary ²⁰ , Subarnarekha estuary ²⁴
Family PERSONIDAE Gray, 1854	
Genus <i>Distorsio</i> Röding, 1798	
89. <i>Distorsio reticularis</i> (Linnaeus, 1758)	Ganjam coast ¹⁷ , Rushikulya estuary ¹⁹
Family RANELLIDAE	
Sub family CYMATIINAE Iredale, 1913 (1854)	
Genus <i>Cymatium</i> Röding, 1798	
90. <i>Cymatium tripus</i> (Lamarck, 1822)	Palur canal (Ganjam) ¹⁷ , Rushikulya estuary ¹⁹
Genus <i>Gyrineum</i> Link, 1807	
91. <i>Gyrineum natator</i> (Röding, 1798)	Mahandi estuary ²⁰ , Talsari ³¹
Family CASSIDAE Latreille, 1825	
Genus <i>Phalium</i> Link, 1807	
92. <i>Phalium areola</i> (Linnaeus, 1758)	Khira Gachha Madeli and Chandipur ¹⁷ , Gopalpur ^{17,23} , Chilka Lake ¹⁸ , Mahandi estuary ²⁰
Genus <i>Semicassis</i> Mörch, 1852	
93. <i>Semicassis bisulcata</i> (Schubert and Wagner, 1829)	Gopalpur and Chandipur ¹⁷ , Mahandi estuary ²⁰
94. <i>Semicassis canaliculata</i> (Bruguère, 1792)	Chilka Lake ¹⁸
Super family VANIKOROIDEA Gray, 1840	
Family VANIKORIDAE Gray, 1840	
Genus <i>Vanikoro</i> Quoy & Gaimard, 1832	

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (Contd.)

95. <i>Vanikoro cancellata</i> (Lamarck, 1822) Super family VELUTINOIDEA Gray, 1840 Family VELUTINIDAE Gray, 1840 Sub family LAMELLARIINAE d'Orbigny, 1841 Genus <i>Lamellaria</i> Montagu, 1816	Ganjam coast ¹⁷
96. <i>Lamellaria indica</i> Leach, 1867 Super family XENOPHOROIDEA Troschel, 1852 (1840) Family XENOPHORIDAE Troschel, 1852 (1840) Genus <i>Xenophora</i> Fischer von Waldheim, 1807	Talsari ³¹
97. <i>Xenophora corrugata</i> (Reeve, 1842)	Odisha coast ¹⁷
98. <i>Xenophora indica</i> (Gmelin, 1791)	Puri ¹⁷ , Mahanadi estuary ²⁰
99. <i>Xenophora solaris</i> (Linnaeus, 1764) Super family EPITONIOIDEA Berry, 1910 (1812) Family EPITONIIDAE Berry, 1910 (1812) Genus <i>Acrilla</i> H. Adams, 1860	Balasore Bay, Khira Gachha Madeli and Off Gopalpur coast ¹⁷ , Mahanadi estuary ²⁰
100. <i>Acrilla acuminata</i> (Sowerby II, 1844)	Khira Gachha Madeli (Jagatsingpur) ¹⁷ , Mahandi estuary ²⁰ , Subamarekha estuary ²⁴ , Talsari ³¹ Chandipur ¹⁷
101. <i>Acrilla gracilis</i> H. Adams, 1873 Genus <i>Eglisia</i> Gray, 1847	Off Puri coast ¹⁷
102. <i>Eglisia tricarinata</i> A. Adams & Reeve, 1850 Genus <i>Epitonium</i> Röding, 1798	Chilka Lake ⁷⁴ Chilka Lake ^{12,17,18} Chandipur ¹⁷ Talsari (Present collection)
103. <i>Epitonium clathrus</i> Linnaeus 1758	
104. <i>Epitonium hamatulae</i> Preston, 1915	
105. <i>Epitonium immaculatum</i> (Sowerby II, 1844)	
106. <i>Epitonium latifasciatum</i> (Sowerby II, 1874)* Super family EULIMOIDEA Family EULIMIDAE Philippi, 1853 Genus <i>Niso</i> Risso, 1826	
107. <i>Niso pyramidelloides</i> Nevill, 1871 Genus <i>Melanella</i> Bowdich, 1822	Puri ¹⁷
108. <i>Melanella oxytata</i> (Watson, 1883) Super family TRUNCATELLOIDEA Gray, 1840 Family CLENCHIELLIDAE D.W. Taylor, 1966 Genus <i>Coliracemata</i> Ponder, Fukuda & Hallan, 2014	Off Ganjam coast ¹⁷
109. <i>Coliracemata innocens</i> (Preston, 1915) = <i>Cyclostrema</i> (<i>Tubiola</i>) <i>innocens</i> Preston, 1915 ⁴⁴ Order SORBECONCHA Super family CERITHIOIDEA Fleming, 1822 Family CERITHIIDAE Fleming, 1822 Subfamily CERITHIINAE Fleming, 1822 Genus <i>Cerithium</i> Bruguière, 1789	Chilka Lake ¹²
110. <i>Cerithium scabridum</i> Philippi, 1848 Family PLANAXIDAE Gray 1850 Subfamily PLANAXINAE Gray, 1850 Genus <i>Planaxis</i> Lamarck, 1822	Rushikulya estuary ²⁹
111. <i>Planaxis nigra</i> Quoy and Gaimard, 1833 Subfamily FOSSARINAE A. Adams, 1860 Genus <i>Chilkaia</i> Preston, 1915	Paradip Port ¹⁷ , Mahandi estuary ²⁰
112. <i>Chilkaia imitatrix</i> Preston, 1915 Family POTAMIDIDAE H. Adams & A. Adams, 1853 Genus <i>Cerithidea</i> Swainson, 1840	Chilka Lake ^{12,17,18}
113. <i>Cerithidea obtusa</i> (Lamarck, 1822) Genus <i>Pirenella</i> Gray, 1847	Entire Odisha coast ^{17,20,24}
114. <i>Pirenella alata</i> (Philippi, 1849) = <i>Cerithidea alata</i> (Philippi, 1849)	Subamarekha estuary ²⁴
115. <i>Pirenella cingulata</i> (Gmelin, 1791) = <i>Potamides</i> (<i>Tympanotonos</i>) <i>fluviatilis</i> (Potiez & Michaud, 1838) ⁴⁵ Genus <i>Telescopium</i> Montfort, 1810	Entire Odisha coast ^{12,13,17,18-20,23,24,30,31}

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

116. <i>Telescopium telescopium</i> (Linnaeus, 1758) Genus <i>Terebralia</i> Swainson, 1840	Entire Odisha coast ^{13,17,18-20,23,24,30,31}
117. <i>Terebralia palustris</i> (Linnaeus, 1767) Family LITIOPIDAE Gray, 1847 Genus <i>Alaba</i> H. Adams & A. Adams, 1853	Khira Gachha Madeli (Jagatsingpur) and Gopalpur backwaters ¹⁷ , Mahandi estuary ²⁰
118. <i>Alaba blanfordi</i> A. Adams, 1862 Family SILIQUARIIDAE Anton, 1838 Genus <i>Tenagodus</i> Guettard, 1770 = <i>Siliquaria</i> Bruguiere, 1789 ⁴⁶	Off Puri coast ¹⁷ , Chilka Lake ¹⁸
119. <i>Tenagodus anguinus</i> (Linnaeus, 1758)	Off Gopalpur coast ¹⁷
120. <i>Tenagodus cumingii</i> Mörch, 1861	Off Gopalpur coast ¹⁷
121. <i>Tenagodus tostus</i> Mörch, 1861	Off Gopalpur coast ¹⁷
122. <i>Tenagodus trochlearis</i> Mörch, 1861 Family SCALIOLIDAE Jousseaume, 1912 Genus <i>Finella</i> A. Adams, 1860	Off Gopalpur coast ¹⁷
123. <i>Finella virgata</i> (Philippi, 1849) = <i>Litiopa</i> (<i>Alaba</i>) <i>kempi</i> Preston, 1914; <i>L. (A.) copiosa</i> Preston, 1915 ¹⁷ Family THIARIDAE Gill, 1871 (1823) Genus <i>Thiara</i> Röding, 1798	Chilka Lake ^{12,13,17,18}
124. <i>Thiara lineata</i> Gray, 1828	Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹
125. <i>Thiara granifera</i> (Lamarck, 1822)	Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹
126. <i>Thiara scabra</i> (O.F. Müller, 1774)	Chilka Lake ^{18,74}
127. <i>Thiara torulosa</i> (Bruguère, 1789)	Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹
128. <i>Thiara tuberculata</i> (O.F. Müller, 1774) Family TURRITELLIDAE Lovén, 1847 Super family TURRITELLINAE Lovén, 1847 Genus <i>Turritella</i> Lamarck, 1799	Chilka Lake ¹⁸
129. <i>Turritella acutangula</i> (Linnaeus)	Entire Odisha coast ^{17,20}
130. <i>Turritella attenuata</i> Reeve, 1849	Subarnarekha estuary ²⁴ , Talsari ³¹
131. <i>Turritella columnaris</i> Kiener, 1843	Entire Odisha coast ^{17,18-20,24}
132. <i>Turritella fultoni</i> Melvill, 1897 Order NEOGASTROPODA Super family BUCCINOIDEA Rafinesque, 1815 Family BUCCINIDAE Rafinesque, 1815 Genus <i>Cantharus</i> Röding, 1798	Puri ¹⁷
133. <i>Cantharus tranquebaricus</i> (Gmelin, 1791) Family COLUBRARIIDAE Dall, 1904 Genus <i>Colubraria</i> Schumacher, 1817	Balasar Bay and Black Pagoda (Konark) ¹⁷
134. <i>Colubraria muricata</i> (Lightfoot, 1786) Family FASCIOLARIIDAE Gray, 1853 Genus <i>Fusinus</i> Rafinesque, 1815	Off Gopalpur ¹⁷
135. <i>Fusinus colus</i> (Linnaeus, 1758) Family COLUMBELLIDAE Swainson, 1840 Genus <i>Anachis</i> H. Adams and A. Adams, 1853	Chandipur, Off Gopalpur and Chhatrapur ¹⁷
136. <i>Anachis terpsichore</i> (G.B. Sowerby II, 1822) Family NASSARIIDAE Iredale, 1916 (1835) Subfamily CYLLENINAE Bellardi, 1882 Genus <i>Nassaria</i> Link, 1807	
137. <i>Nassaria nivea</i> (Gmelin, 1791)	Puri coast and Ganjam coast ¹⁷
138. <i>Nassaria suturalis</i> (Adams, 1855) Sub family BULLIINAE Allmon, 1990 Genus <i>Bullia</i> Gray, 1833	Balasure Bay, Black pagoda (Konark), Puri and Ganjam coast ¹⁷
139. <i>Bullia livida</i> Reeve, 1846	Chhatrapur and Puri ¹⁷
140. <i>Bullia tranquebarica</i> (Röding, 1798)	Puri ¹⁷
141. <i>Bullia vittata</i> (Linnaeus, 1767) Subfamily CYLLENINAE Bellardi, 1882 Genus <i>Cyllene</i> Gray, 1834	Entire Odisha coast ^{13,16-18,20,23,29}

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (Contd.)

142. <i>Cyllene fuscata</i> A. Adams, 1851 Subfamily NASSARIINAE Iredale, 1916 (1835) Genus <i>Nassarius</i> Duméril, 1805	Off Chandipur and Puri ¹⁷ , Mahanadi estuary ²⁰
143. <i>Nassarius ariel</i> (Preston, 1910)	Balasore Bay ¹⁷
144. <i>Nassarius callospira</i> (A. Adams, 1852)	Chhatrapur coast ¹⁷
145. <i>Nassarius comptus</i> (A. Adams, 1852)	Odisha coast ¹⁷
146. <i>Nassarius denegabilis</i> Preston, 1914	Chilka Lake ^{11,12}
147. <i>Nassarius dorsatus</i> (Röding, 1798)	Puri ¹⁷ , Mahanadi estuary ²⁰ , Talsari ³¹
148. <i>Nassarius foveolatus</i> (Dunker, 1847)	Chilka Lake ^{17,18} , Subarnarekha estuary ²⁴
149. <i>Nassarius jacksonianus</i> (Quoy and Gaimard, 1833)	Puri ¹⁷ , Chilka Lake ¹⁸
150. <i>Nassarius livescens</i> (Philippi, 1849)	Chilka Lake ^{17,18}
151. <i>Nassarius marratii</i> (E.A. Smith, 1876)	Chilka Lake ¹²
152. <i>Nassarius nodifer</i> (Powys, 1835)*	Chandipur, Talsari (Present collection)
153. <i>Nassarius orissaensis</i> (Preston, 1914)	Chilka Lake ^{11,12,17,18}
154. <i>Nassarius pullus</i> (Linnaeus, 1758)	Chhatrapur coast ¹⁷
155. <i>Nassarius stolatus</i> (Gmelin, 1791)	Entire Odisha coast ^{17,18,20,24,31}
156. <i>Nassarius subconstrictus</i> (Sowerby III, 1899)	Puri and Chilka Lake ^{17,18} , Mahanadi estuary ²⁰
157. <i>Nassarius subspinosus</i> (Lamarck, 1822) = <i>Nassa sistroidea</i> G. and H. Nevill ⁴⁷	Chilka Lake ^{11,12}
158. <i>Nassarius variegatus</i> (A. Adams, 1852)	Puri, Ganjam coast ¹⁷
159. <i>Nassarius vittatus</i> (A. Adams, 1853) Genus <i>Tritia</i> Risso, 1826	Puri, Chilka Lake ^{17,18}
160. <i>Tritia burchardi</i> (Philippi, 1849) = <i>Nassa labecula</i> A. Adams ⁴⁷	Satpada (Chilka Lake) ¹¹
161. <i>Tritia obsoleta</i> (Say, 1822) Family MELONGENIDAE Gill, 1871 (1854) Genus <i>Volegalea</i> Iredale, 1938	Chilka Lake ⁷⁴
162. <i>Volegalea cochlidium</i> (Linnaeus, 1758) Genus <i>Hemifusus</i> Swainson, 1840	Entire Odisha coast ^{17,18,20,24}
163. <i>Hemifusus ternatanus</i> (Gmelin, 1791)* Super family MURICOIDEA Family MURICIDAE Rafinesque, 1815 Subfamily MURICINAE Rafinesque, 1815 Genus <i>Chicoreus</i> Montfort, 1810	Gopalpur (Present collection)
164. <i>Chicoreus microphyllus</i> (Lamarck, 1822)	Chandipur, Paradip, Puri ¹⁷
165. <i>Chicoreus ramosus</i> (Linnaeus, 1758)* Genus <i>Murex</i> Linnaeus, 1758	Gopalpur (Present collection)
166. <i>Murex carbonnieri</i> (Jousseume, 1881)	Mahandi estuary ²⁰ , Rushikulya estuary ²⁹
167. <i>Murex ternispina</i> Lamarck, 1822	Gopalpur (Present collection)
168. <i>Murex trapa</i> Röding, 1798	Mahandi estuary ²⁰ , Gopalpur (Present collection)
169. <i>Murex tribulus</i> Linnaeus, 1758	Entire Odisha coast ^{17,19,23,24,31}
170. <i>Murex troscheli</i> Lischke, 1868 Genus <i>Naquetia</i> Jousseume, 1880	Bahuda estuary ³⁰
171. <i>Naquetia barclayi</i> (Reeve, 1858) = <i>Naquetia annandalei</i> (Preston, 1910) ⁴⁸ Subfamily RAPANINAE Gray, 1853 Genus <i>Cronia</i> H. Adams & A. Adams, 1853	Off Gopalpur coast ¹⁷
172. <i>Cronia konkanensis</i> (Melvill, 1893)*	Gopalpur (Present collection)
173. <i>Cronia subnodulosa</i> (Melvill, 1893) Genus <i>Indothais</i> Claremont, Vermeij, Williams & Reid, 2013	Mahandi estuary ²⁰
174. <i>Indothais lacera</i> (Born, 1778) = <i>Thais carinifera</i> (Lamarck, 1822) ⁴⁹	Entire Odisha coast ^{11,17,18,20,24,31}
175. <i>Indothais blanfordi</i> (Melvill, 1893)	Talsari ³¹
176. <i>Indothais tissoti</i> (Petit, 1852) Genus <i>Purpura</i> Bruguière, 1789	Paradip coast ¹⁷ , Mahandi estuary ²⁰
177. <i>Purpura panama</i> (Röding, 1798)*	Gopalpur (Present collection)
178. <i>Purpura bufo</i> Lamarck, 1822 Genus <i>Rapana</i> Schumacher, 1817	Gopalpur coast ¹⁷ , Mahandi estuary ²⁰

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

179. <i>Rapana rapiformis</i> (Born, 1778)	Balasore Bay, Khira Gachha Madeli, Puri ¹⁷ ; Mahandi estuary ²⁰ , Subarnarekha estuary ²⁴
Subfamily ERGALATAXINAE Kuroda, Habe & Oyama, 1971	
Genus <i>Drupella</i> Thiele, 1925	
180. <i>Drupella rugosa</i> (Born, 1778)	Purin coast, Ganjam coast ¹⁷
Genus <i>Ergalatax</i> Iredale, 1931	
181. <i>Ergalatax contracta</i> (Reeve, 1846)	Ganjam coast ¹⁷ , Chilka Lake ¹⁸
Genus <i>Morula</i> Schumacher, 1817	
182. <i>Morula biconica</i> (Blainville, 1832)	Ganjam coast ¹⁷
183. <i>Morula granulata</i> (Duclou, 1832)	Ganjam coast ¹⁷
Family BABYLONIIDAE Kuroda, Habe & Oyama, 1971	
Genus <i>Babylonea</i> Schlüter, 1838	
184. <i>Babylonea spirata</i> (Linnaeus, 1758)	Entire coast of Odisha ^{17,19,20,23}
185. <i>Babylonea zeylanica</i> (Bruguière, 1789)*	Gopalpur (Present collection)
Family COSTELLARIIDAE MacDonald, 1860	
Genus <i>Costellaria</i> Swainson, 1840	
186. <i>Costellaria mandirella</i> Ray, 1968	Puri ¹⁷
Family MARGINELLIDAE Fleming, 1828	
Genus <i>Marginella</i> Lamarck, 1799	
187. <i>Marginella angustata</i> Sowerby II, 1846	Ganjam coast ¹⁷
188. <i>Marginella ventriosa</i> Hadley, 1903	Puri, Gopalpur ¹⁷
Genus <i>Cryptospira</i> Hinds, 1844	
189. <i>Cryptospira elegans</i> (Gmelin, 1791)	Chilka Lake ¹⁸
Family MITRIDAE Swainson, 1831	
Genus <i>Cancilla</i> Swainson, 1840	
190. <i>Cancilla interlirata</i> (Reeve, 1844)	Puri ¹⁷
Genus <i>Neocancilla</i> Cernohorsky, 1970	
191. <i>Neocancilla circula</i> (Kiener, 1838)	Chhatrapur ¹⁷
Genus <i>Scabricola</i> Swainson, 1840	
192. <i>Scabricola fusca</i> (Swainson, 1824)	Puri ¹⁷
Family VOLUTIDAE Rafinesque, 1815	
Subfamily VOLUTINAE Rafinesque, 1815	
Genus <i>Harpulina</i> Dall, 1906	
193. <i>Harpulina lapponica</i> (Linnaeus, 1767)*	Gopalpur (Present collection)
Subfamily AMORIINAE Gray, 1857	
Genus <i>Melo</i> Broderip in Sowerby I, 1826	
194. <i>Melo melo</i> (Lightfoot, 1786)	Talsari ³¹
Family HARPIDAE Bronn, 1849	
Genus <i>Harpa</i> Röding, 1798	
195. <i>Harpa davidis</i> (Röding, 1798)	Khiragachha Madeli ¹⁷ , Mahanadi estuary ²⁰
196. <i>Harpa major</i> Röding, 1798	Gopalpur ²⁹ ; Off shore coast of Odisha ³²
Super family OLIVOIDEA Latreille, 1825	
Family OLIVIDAE Latreille, 1825	
Genus <i>Agaronia</i> Gray, 1839	
197. <i>Agaronia gibbosa</i> (Born, 1778)	Entire coast of Odisha ^{16-18,20,23,24,29-31}
198. <i>Agaronia nebulosa</i> (Lamarck, 1822)	Puri ¹⁷ , Mahanadi estuary ²⁰ , Talsari ³¹
Genus <i>Ancilla</i> Lamarck, 1799	
199. <i>Ancilla ampla</i> (Gmelin, 1791)	Chandipur, Talburai, Balramguri, Chhatrapur ¹⁷ ; Subarnarekha estuary ²⁴ ; Talsari ³¹
Genus <i>Oliva</i> Bruguière, 1789	
200. <i>Oliva oliva</i> (Linnaeus, 1758)	Entire coast of Odisha ^{17,18-20,23,29-31}
201. <i>Oliva vidua</i> (Röding, 1798)	Puri, Chhatrapur ¹⁷
Super family CONOIDEA	
Family CONIDAE Fleming, 1822	
Genus <i>Conus</i> Linnaeus, 1758	
202. <i>Conus bayani</i> Jousseaume, 1872*	Gopalpur (Present collection)
203. <i>Conus betulinus</i> Linnaeus, 1758	Odisha coast ¹⁷
204. <i>Conus coromandelicus</i> E.A.Smith, 1894*	Gopalpur (Present collection)

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

205. <i>Conus figulinus</i> Linnaeus, 1758	Odisha coast ¹⁷
206. <i>Conus hyaena</i> Hwass in Bruguière, 1792	Chilka Lake ⁷⁴
207. <i>Conus inscriptus</i> Reeve, 1843	Off Puri coast ¹⁷ ; Rushikulya and Bahuda estuary ²³
208. <i>Conus striatus</i> Linnaeus, 1758	Odisha coast ¹⁶
Family TEREBRIDAE Mörch, 1852	
Genus <i>Hastula</i> H. Adams & A. Adams, 1853	
209. <i>Hastula bacillum</i> (Deshayes, 1859)	Gopalpur, Puri, Khira Gachha Madeli ¹⁷ , Mahanadi estuary ²⁰
210. <i>Hastula strigilata</i> (Linnaeus, 1758)	Gopalpur, Chhatrapur, Puri, Konark, Khira Gachha Madeli ¹⁷ , Mahanadi estuary ²⁰
211. <i>Hastula tenera</i> (Hinds, 1844)	Subarnarekha estuary ²⁴
212. <i>Hastula trailli</i> Deshayes, 1859	Gopalpur, Puri ¹⁷
Genus <i>Euterebra</i> Cotton & Godfrey, 1932	
213. <i>Euterebra tantilla</i> (E. A. Smith, 1873) = <i>Terebra asiatica</i> Ray, 1968 ⁵⁰	Off Puri coast ¹⁷
214. <i>Euterebra padangensis</i> (Thiele, 1925) = <i>Terebra durgella</i> Ray, 1968 ⁵¹	Off Puri coast ¹⁷
Genus <i>Granuliterebra</i> Oyama, 1961	
215. <i>Granuliterebra tricineta</i> (E. A. Smith, 1877)	Off Puri coast ¹⁷
Family TURRIDAE	
Genus <i>Asthenotoma</i> Harris & Burrows, 1891	
216. <i>Asthenotoma vertebrata</i> (E.A. Smith, 1875)	Off Puri coast ¹⁷
Genus <i>Gemmula</i> Weinkauff, 1875	
217. <i>Gemmula speciosa</i> (Reeve, 1842)	Ganjam coast ¹⁷
218. <i>Gemmula vagata</i> (E.A. Smith, 1895)	Paradip ²⁷
Genus <i>Lienardia</i> Jousseume, 1884	
219. <i>Lienardia cosmia</i> Winckworth, 1940	Off Puri coast ¹⁷
220. <i>Lienardia graveyi</i> Winckworth, 1940	Off Puri coast ¹⁷
Genus <i>Lophiotoma</i> Casey, 1904	
221. <i>Lophiotoma indica</i> (Röding, 1798)	Puri, Chhatrapur ¹⁷ , Rushikulya estuary ¹⁹
Family DRILLIIDAE Olsson, 1964	
Genus <i>Drillia</i> Gray, 1838	
222. <i>Drillia euchores</i> Melvill	Off Puri coast ¹⁷
223. <i>Drillia ganjamensis</i> Preston, 1910	Ganjam coast ¹⁷
224. <i>Drillia major</i> (Reeve)	Off Puri coast ¹⁷
Family MANGELIIDAE P.Fischer, 1883	
Genus <i>Pseudorhaphitoma</i> Boettger, 1895	
225. <i>Pseudorhaphitoma fairbanki</i> (G. Nevill & H. Nevill, 1875)	Off Puri coast ¹⁷
Genus <i>Mangelia</i> Risso, 1826	
226. <i>Mangelia fulvocincta</i> Nevill	Puri coast ¹⁷
Family CLAVATULIDAE Gray, 1853	
Genus <i>Turricula</i> Schumacher, 1817	
227. <i>Turricula javana</i> (Linnaeus, 1767)	Entire coast of Odisha ^{17,20,23,24,31}
228. <i>Turricula tornata</i> (Dillwyn, 1817)	Puri, Chhatrapur ¹⁷ , Mahanadi estuary ²⁰
229. <i>Turricula tornata fulminata</i> (Kiener, 1839)	Off Devi river mouth ¹⁷
Genus <i>Ptychobela</i> Thiele, 1925	
230. <i>Ptychobela nodulosa</i> (Gmelin, 1791) = <i>Brachytoma crenularis</i> (Lamarck, 1822) ⁵²	Chandipur, Konark, Ganjam coast ¹⁷
Super family CANCELLARIOIDEA	
Family CANCELLARIIDAE Forbes & Hanely, 1851	
Genus <i>Cancellaria</i> Lamarck, 1799	
231. <i>Cancellaria asperella</i> Lamarck, 1822	Puri ¹⁷
232. <i>Cancellaria oblonga</i> Sowerby I, 1825	Puri ¹⁷
Genus <i>Merica</i> H. Adams & A. Adams, 1854	
233. <i>Merica elegans</i> (G.B. Sowerby I, 1822)	Chilka Lake ^{18,74}
Genus <i>Scalptia</i> Jousseume, 1887	
234. <i>Scalptia nassa</i> (Gmelin, 1791) = <i>Trigonostoma lamellosa</i> (Hinds)	Odisha coast ¹⁷

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

235. <i>Scalptia scalariformis</i> (Lamarck, 1822)	Subarnarekha estuary ²⁴
Order HETEROBRANCHIA	
Super family ARCHITECTONICOIDEA	
Family ARCHITECTONICIDAE	
Genus <i>Architectonica</i> Röding, 1798	
236. <i>Architectonica laevigata</i> (Lamarck, 1816)	Entire Odisha coast ^{17,19,20,29,31}
237. <i>Architectonica perspectiva</i> (Linnaeus, 1755)	Subarnarekha estuary ²⁴
Super family PYRAMIDELLOIDEA Gray, 1840	
Family PYRAMIDELLIDAE Gray, 1840	
Genus <i>Odostomia</i> Fleming, 1813	
238. <i>Odostomia babylonica</i> Winckworth, 1940	Off Puri coast ¹⁷
239. <i>Odostomia chilkaensis</i> Preston, 1914	Chilka Lake ^{11,12,17,18}
240. <i>Odostomia oxia</i> Watson, 1886	Subarnarekha estuary ²⁴
Genus <i>Pyramidella</i> Lamarck, 1799	
241. <i>Pyramidella pulchella</i> (A. Adams, 1854)	Odisha coast ¹⁷
Genus <i>Pyrgulina</i> A. Adams, 1863	
242. <i>Pyrgulina ecclesia</i> (Preston, 1915)	Chilka Lake ^{12,17,18}
243. <i>Pyrgulina nadiensis</i> (Preston, 1915)	Chilka Lake ^{12,17,18}
Genus <i>Syrnola</i> A. Adams, 1860	
244. <i>Syrnola dubiosa</i> Nevill, 1871	Puri ¹⁷
245. <i>Turbonilla crichtoni</i> Winckwerth, 1940	Puri ¹⁷
246. <i>Turbonilla kemp</i> Ray, 1968	Off Puri coast ¹⁷
247. <i>Turbonilla materna</i> Melvill, 1912	Off Puri coast ¹⁷
248. <i>Turbonilla prashadi</i> Ray, 1968	Off Puri coast ¹⁷
249. <i>Turbonilla prestoni</i> Ray, 1968	Off Puri coast ¹⁷
250. <i>Turbonilla puriensis</i> Ray, 1968	Off Puri coast ¹⁷
251. <i>Turbonilla rambhaensis</i> (Preston, 1914)	Chilka Lake ^{11,12,17,18}
Genus <i>Quirella</i> Laseron, 1959	
252. <i>Quirella humilis</i> (Preston, 1905) = <i>Chrysallida (Mormula) humilis</i> Preston ⁵³	Chilka Lake ^{12,17,18}
Family AMATHINIDAE Ponder, 1987	
Genus <i>Amathina</i> Gray, 1842	
253. <i>Amathina tricarinata</i> (Linnaeus, 1767)	Gopalpur coast ¹⁷
Super family RINGICULOIDEA	
Family RINGICULIDAE	
Genus <i>Ringicula</i> Deshayes, 1838	
254. <i>Ringicula encarpiferens</i> De Folin, 1878	Odisha coast ¹⁷
255. <i>Ringicula propinquans</i> Hinds, 1844	Off Puri coast ¹⁷
Order CEPHALASPIDEA	
Super family HAMINOEOIDEA	
Family HAMINOEIDAE Pilsbry, 1895	
Genus <i>Aliculastrum</i> Pilsbry, 1896	
256. <i>Aliculastrum cylindriticus</i> (Helbling, 1779) = <i>Atyis (Aliculastrum) cylindriticus</i> Helbling ⁵⁴	Puri coast ¹⁷
Genus <i>Haminoea</i> Turton & Kingston (in Carrington), 1830	
257. <i>Haminoea crocata</i> Pease, 1860	Chilka Lake ^{11,12,17,18} , Subarnarekha estuary ²⁴
Super family PHILINOIDEA	
Family AGLAJIDAE Pilsbry, 1895 (1847)	
Genus <i>Melanochlamys</i> Cheeseman, 1881	
258. <i>Melanochlamys</i> sp.	Subarnarekha estuary ²⁴
Family CYLICHNIDAE	
Genus <i>Tornatina</i> A. Adams, 1850	
259. <i>Tornatina estriata</i> Preston, 1914	Chilka Lake ^{11,12,17,18}
260. <i>Tornatina soror</i> Preston, 1914	Chilka Lake ¹¹
Family RETUSIDAE Thiele, 1925	
Genus <i>Retusa</i> T. Brown, 1827	
261. <i>Retusa pyramidata</i> (A. Adams, 1850)	Off Puri coast ¹⁷
Order HYGROPHILA	
Family PLANORBIDAE Rafinesque, 1815	
Genus <i>Indoplanorbis</i> Annandale & Prashad, 1920	

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (Contd.)

262. <i>Indoplanorbis exustus</i> (Deshayes, 1834)	Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹
Order EUPULMONATA	
Super family ELLOBIOIDEA L. Pfeiffer, 1854 (1822)	
Family ELLOBIIDAE L. Pfeiffer, 1854 (1822)	
Genus <i>Cassidula</i> Férussac, 1821	
263. <i>Cassidula nucleus</i> (Gmelin, 1971)	Subarnarekha estuary ²⁴
Genus <i>Ellobium</i> Röding, 1798	
264. <i>Ellobium aurisjudae</i> (Linnaeus, 1758)	Chnadipur, Balaramguri ¹⁷
265. <i>Ellobium gangeticum</i> (Pfeiffer, 1855)	Khira Gachha Madeli, False Point ¹⁷ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴
Genus <i>Melampus</i> Montfort, 1810	
266. <i>Melampus ceylonicus</i> (Petit de la Saussaye, 1843)	Chilka Lake ¹⁸
267. <i>Melampus pulchella</i> (Petit, 1842)*	Talsari (Present collection)
Genus <i>Pythia</i> Röding, 1798	
268. <i>Pythia plicata</i> (Férussac, 1821)	Paradip, False Point ¹⁷ ; Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴
Order SYSTELLOMMATOPHORA	
Super family ONCHIDIOIDEA Rafinesque, 1815	
Family ONCHIDIIDAE Rafinesque, 1815	
Genus <i>Peronia</i> Fleming, 1822	
269. <i>Peronia verruculata</i> (Cuvier, 1830)	Mahanadi estuary ¹⁷ ; Mahanadi estuary ²⁰ , Talsari(Present collection)
Genus <i>Onchidium</i> Buchannan, 1800	
270. <i>Onchidium tenerum</i> Stoliczka, 1869	Subarnarekha estuary ²⁴ ; Mahanadi estuary ²⁰ , Talsari(Present collection)
271. <i>Onchidium tigrinum</i> Stoliczka, 1869*	Talsari(Present collection)
272. <i>Onchidium typhae</i> Buchanan, 1800	Subarnarekha estuary ²⁴ ; Talsari(Present collection)
Order SACOGLOSSA	
Super family PLACOBANCHACEA Gray, 1840	
Family PLACOBANCHIDAE Gray, 1840	
Genus <i>Elysia</i> Risso, 1818	
273. <i>Elysia chilkaensis</i> Elliot, 1916	Chilka Lake ¹⁸
Super family LIMAPONTIOIDEA Gray, 1847	
Family LIMAPONTIIDAE Gray, 1847	
Genus <i>Ercolania</i> Trinchese, 1872	
274. <i>Ercolania pica</i> (Annandale and Prashad, 1922) = <i>Stiliger pica</i> Annandale and Prashad, 1922 ⁵⁵	Chilka Lake ¹⁸
Order NUDIPLERA	
Super family PLEUROBRANCHOIDEA Gray, 1827	
Family PLEUROBRANCHIDAE Pilsbry, 1896	
Genus <i>Pleurobranchia</i> Leue, 1813	
275. <i>Pleurobranchia</i> sp.	Subarnarekha estuary ²⁴
Order CLADOBRANCHIA	
Super family ARMINOIDEA Iredale & O'Donoghue, 1923 (1841)	
Family ARMINIDAE Iredale & O'Donoghue, 1923 (1841)	
Genus <i>Armina</i> Rafinesque, 1814	
276. <i>Armina babai</i> (Tchang, 1934)	Talasari, Suabrnarekha estuary ²⁸
277. <i>Armina</i> sp.	Subarnarekha estuary ²⁴
Super family FIONOIDEA Gray, 1857	
Family TERGIPEDIDAE Bergh, 1889	
Genus <i>Cuthona</i> Alder & Hancock, 1855	
278. <i>Cuthona henrici</i> Eliot, 1916	Chilka Lake ¹⁸
Class SCAPHOPODA Bronn, 1862	
Order DENTALIIDA da Costa, 1776	
Family DENTALIIDAE Children, 1834	
Genus <i>Dentalium</i> Linnaeus, 1758	
279. <i>Dentalium octangulatum</i> Donovan, 1904	Puri, Khira Gachha Madeli, Lions Rump ¹⁷ , Mahanadi estuary ²⁰
Class BIVALVIA Linnaeus 1758	
Order NUCULOIDA Dall, 1889	
Super family NUCULOIDEA Gray, 1824	
Family NUCULIDAE Gray, 1824	
Genus <i>Ennucula</i> Iredale, 1931	

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

280. <i>Ennucula convexa</i> (G. B. Sowerby I, 1833) = <i>Nucula</i> (<i>Leionucula</i>) <i>convexa</i> Sowerby ⁵⁶ Genus <i>Nucula</i> Lamarck, 1799	Off Puri, Gopalpur ¹⁷
281. <i>Nucula mitralis</i> Hinds, 1843 Order NUCULANIDA Carter, D. C. Campbell & M. R. Campbell, 2000 Super family NUCULANOIDEA H. Adams & A. Adams, 1858 (1854) Family NUCULANIDAE H. Adams & A. Adams, 1858 (1854) Genus <i>Nuculana</i> Link, 1807	Gopalpur, Puri ¹⁷
282. <i>Nuculana robsoni</i> Prashad, 1932 Order MYTILIDA Férussac, 1822 Superfamily MYTILOIDEA Rafinesque, 1815 Family MYTILIDAE Rafinesque, 1815 Genus <i>Amygdalum</i> Megerle von Mühlfeld, 1811	Puri ¹⁷
283. <i>Amygdalum watsoni</i> (E.A. Smith, 1885) Genus <i>Brachidontes</i> Swainson, 1840	Off Gopalpur ¹⁷
284. <i>Brachidontes striatulus</i> (Hanley, 1843) = <i>Modiola emerginata</i> Benson ⁵⁶ Genus <i>Choromytilus</i> Soot-Ryen, 1952	Entire Odish coast ^{11,17,18,20,24,31,74}
285. <i>Choromytilus chorus</i> (Molina, 1782)* Genus <i>Modiolus</i> Lamarck, 1799	Paradip (Present collection)
286. <i>Modiolus metcalfei</i> Hanely, 1843*	Paradip (Present collection)
287. <i>Modiolus moduloides</i> (Röding, 1798)*	Paradip (Present collection)
288. <i>Modiolus philippinarum</i> (Hanley, 1843)	Chandipur ¹⁷ , Chilka Lake ^{17,18}
289. <i>Modiolus tulipa</i> Lamarck, 1819	Subarnarekha estuary ²⁴
290. <i>Modiolus undulatus</i> (Linnaeus, 1758) Genus <i>Musculus</i> Röding, 1798	Chilka Lake ^{11,12,17,18,74} , Talsari ³¹
291. <i>Musculus cumingianus</i> (Reeve, 1857) Genus <i>Perna</i> Philipsson, 1788	Off Gopalpur ¹⁷
292. <i>Perna perna</i> Linnaeus, 1758	Chilka Lake ⁷⁴
293. <i>Perna viridis</i> (Linnaeus, 1758) = <i>Mytilus smaragdinus</i> Gmelin, 1791 ⁵⁶ Order ARCIDA Gray 1854 Superfamily ARCOIDEA Lamarck, 1809 Family ARCIDAE Lamarck, 1809 Genus <i>Anadara</i> Gray, 1847	Entire Odish coast ^{12,17,18,20,24,29-31,74}
294. <i>Anadara antiquata</i> (Linnaeus, 1758)	Bahuda estuary ²⁹ , Talsari ³¹
295. <i>Anadara craticulata</i> (Nyst, 1848) = <i>Scapharca clathrata</i> (Reeve) ⁵⁶	Chandipur, Ganjam coast ¹⁷
296. <i>Anadara cornea</i> (Reeve, 1844)	Talsari ³¹
297. <i>Anadara inaequalis</i> (Bruguière, 1789)	Chandipur, Balaramguri, Konark, Chhatrapur ¹⁷ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴ , Talsari ³¹
298. <i>Anadara indica</i> (Gmelin, 1791) = <i>Scapharca deyrollei</i> (Jousseume) ⁵⁶	Entire coast ^{17,18,20,23,24,31}
299. <i>Anadara pilula</i> (Reeve, 1843)* Genus <i>Mesocibota</i> Iredale, 1939	Gopalpur (Present collection)
300. <i>Mesocibota bistrigata</i> (Dunker, 1866) = <i>Barbatia (Calloarca) bistrigata</i> (Dunker) ⁵⁶ Genus <i>Barbatia</i> Gray, 1842	Chandipur, Konark, Ganjam coast ¹⁷
301. <i>Barbatia helblingi</i> (Bruguière, 1789) Genus <i>Tegillarca</i> Iredale, 1939	Ganjam coast ¹⁷
302. <i>Tegillarca granosa</i> (Linnaeus, 1758)	Entire Odisha coast ^{11,17,18,20,23,24,31,74}
303. <i>Tegillarca nodifera</i> (Martens, 1860)*	Gopalpur, Talsari (Present collection)
304. <i>Tegillarca rhombea</i> (Born, 1778) Family CUCULLAEIDAE Stewart, 1930 Genus <i>Cucullaea</i> Lamarck, 1801	Entire coast ^{17,18,20,23,30}
305. <i>Cucullaea labiata</i> (Lightfoot, 1786) Family NOETIIDAE Stewart, 1930 Genus <i>Striarca</i> Conrad, 1862	Ganjam coast ¹⁷

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (Contd.)

306. <i>Striarca lactea</i> (Linnaeus, 1758) Family GLYCYMERIDIDAE Dall, 1908 Genus <i>Glycymeris</i> da Costa, 1778	Chilka Lake ^{12,17,18,74} , False point ¹⁷ , Mahanadi estuary ²⁰
307. <i>Glycymeris tenuicostata</i> (Reeve, 1843) Order PTERIIDA Newell, 1965 Super family PTERIOIDEA Gray, 1847 (1820) Family PTERIIDAE Gray, 1847 (1820) Genus <i>Pteria</i> Scopoli, 1777	Paradip, Puri, Kanark ¹⁷ , Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹ , Mahanadi estuary ²⁰
308. <i>Pteria smithi</i> (Preston, 1910) Family ISOGNOMONIDAE Woodring, 1925 (1828) Genus <i>Isognomon</i> Lightfoot, 1786	Off Gopalpur ¹⁷
309. <i>Isognomon isognomum</i> (Linnaeus, 1758)	Off Ganjam coast ¹⁷
310. <i>Isognomon legumen</i> (Gmelin, 1791) Super family PINNOIDEA Leach, 1819 Family PINNIDAE Leach, 1819 Genus <i>Pinna</i> Linnaeus, 1758	Off Ganjam coast ¹⁷
311. <i>Pinna bicolor</i> Gmelin, 1791* Order OSTREIDA Férussac, 1822 Super family OSTREOIDEA Rafinesque, 1815 Family OSTREIDAE Rafinesque, 1815 Genus <i>Crassostrea</i> Sacco, 1897	Talsari ³¹
312. <i>Crassostrea cuttackensis</i> (Newton and Smith, 1912)	Entire coast ^{17-20,23,24,30,31}
313. <i>Crassostrea gigas</i> (Thunberg, 1793)*	Gopalpur (Present collection)
314. <i>Crassostrea gryphoids</i> (Schlotheim, 1813) Genus <i>Dendostrea</i> Swainson, 1835	Subarnarekha estuary ²⁴
315. <i>Dendostrea frons</i> (Linnaeus, 1758) = <i>Lopha (Lopha)frons</i> (Linnaeus) ⁵⁷	Off Odisha coast ¹⁷
316. <i>Dendostrea senegalensis</i> (Gmelin, 1791) = <i>Crassostrea lacerata</i> (Hanley) ⁵⁷ Genus <i>Ostrea</i> Linnaeus, 1758	Chandipur, Balaramguri ¹⁷
317. <i>Ostrea futamiensis</i> Seki, 19129 Genus <i>Saccostrea</i> Dollfus & Dautzenberg, 1920	Ganjam coast ¹⁷
318. <i>Saccostrea cucullata</i> (Born, 1778) Genus <i>Nanostrea</i> Harry, 1985	Entire Odisha coast ^{17,18,20,23,24,31}
319. <i>Nanostrea fluctigera</i> (Jousseau in Lamy, 1925) = <i>Saccostrea deformis</i> (Lamarck) ⁵⁶ Family GRYPHAEIDAE Vialov, 1983 Genus <i>Hyotissa</i> Stenzel, 1971	Balaswar Bay, Black Pagoda, Off Gopalpur coast ¹⁷
320. <i>Hyotissa hyotis</i> (Linnaeus, 1758)	Chandipur, Black Pagoda, Chilka Lake ¹⁸ , Gopalpur ¹⁷
321. <i>Hyotissa numisma</i> (Lamarck, 1819) = <i>Ostrea lentiginosa</i> Sowerby ⁵⁶ Order PECTINIDA Gray, 1854 Super family ANOMIOIDEA Rafinesque, 1815 Family ANOMIIDAE Rafinesque, 1815 Genus <i>Anomia</i> Linnaeus, 1758	Odisha coast ¹⁷
322. <i>Anomia achaeus</i> Gray, 1850 = <i>Anomia scabra</i> Reeve ⁵⁸	Chandipur ¹⁷ , Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹ , Subarnarekha estuary ²⁴
323. <i>Anomia ephippium</i> Linnaeus, 1758* Genus <i>Enigmonia</i> Iredale, 1918	Gopalpur (Present collection)
324. <i>Enigmonia aenigmatica</i> (Holten, 1802) Family PLACUNIDAE Rafinesque, 1815 Genus <i>Placuna</i> Lightfoot, 1786	Puri, False point, Khira Gachha Madeli ¹⁷ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴
325. <i>Placuna plecenta</i> (Linnaeus, 1758) Super family PECTINOIDEA Rafinesque, 1815 Family PECTINIDAE Rafinesque, 1815 Genus <i>Amusium</i> Röding, 1798	Mahanadi estuary ²⁰ , Chilka Lake ¹⁸ , Rushikulya and Bahuda estuary ²³

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

326. <i>Amusium pleuronectes</i> (Linnaeus, 1758) Genus <i>Minnivola</i> Iredale, 1939	Off Gopalpur coast, Devi river mouth ¹⁷ , Mahanadi estuary ²⁰
327. <i>Minnivola pyxidata</i> (Born, 1778) = <i>Pecten (Pecten) pyxidatus</i> (Born) ⁵⁹ Genus <i>Volachlamys</i> Iredale, 1939	Chandipur ¹⁷
328. <i>Volachlamys tranquebaricas</i> (Gmelin, 1791) Family SPONDYLIDAE Gray, 1826 Genus <i>Spondylus</i> Linnaeus, 1758	Chandipur, Puri, Pardip, Gopalpur ¹⁷ , Mahanadi estuary ²⁰
329. <i>Spondylus nicobaricus</i> Schreibers, 1793 = <i>Spondylus hyslrix</i> Roeding ⁶⁰	Ganjam coast ¹⁷
330. <i>Spondylus layardi</i> Reeve, 1856 Order LIMIDA Moore, 1952 Super family LIMOIDEA Rafinesque, 1815 Family LIMIDAE Rafinesque, 1815 Genus <i>Ctenoides</i> Mörch, 1853	Konark coast ¹⁷
331. <i>Ctenoides annulatus</i> (Lamarck, 1819) Order UNIONOIDA Gray, 1854 Super family UNIONOIDE Rafinesque, 1820 Family UNIONIDAE Rafinesque, 1820 Genus <i>Parreysia</i> Conrad, 1853	Ganjam coast ¹⁷ , Chilka Lake ¹⁸
332. <i>Parreysia corrugata</i> (Müller, 1774) Order CARDITIDA Dall, 1889 Super family CARDITOIDEA Ferrusac, 1822 Family CARDITIDAE Ferrusac, 1822 Genus <i>Cardita</i> Bruguière, 1792	Rushikulya estuary ¹⁹
333. <i>Cardita senegalensis</i> Reeve, 1843* Genus <i>Cardites</i> Link, 1807	Gopalpur (Present collection)
334. <i>Cardites antiquatus</i> (Linnaeus, 1758)	Entire coast of Odisha ^{17,18-20}
335. <i>Cardites bicolor</i> (Lamarck, 1819) Order VENERIDA Gray, 1854 Super family ARCTICOIDEA Newton, 1891 (18440) Family TRAPEZIDAE Lamy, 1920 Genus <i>Neotrapezium</i> Habe, 1951	Rushikulya estuary ²⁹ , Gopalpur (Present collection)
336. <i>Neotrapezium sublaevigatum</i> (Lamarck, 1819) = <i>Petricula esculpturata</i> Preston, 1815 ⁵⁶ Super family CARDIOIDEA Lamarck, 1809 Family CARDIIDAE Lamarck, 1809 Sub family TRACHYCARDIINAE Stewart, 1930 Genus <i>Acrosterigma</i> Dall, 1900	Chilka Lake ^{12,17,18}
337. <i>Acrosterigma variegatum</i> (G. B. Sowerby II, 1840) = <i>Trachycardium variegatum</i> (Sowerby) ⁶¹ Genus <i>Papyridea</i> Swainson, 1840	Khiragachha Madeli, Puri, Gopalpur ¹⁷ , Mahanadi estuary ²⁰
338. <i>Papyridea lata</i> (Born, 1778) = <i>Acanthocardia lata</i> (Born) ⁶² Sub family LAEVICARDIINAE Keen, 1951 Genus <i>Fulvia</i> J. E. Gray, 1853	Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹
339. <i>Fulvia australis</i> (G.B. Sowerby II, 1834)*	Gopalpur (Present collection)
340. <i>Fulvia aperta</i> (Bruguière, 1789) = <i>Laevicardium (Fulvia) apertum</i> (Bruguière) & <i>Cardium (Fulvia) rugatum</i> ⁶³ Sub family CARDIINAE Lamarck, 1809 Genus <i>Vepricardium</i> Iredale, 1929	Chilka Lake ^{12,17,18} , Talsari ³¹
341. <i>Vepricardium coronatum</i> (Schröter, 1786) = <i>Acanthocardia coronata</i> (Schroeter) ⁶³ Sub family FRAGINAE Stewart, 1930 Genus <i>Lunulicardia</i> J.E. Gray, 1853	Chandipur, Paradip, Puri, Konark ¹⁷ , Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹ , Mahanadi estuary ²⁰
342. <i>Lunulicardia retusa</i> (Linnaeus, 1767)* Super family CHAMOIDEA Lamarck, 1809 Family CHAMIDAE Lamarck, 1809 Genus <i>Chama</i> Linnaeus, 1758	Chilka New Mouth (Present collection)

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (Contd.)

343. <i>Chama lazarus</i> Linnaeus, 1758	Ganjam coast ¹⁷
344. <i>Chama pacifica</i> Broderip, 1835 = <i>Chama reflexa</i> Reeve ⁶⁴ Super family CYRENOIDEA Gray, 1840 Family CYRENIDAE Gray, 1840 Genus <i>Polymesoda</i> Rafinesque, 1820	Off Ganjam coast, Balaswar Bay, Puri ¹⁷
345. <i>Polymesoda bengalensis</i> (Lamarck, 1818) Genus <i>Corbicula</i> Megerle von Muhlfeldt, 1811	Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴
346. <i>Corbicula fluminea</i> Müller, 1774	Chilka Lake ⁷⁴
347. <i>Corbicula striatella</i> Deshayes, 1854 Family GLAUCONOMIDAE Gray, 1853 Genus <i>Glaucanome</i> Gray, 1828	Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹
348. <i>Glaucanome angulata</i> Reeve, 1844	Talsari, Chandipur ¹⁷
349. <i>Glaucanome sculpta</i> Sowerby III, 1894	Chandipur ¹⁷ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴ , Talsari ³¹ Talsari ³¹
350. <i>Glaucanome virens</i> (Linnaeus, 1767) Super family GALEOMMATOIDEA J.E. Gray, 1840 Family GALEOMMATIDAE Gray, 1840 Genus <i>Galeomma</i> Turton, 1825	
351. <i>Galeomma argentea</i> Deshayes, 1856 Genus <i>Scintilla</i> Deshayes, 1856	Ganjam coast ¹⁷
352. <i>Scintilla chilkaensis</i> Preston, 1915 Family KELLIIDAE Forbes & Hanley, 1848 Genus <i>Kellya</i> Philippi, 1853	Chilka Lake ^{12,17,18}
353. <i>Kellya chilkaensis</i> Preston, 1915	Chilka Lake ^{12,17,18}
354. <i>Kellya mahosaensis</i> Preston, 1915 Super family MACTROIDEA Lamaeck, 1809 Family MACTRIDAE Lamarck, 1809 Genus <i>Maetra</i> Linnaeus, 1767	Chilka Lake ¹²
355. <i>Maetra achatina</i> Holten, 1802	Talsari ³¹
356. <i>Maetra cuneata</i> Gmelin, 1791	Entire coast ^{17,19,20,23,31}
357. <i>Maetra dissimilis</i> Reeve, 1854	Talsari ³¹
358. <i>Maetra grandis</i> Gmelin, 1791	Puri, Konark, Gopalpur ¹⁷ , Chilka Lake ^{17,18} , Mahanadi estuary ²⁰ , Rushikulya estuary ²⁹
359. <i>Maetra laevis</i> Dunker, 1871	Puri ¹⁷ , Mahanadi estuary ²⁰
360. <i>Maetra luzonica</i> Reeve, 1854	Entire coast of Odisha ^{17,18-20,24,31}
361. <i>Maetra mera</i> Reeve, 1854	Entire coast of Odisha ^{17,18,19,31}
362. <i>Maetra petiti</i> d'Orbigny, 1846 = <i>Maetra symmetrica</i> Deshayes ⁶⁵	Chandrabhaga ¹⁷ , Rushikulya estuary ²⁹ , Talsari ³¹
363. <i>Maetra stultorum</i> (Linnaeus, 1758)	Talsari ³¹ , Chilka Lake ⁷⁴
364. <i>Maetra turgida</i> Gmelin, 1791	Chandbali, Khira Gachha Madeli, Konark ¹⁷ , Chilka Lake ¹⁸ , Mahanadi estuary ²⁰ , Talsari ³¹
365. <i>Maetra violacea</i> Gmelin, 1791 Genus <i>Maetrinula</i> Gray, 1853	Chandbali, Chandipur ¹⁷ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴ , Talsari ³¹
366. <i>Maetrinula reevesii</i> (Gray, 1837)	Off Devi river mouth ¹⁷
367. <i>Maetrinula plicataria</i> (Linnaeus, 1767) Genus <i>Standella</i> Gray, 1853	Chandipur ¹⁷
368. <i>Standella nicobarica</i> Gmelin, 1790	Talsari ³¹
369. <i>Standella pellucida</i> (Gmelin, 1791) = <i>Spisula (Standella) annandalei</i> (Preston, 1915) ⁵⁶ Genus <i>Raeta</i> Gray, 1853	Chilka Lake ^{12,17,18} , Konark ¹⁷ , Mahanadi estuary ²⁰ , Talsari ³¹
370. <i>Raeta pellicula</i> (Reeve, 1854)	Talsari ³¹
371. <i>Raeta pulchella</i> (Adams & Reeve, 1850) Super family TELLINOIDEA Blainville, 1814 Family TELLINIDAE Blainville, 1814 Genus <i>Apolymetis</i> Salisbury, 1929	Talsari ³¹
372. <i>Apolymetis edentula</i> (Spengler, 1798) Genus <i>Psammacoma</i> Dall, 1900	Chandipur, Paradip, Konark ¹⁷ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴ , Talsari ³¹

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

373. <i>Psammacoma birmanica</i> (Philippi, 1845)	Talsari ¹⁷ , Chilka Lake ¹⁸ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴ , Talsari ³¹
374. <i>Psammacoma candida</i> (Lamarck, 1818)	Talsari ³¹
375. <i>Psammacoma gubernaculum</i> (Hanley, 1844) = <i>Macoma</i> (<i>Psammacoma</i>) <i>truncata</i> (Jonas) ⁶⁶	Mohanadi estuary, Chilka Lake ^{17,18} , Mahanadi estuary ²⁰ , Talsari ³¹
376. <i>Psammacoma myaeformis</i> (G. B. Sowerby II, 1868) Genus <i>Strigilla</i> Turton, 1822	Puri ¹⁷ , Talsari ³¹
377. <i>Strigilla splendida</i> (Anton, 1838) Genus <i>Tellinides</i> Lamarck, 1818	Chandipur ¹⁷ , Subarnarekha estuary ²⁴ , Talsari ³¹
378. <i>Tellinides sinuatus</i> (Spengler, 1798) = <i>Tellina Tellinides</i> <i>sinuata</i> Spengler ⁶⁷	Chandipur, Konark ¹⁷
379. <i>Tellinides timorensis</i> Lamarck, 1818 Genus <i>Tellina</i> Linnaeus, 1758	Talsari ³¹
380. <i>Tellina ala</i> Hanley, 1845 = <i>Macoma</i> (<i>Psammotreta</i>) <i>ala</i> (Hanley) ⁶⁸	Puri ¹⁷
381. <i>Tellina barhampurensis</i> Preston, 1915	Chilka Lake ^{12,17,18}
382. <i>Tellina chilkaensis</i> Preston, 1915	Chilka Lake ¹²
383. <i>Tellina confusa</i> Preston, 1914	Chilka Lake ¹¹
384. <i>Tellina iridescens</i> (Benson, 1842)	Chilka Lake ^{17,18}
385. <i>Tellina lanceolata</i> Gmelin, 1791	Puri ¹⁷
386. <i>Tellina opalina</i> Chemnitz in Schröter, 1788	Talsari ³¹
387. <i>Tellina tenuis</i> de Coasta, 1778	Chilka Lake ⁷⁴
388. <i>Tellina texturata</i> G.B.Sowerby II, 1867 Genus <i>Abranda</i> Iredale, 1924	Chilka Lake ^{17,18}
389. <i>Abranda casta</i> (Hanley, 1844) = <i>Tellina</i> (<i>Arcopagia</i>) <i>casta</i> Hanley ⁶⁸ Genus <i>Dallitellina</i> Afshar, 1969	Off Puri ¹⁷
390. <i>Dallitellina rostrata</i> (Linnaeus, 1758) Family DONACIDAE J.Fleming, 1828 Genus <i>Donax</i> Linnaeus, 1758	Paradip ¹⁷ , Mahanadi estuary ²⁰
391. <i>Donax aperitus</i> Melvill, 1897	Off Puri ¹⁷
392. <i>Donax cuneatus</i> Linnaeus, 1758	Odisha coast ¹⁶
393. <i>Donax deltoides</i> Lamarck, 1818	Talsari ³¹
394. <i>Donax incarnatus</i> Gmelin, 1791	Chandipur ¹⁷ , Subarnarekha estuary ²⁴ , Chilka Lake ⁷⁴
395. <i>Donax lubricus</i> Hanley, 1845	Chandipur ¹⁷
396. <i>Donax pulchellus</i> Hanley, 1843	Chilka Lake ^{12,17,18} , Talsari ³¹
397. <i>Donax scortum</i> (Linnaeus, 1758) Family PSAMMOBIIIDAE J.Fleming, 1828 Genus <i>Gari</i> Schumacher, 1817	Entire coast of Odisha ^{17,18-20,23,24,30,31}
398. <i>Gari maculosa</i> (Lamarck, 1818) Genus <i>Psammobia</i> Lamarck, 1818	Paradip Port ¹⁷ , Mahanadi estuary ²⁰
399. <i>Psammobia mahosaensis</i> Preston, 1915 Genus <i>Hiatula</i> Modeer, 1793	Chilka Lake ^{12,17,18}
400. <i>Hiatula diphos</i> (Linnaeus, 1771) = <i>Sanguinolaria</i> (<i>Soletellina</i>) <i>acuminata</i> Deshayes & S. (<i>S.</i>) <i>diphos</i> (Linnaeus) ⁵⁶ Family SEMELIDAE Stoliczka, 1870 (1825) Genus <i>Theora</i> H. Adams & A. Adams, 1856	Chandipur, Ganjam, Puri ¹⁷ , Chilka Lake ¹⁸ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴ , Talsari ³¹
401. <i>Theora opalina</i> (Hinds, 1843) Genus <i>Cumingia</i> G. B. Sowerby I, 1833	Chilka Lake ^{11,12,17,18}
402. <i>Cumingia hinduorum</i> Preston, 1915 Super family UNGULINOIDEA Gray, 1854 Family UNGULINIDAE Gray, 1854 Genus <i>Diplodonta</i> Bronn, 1831	Chilka Lake ^{12,17,18}
403. <i>Diplodonta annandalei</i> Preston, 1914	Chilka Lake ^{11,12,17}
404. <i>Diplodonta barhampurensis</i> Preston, 1915	Chilka Lake ^{12,17,18} , Talsari ³¹
405. <i>Diplodonta bullata</i> Dunker, 1865	Chandipur, Gopalpur ¹⁷ , Talsari ³¹
406. <i>Diplodonta chilkaensis</i> Preston, 1914	Chilka Lake ^{11,12,17,18}
407. <i>Diplodonta ovalis</i> Preston, 1914	Chilka Lake ^{11,12,17,18}

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (Contd.)

408. <i>Diplodonta satparaensis</i> Preston, 1915	Chilka Lake ^{12,17,18}
Super family VENEROIDEA Rafinesque, 1815	
Family VENERIDAE Rafinesque, 1815	
Genus <i>Anomalodiscus</i> Dall, 1902	
409. <i>Anomalodiscus squamosus</i> (Linnaeus, 1758)	Konark, Chhatrapur ¹⁷
Genus <i>Bassina</i> Jukes-Browne, 1914	
410. <i>Bassina pachyphylla</i> (Jonas, 1839)	Paradip, Khira Gachha Madeli ¹⁷
Genus <i>Dosinia</i> Scopoli, 1777	
411. <i>Dosinia areolata</i> Römer, 1870*	Chilka New Mouth (Present collection)
412. <i>Dosinia fibula</i> (Reeve, 1850)	Chilka Lake ^{17,18}
413. <i>Dosinia tumida</i> (Gray, 1838)	Chandipur, Chandbali, Paradip, Gopalpur ¹⁷ , Chilka Lake ^{17,18} , Mahanadi estuary ²⁰
Genus <i>Gafrarium</i> Röding, 1798	
414. <i>Gafrarium pectinatum</i> (Linnaeus, 1758)	Konark ¹⁷
Genus <i>Katelysia</i> Römer, 1857	
415. <i>Katelysia japonica</i> (Gmelin, 1791)	Talsari ³¹
Genus <i>Marcia</i> H. Adams & A. Adams, 1857	
416. <i>Marcia opima</i> (Gmelin, 1791) = <i>Marcia pinguis</i> (Schroeter) ⁶⁹	Entire Odisha coast ^{12,17,18-20,29,31}
417. <i>Marcia recens</i> (Holten, 1802)	Puri, Gopalpur ¹⁷ , Mahanadi estuary ²⁰ , Rushikulya estuary ²⁹ , Talsari ³¹
Genus <i>Meretrix</i> Lamarck, 1799	
418. <i>Meretrix casta</i> (Gmelin, 1791)	Entire Odisha coast ^{12,17,18-20,23,24,29,31,74}
419. <i>Meretrix meretrix</i> (Linnaeus, 1758)	Entire Odisha coast ^{12,17,18-20,23,24,29-31,74}
420. <i>Meretrix morphina</i> (Lamarck, 1818)	Gopalpur ¹²
Genus <i>Paphia</i> Röding, 1798	
421. <i>Paphia rotundata</i> (Linnaeus, 1758) = <i>Paphia alapapilionea</i> Röding ⁵⁶	Rushikulya estuary ²⁹ , Talsari ³¹
Genus <i>Placamen</i> Iredale, 1925	
422. <i>Placamen lamellatum</i> (Röding, 1798) = <i>Batissa calophylla</i> (Philippi, 1836) ⁵⁶	Paradip, Khiragachha Madeli ¹⁷ , Mahanadi estuary ²⁰
Genus <i>Protapes</i> Dall, 1902	
423. <i>Protapes gallus</i> (Gmelin, 1791) = <i>Paphia malabarica</i> (Schroeter) ⁷⁰	Chandipur, Puri ¹⁷ , Mahanadi estuary ²⁰ , Rushikulya estuary ²⁹ , Talsari ³¹
Genus <i>Paratapes</i> Stoliczka, 1870	
424. <i>Paratapes textilis</i> (Gmelin, 1791)	Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴
425. <i>Paratapes undulatus</i> (Born, 1778)	Chhatrapur ¹⁷ , Chilka Lake ¹⁸ , Mahanadi estuary ²⁰
Genus <i>Pelecycora</i> Dall, 1902	
426. <i>Pelecycora excisa</i> (Röding, 1798)	Chandbali, Paradip, Konark ¹⁷ , Mahanadi estuary ²⁰
427. <i>Pelecycora trigona</i> (Reeve, 1850)	Chandipur, Chhatrapur ¹⁷ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴ , Talsari ³¹
Genus <i>Pitar</i> Römer, 1857	
428. <i>Pitar alabastrum</i> (Reeve, 1863)	Off Gopalpur ¹⁷
Genus <i>Ruditapes</i> Chiamenti, 1900	
429. <i>Ruditapes bruguiera</i> (Hanley, 1845)	Mahanadi estuary ²⁰
Genus <i>Tapes</i> Megerle von Mühlfeld, 1811	
430. <i>Tapes belcheri</i> G.B. Sowerby II, 1852	Talsari ³¹
Genus <i>Sunetta</i> Link, 1807	
431. <i>Sunetta donacina</i> (Gmelin, 1791)	Chilka Lake ¹⁸ , Rushikulya estuary ¹⁹ , Mahanadi estuary ²⁰
432. <i>Sunetta effosa</i> (Hanley, 1843)	Puri, Gopalpur, Rushikulya ¹⁹ and Bahuda estuary ^{17,23} , Mahanadi estuary ²⁰
433. <i>Sunetta excavata</i> (Hanley, 1843)	Chandipur ¹⁷
434. <i>Sunetta meroe</i> (Linnaeus, 1758) = <i>Meroe chilkaensis</i> Preston, 1914 ¹⁷	Entire coast of Odisha ^{11,17-20,29,31}
435. <i>Sunetta scripta</i> (Linnaeus, 1758) = <i>Meroe satparaensis</i> Preston, 1914 ¹⁷	Entire coast of Odisha ^{11,12,17-20,23,29,30,74}
436. <i>Sunetta solanderii</i> (Gray, 1825)	Gopalpur (Present collection)
Genus <i>Timoclea</i> T. Brown, 1827	
437. <i>Timoclea arakana</i> (G. Nevill & H.L. Nevill, 1871)	Paradip, Konark, Chhatrapur ¹⁷ , Mahanadi estuary ²⁰ , Talsari ³¹

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

438. <i>Timoclea imbricata</i> (G.B. Sowerby II, 1853)	Entire coast of Odisha ^{17,18-20,24,31}
439. <i>Timoclea scabra</i> Habe, 1964 Genus <i>Tivela</i> Link, 1807	Puri ¹⁷ , Chilka Lake ¹⁸
440. <i>Tivela dillwyni</i> (Deshayes, 1853) Subfamily CLEMENTIINAE Frizzell, 1936 Genus <i>Clementia</i> Gray, 1842	Chilka Lake ^{12,17,18}
441. <i>Clementia papyracea</i> (Gmelin, 1791) = <i>Clementia annandalei</i> Preston, 1914 ⁵⁶	Chilka Lake ^{11,12,74}
442. <i>Clementia vatheleti</i> Mabilie, 1901 Order MYIDA STOLICZKA, 1870 Super family MYOIDEA Lamarck, 1809 Family MYIDAE Lamarck, 1809 Genus <i>Sphenia</i> Turton, 1822	Chilka Lake ^{17, 18}
443. <i>Sphenia persversa</i> Blanford, 1867* Family CORBULIDAE Lamarck, 1818 Genus <i>Corbula</i> Bruguière, 1797	Subarnarekha estuary (Present collection)
444. <i>Corbula rotalis</i> Hinds, 1843 Genus <i>Potamocorbula</i> Habe, 1955	Puri, Off Devi river mouth ¹⁷ , Mahanadi estuary ²⁰
445. <i>Potamocorbula abbreviata</i> (Preston, 1907)* Super family PHOLADOIDEA Lamarck, 1809 Family PHOLADIDAE Lamarck, 1809 Genus <i>Barnea</i> Risso, 1826	Paradip (Present collection)
446. <i>Barnea candida</i> (Linnaeus, 1758)	Chnadipur ¹⁷ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴ , Talsari ³¹
447. <i>Barnea manilensis</i> (Philippi, 1847) = <i>Martesia delicatula</i> Preston, 1910 ⁵⁸ Genus <i>Martesia</i> G.B. Sowerby I, 1824	Devi river mouth ¹⁷ , Mahanadi estuary ²⁰
448. <i>Martesia fragilis</i> Verrill & Bush, 1898	Subarnarekha estuary ²⁴
449. <i>Martesia striata</i> (Linnaeus, 1758) Genus <i>Pholas</i> Linnaeus, 1758	Chilka Lake ^{11,17,18,26} , Khira Gachha Madeli ¹⁷ , Mahanadi estuary ²⁰
450. <i>Pholas orientalis</i> Gmelin, 1791 Family TEREDINIDAE Rafinesque, 1815 Sub family BANKIINAE Turner, 1966 Genus <i>Bankia</i> Gray, 1842	Chandipur ¹⁷ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴ , Talsari ³¹
451. <i>Bankia brevis</i> (Deshayes, 1863)	Chilka Lake ²⁶
452. <i>Bankia campanellata</i> Moll & Roch, 1931	Khira Gachha Madeli, Lions Rump ¹⁷ , Mahanadi estuary ²⁰
453. <i>Bankia carinata</i> (J.E.Grey, 1827) = <i>Xylotrya stutchburyi</i> Sowerby ⁷¹	Chilka Lake ¹² , Khira Gachha Madeli ¹⁷ , Mahanadi estuary ²⁰
454. <i>Bankia fimbriatula</i> Moll. and Roch, 1931	Paradip ¹⁷ , Mahanadi estuary ²⁰
455. <i>Bankia nordi</i> Moll, 1935*	Talsari (Present collection)
456. <i>Bankia rochi</i> Moll, 1931 Genus <i>Nausitora</i> Wright, 1864	Khira Gachha Madeli, Paradip ¹⁷ , Mahanadi estuary ²⁰
457. <i>Nausitora dunlopei</i> Wright, 1864	Khira Gachha Madeli, Paradip ¹⁷ , Mahanadi estuary ²⁰
458. <i>Nausitora fusticulus</i> (Jeffreys, 1860)	Light House, False Point ¹⁷ , Mahanadi estuary ²⁰
459. <i>Nausitora hedleyi</i> Schepman, 1919 Genus <i>Nototeredo</i> Bartsch, 1923	Hukitola ¹⁷ , Mahanadi estuary ²⁰
460. <i>Nototeredo knoxi</i> (Bartsch, 1917) Sub family TEREDININAE Rafinesque, 1815 Genus <i>Bactronophorus</i> Tapparone Canefri, 1877	Paradip ¹⁷ , Mahanadi estuary ²⁰
461. <i>Bactronophorus thoracites</i> (Gould, 1856) Genus <i>Dicyathifer</i> Iredale, 1932	Khira Gachha Madeli ¹⁷ , Mahanadi estuary ²⁰ , Subarnarekha estuary ²⁴
462. <i>Dicyathifer mannii</i> (Wright, 1866) Genus <i>Lyrodus</i> Gould, 1870	Khira Gachha Madeli, Paradip ¹⁷ , Mahanadi estuary ²⁰
463. <i>Lyrodus pedicellatus</i> (Quatrefages, 1849) Genus <i>Teredora</i> Bartsch, 1921	Khira Gachha Madeli, Lions Rump ¹⁷ , Mahanadi estuary ²⁰
464. <i>Teredora princisae</i> (Sivickis, 1928) Super family SOLENOIDEA Lamarck, 1809 FAMILY SOLENIDAE Lamarck, 1809 Genus <i>Solen</i> Linnaeus, 1758	Khira Gachha Madeli ¹⁷ , Mahanadi estuary ²⁰

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (Contd.)

465. <i>Solen annandalei</i> Preston, 1915	Chilka Lake ^{12,17,18,74} , Chandipur, Talsari, Puri ¹⁷ , Mahanadi estuary ²⁰
466. <i>Solen brevis</i> Hanley, 1842	Subarnarekha estuary ²⁴
467. <i>Solen graveleyi</i> Ghosh, 1920	Chandipur ¹⁷
468. <i>Solen kemp</i> Preston, 1915	Chilka Lake ^{12,17,18} , Chandipur, Balramgudi ¹⁷ , Mahanadi estuary ²⁰
469. <i>Solen truncatus</i> Philippi, 1843	Chilka Lake ¹¹ , Chandipur ¹⁷ , Rushikulya estuary ¹⁹
Genus <i>Neosolen</i> Ghosh, 1920	
470. <i>Neosolen aquaedulcoris</i> (Ghosh, 1920)	Chilka Lake ^{17,18}
Family PHARIDAE H. Adams & A. Adams, 1856	
Genus <i>Pharella</i> Gray, 1854	
471. <i>Pharella acutidens</i> (Broderip & Sowerby, 1829)*	Talsari (Present collection)
472. <i>Pharella javanica</i> (Lamarck, 1818)	Subarnarekha mouth ^{17,24}
Genus <i>Siliqua</i> Megerle von Mühlfeld, 1811	
473. <i>Siliqua albida</i> (Adams & Reeve, 1850)	Chandipur ¹⁷ , Subarnarekha mouth ²⁴
474. <i>Siliqua fasciata</i> (Spengler, 1794)	Chandipur ¹⁷
475. <i>Siliqua radiata</i> (Linnaeus, 1758)	Entire coast of Odisha ^{17,18,20,23,24,29,30}
Genus <i>Neosiliqua</i> Habe, 1965	
476. <i>Neosiliqua winteriana</i> (Dunker, 1853)*	Talsari (Present collection)
Genus <i>Cultellus</i> Schumacher, 1817	
477. <i>Cultellus maximus</i> (Gmelin, 1791)*	Subarnarekha estuary (Present collection)
478. <i>Cultellus scalprum</i> (Gould, 1851) = <i>C. subellipticus</i> Dunker, 1862 ⁷²	Chilka Lake ¹⁸
Order PHOLADOMYOIDA Newell, 1965	
Super family PANDOROIDEA Rafinesque, 1815	
Family PANDORIDAE Rafinesque, 1815	
Genus <i>Pandora</i> Bruguière, 1797	
479. <i>Pandora brevifrons</i> G.B. Sowerby I, 1835	Puri, Off Devi river ¹⁷ , Mahanadi estuary ²⁰
Super family THRACIOIDEA Stoliczka, 1870 (1839)	
Family LATERNULIDAE Hedley, 1918 (1840)	
Genus <i>Laternula</i> Röding, 1798	
480. <i>Laternula anatina</i> (Linnaeus, 1758)	Talsari ³¹
481. <i>Laternula navicula</i> (Reeve, 1863) = <i>Lyonsia samalinsulae</i> Preston, 1914; <i>Anatina granulosa</i> Preston, 1914; <i>A. barakulensis</i> Preston, 1915; <i>A. barakudaensis</i> Preston, 1915 ⁵⁶	Chilka Lake ^{11,12,17,18,20}
482. <i>Laternula truncata</i> (Lamarck, 1818)	Talsari ¹⁷ , Subarnarekha estuary ²⁴
Super family CUSPIDARIOIDEA Dall, 1886	
Family CUSPIDARIIDAE Dall, 1886	
Genus <i>Cuspidaria</i> Nardo, 1840	
483. <i>Cuspidaria annandalei</i> Preston, 1915	Chilka Lake ^{12,17}
484. <i>Cuspidaria chilensis</i> Dall, 1890	Chilka Lake ^{17,18}
Order UNCERTAIN	
Super family GASTROCHAENOIDEA Gray 1840	
Family GASTROCHAENIDAE Gray 1840	
Genus <i>Gastrochaena</i> Spengler, 1783	
485. <i>Gastrochaena indistincta</i> Deshayes	Ganjam coast ¹⁷
Class CEPHALOPODA	
Sub class NAUTILOIDEA	
Order NAUTILIDA	
Family NAUTILIDAE Blainville, 1825	
Genus <i>Nautilus</i> Linnaeus, 1758	
486. <i>Nautilus pompilius</i> Linnaeus, 1758	Rushikulya estuary ²³
Order SEPIIDA	
Family SEPIIDAE Keferstein, 1866	
Genus <i>Sepia</i> Linnaeus, 1758	
487. <i>Sepia aculeata</i> Van Hasselt [in Férussac & d'Orbigny], 1835	Balaswar Bay ¹⁷
488. <i>Sepia officinalis</i> Linnaeus, 1758	Gopalpur ²³
489. <i>Sepia pharaonis</i> Ehrenberg, 1831	Gopalpur ¹⁷
Genus <i>Sepiella</i> Gray, 1849	

(Contd.)

Table 1 — Checklist of marine and estuarine mollusc of Odisha coast. (*Contd.*)

490. <i>Sepiella inermis</i> (Van Hasselt [in Férussac & d'Orbigny] 1835) Order MYOPSIDA Family LOLLIGINIDAE Lesueur, 1821 Genus <i>Loliolus</i> (<i>Loliolus</i>) Steenstrup, 1856	Entire Odisha coast ^{17,20}
491. <i>Loliolus</i> (<i>Loliolus</i>) <i>hardwickei</i> (Gray, 1849) = <i>Loliolus investigatoris</i> Goodrich ⁷³	Gopalpur, Puri, Paradip ¹⁷ , Mahanadi estuary ²⁰
492. <i>Loligo forbesii</i> Steenstrup, 1856 Genus <i>Uroteuthis</i> Rehder, 1945	Gopalpur ²³
493. <i>Uroteuthis duvaucelii</i> (d'Orbigny [in Férussac & d'Orbigny], 1835) = <i>Loligo duvaucelii</i> d'Orbigny ³⁶ Order OCTOPODA Super family OCTOPODOIDEA d'Orbigny, 1840 Family OCTOPODIDAE d'Orbigny, 1840 Genus <i>Octopus</i> Cuvier, 1798	Gopalpur, Puri, Paradip ¹⁷ , Mahanadi estuary ²⁰
494. <i>Octopus globosus</i> Appellöf, 1886	Gopalpur ¹⁷
495. <i>Octopus rugosus</i> Bosc, 1792	Reported in literature only ¹⁷
496. <i>Octopus vulgaris</i> Cuvier, 1797	Rushikulya estuary ²³

(11 species), polyplacophora and scaphopoda having one species each. And 43 species i.e. *Nerita insculpta* Recluz, 1841, *N. planospira* Anton, 1838, *N. undata* Gmelin, 1791, *N. undulata* Gmelin, 1791, *Neritina auriculata* Lamarck, 1816, *Pseudonerita obtusa* (Sowerby, 1841), *Erronea erronea* (Linnaeus, 1758), *Monetaria annulus* (Linnaeus, 1758), *Littoraria cingulifera* (Dunker, 1845), *Nodilittorina quadricincta* (Muhlfeldt, 1824), *Polinices peselephanti* (Link, 1807), *Iravadia funerea* Preston, 1916, *Laevistrombus canarium* (Linnaeus, 1758), *Epitonium latifasciatum* (Sowerby II, 1874), *Nassarius nodifer* (Powys, 1835), *Hemifusus ternatanus* (Gmelin, 1791), *Chicoreus ramosus* (Linnaeus, 1758), *Cronia konkanensis* (Melville, 1893), *Purpura panama* (Röding, 1798), *Babylonea zeylanica* (Bruguère, 1789), *Harpulina lapponica* (Linnaeus, 1767), *Conus bayani* Jousseau, 1872, *Conus coromandelicus* E.A. Smith, 1894, *Melampus pulchella* (Petit, 1842), *Onchidium tigrinum* Stoliczka, 1869, *Choromytilus chorus* (Molina, 1782), *Modiolus metcalfei* Hanely, 1843, *Modiolus modulaides* (Röding, 1798), *Anadara pilula* (Reeve, 1843), *Tegillarca nodifera* (Martens, 1860), *Pinna bicolor* Gmelin, 1791, *Crassostrea gigas* (Thunberg, 1793), *Anomia ephippium* Linnaeus, 1758, *Cardita senegalensis* Reeve, 1843, *Fulvia australis* (G.B. Sowerby II, 1834), *Lunulicardia retusa* (Linnaeus, 1767), *Dosinia areolata* Römer, 1870, *Sphenia persversa* Blanford, 1867, *Potamocorbula abbreviata* (Preston, 1907), *Bankia nordi* Moll, 1935, *Pharella acutidens* (Broderip & Sowerby, 1829), *Neosiliqua winteriana* (Dunker, 1853) and *Cultellus maximus* (Gmelin, 1791) are recorded for the first time from different localities of Odisha coast (marked with asteriks * in Table. 1) during the study.

Discussion

The present paper focus on the checklist of mollusc including Polyplacophora, Gastropoda, Scaphopoda, Bivalve and Cephalopoda which are inhabiting the marine and estuarine waters of Odisha coast. The eighteen freshwater species i.e. *Neritina auriculata* Lamarck, 1816, *N. violacea* (Gmelin, 1791), *Neritina smithi* Wood, 1828 (family Neritidae), *Pila globosa* Swainson, 1822 (family Ampullariidae), *Bellamyia bengalensis* (Lamarck, 1822), *B. Dissimilis* (Muller, 1774) (family Viviparidae), *Stenothyra blanfordiana* Nevill, 1880, *S. deltae* (Benson, 1836), *S. minima* (G.B. Sowerby I, 1837) (family Stenothyridae), *Iravadia ornate* Blanford, 1867, *I. Funereal* Preston, 1916 (family Iravadiidae), *Thiara lineata* Gray, 1828, *T. granifera* (Lamarck, 1822), *T. scabra* (O.F. Müller, 1774), *T. torulosa* (Bruguère, 1789), *T. tuberculata* (O.F. Müller, 1774) (family Thiariidae) and bivalve species like *Polymesoda bengalensis* (Lamarck, 1818) and *Corbicula stratela* Deshayes, 1854 (family Cyrenidae) are included in this list, though these species are sometime inhabiting the estuarine brackish water. The incidence of freshwater mollusc found in estuarine habitat happens as estuarine waters became low salinity during monsoon, and the Odisha coast having Chilka lagoon and Mahanadi and other estuaries; hence some freshwater species are available in this coast. The effort is given to get rid of the synonyms and the valid names are enlisted and synonyms are given along with reference for particular species.

Conclusion

This is an updated checklist of marine and estuarine molluscs of Odisha coast consisting of 496

species belonging to 261 genera, 124 families and 33 orders under five classes and A total of 43 species are reported first time from Odisha coast. Present report also includes eighteen freshwater species, as these are some time inhabits the estuarine water. This checklist is prepared on basis of recent surveys and past literature available at library, museum and internet sources.

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