



JULY 2025
ONLINE VERSION 2.0

ZOOLOGICAL SURVEY OF INDIA

Ministry of Environment, Forest & Climate Change

CNIDARIA: ANTHOZOA: OCTOCORALLIA

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DOI : <https://doi.org/10.26515/Fauna/2/2025/Cnidaria:Anthozoa:Octocorallia>

Key words: Soft corals, Sea fans, Sea Pen, Blue coral, Horny corals.

Citation: Raghunathan, C. and Yogesh Kumar, J.S. (2025). Fauna of India Checklist: Cnidaria: Anthozoa: Octocorallia. Version 2.0. Zoological Survey of India. DOI: <https://doi.org/10.26515/Fauna/2/2025/Cnidaria:Anthozoa:Octocorallia>

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FAUNA OF INDIA CHECKLIST



CNIDARIA: ANTHOZOA: OCTOCORALLIA

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Introduction: Octocorals, also known as alcyonarians, belong to the class Octocorallia, within the subphylum Anthozoa of the phylum Cnidaria. These organisms are exclusively marine, benthic, and sessile, and are characterized by colonies composed of polyps exhibiting eight-fold radial symmetry. Although they resemble stony corals in general morphology and polyp size, octocorals are distinguished by the absence of a rigid calcium carbonate exoskeleton and by their distinctive polyp symmetry. In most octocorals, structural support is provided by microscopic skeletal elements called sclerites, composed of calcium carbonate and embedded within the mesoglea, which contribute to the rigidity and growth of the colony. Each polyp possesses eight pinnate

tentacles and eight mesenteries, consistent with the defining features of Octocorallia. Like all cnidarians, octocorals exhibit a complex life cycle that includes a motile, planktonic larval stage, followed by a sessile adult stage, during which they become permanently attached to the substrate.

Global diversity: The order encompasses 3608 described species in three orders viz., Malacalcyonacea, Scleralcyonacea, and Octocorallia *inserte sedis*.

Diversity in India: In India, 397 species belonging to 93 genera and 38 families in three orders are recorded.

Diversity in States

Table 1: Diversity of octocorals along the coasts of India

Sl. No.	State / Union Territory	No. of Species
1.	Andhra Pradesh	13
2.	Gujarat	15
3.	Goa	1
4.	Karnataka	2
5.	Kerala	17
6.	Maharashtra	8
7.	Odisha	28
8.	Tamil Nadu	140
9.	West Bengal	7
10.	Andaman & Nicobar	272
11.	Lakshadweep	38
12.	Puducherry	14
	TOTAL	397



Endemism: No endemism has been reported.

Habitat: They are found in intertidal region to shallow subtidal region and few are at abyssal depths. They distributed in variety environments marine, brackish waters, hard substratum like coral reefs, dead corals, rocks, jetty and ship hulls, and soft substratum such as mud and sandy regions.

Ecological Significance: Coral reefs are providing home to all marine organisms, so the competitions among for living space are could be possible. Octocorals are one of the major benthic communities like scleractinian corals in reef ecosystem. They produces allelopathic substances to defending mechanism from other competitors. Many shallow water soft corals symbiosis with the dinoflagellate microalgae called zooxanthellae and zooxanthellae algae utilize the sunlight, carbon dioxide, water from environments and nutrients from intake water to produce sugars and other cellular matter. Most of coral reef animals such as reef fishes, crabs, shrimps, sea cucumbers, brittle stars, sea anemones, sponges, molluscs, copepods and seaweeds are associates with octocorals. The species *Heliopora coerulea* is unique among octocorals as the only known member to form a massive, lobed, crystalline calcareous skeleton, making it an exception within the group.

Human Significance: Octocorals have the potent bioactive compounds which possess antimicrobial, anti-viral, anthelmintic, anti-coagulant, anti-spasmodic, antidepressant, antihypertensive, bronchodilators and anti-leukemic substances useful for pharmaceutical

industries. As an ornamental organism in marine aquariums at public, home and private places. These animals are considered directly or indirectly measure the health of coral reef ecosystem.

Threatened species: Species from India are not assessed for IUCN threat categories.

Protected Species as per WPA (2022): A total of 314 species are categorized under Schedule-I of Wildlife Protection Act (2022).

Species under CITES: Two species such as *Tubipora musica* Linnaeus, 1758 and *Heliopora coerulea* (Pallas, 1766) listed under appendix II of CITES.

Invasive alien species: One species of Octocoral, *Carijoa riisei* (Duchassaing & Michelotti, 1860) is reported to be invasive in Indian waters.

Gap areas: Octocorals, alongside scleractinian corals, are among the major reef-building cnidarians, yet they remain one of the most challenging groups to identify. In Indian waters, taxonomic and ecological studies on octocorals are notably limited. Currently, only a few taxonomists are actively involved in the collection and description of octocoral species in the region. There is a pressing need for increased research efforts, with more taxonomists and ecologists required to systematically study and develop a comprehensive database of octocorals from Indian marine ecosystems.

Systematic list: Species list cited below (Table 2)

Sl. No.	Species
1.	<i>Klyxum flaccidum</i> (Tixier-Durivault, 1966)
2.	<i>Cladiella australis</i> (Macfayen, 1936)
3.	<i>Cladiella krempfi</i> (Hickson, 1919)



Sl. No.	Species
4.	<i>Cladiella laciniosa</i> (Tixier- Durivault, 1944)
5.	<i>Cladiella pachyclados</i> Klunzinger, 1817
6.	<i>Aldersladum nana</i> (Hickson, 1931)
7.	<i>Lobophytum altum</i> Tixier- Durivault, 1956
8.	<i>Lobophytum andamanensis</i> Rajendra & Raghunathan, 2024
9.	<i>Lobophytum batarum</i> Moser, 1919
10.	<i>Lobophytum catalai</i> Tixier-Durivault, 1967
11.	<i>Lobophytum compactum</i> Tixier-Durivault, 1958
12.	<i>Lobophytum crassum</i> Von Marenzeller, 1886
13.	<i>Lobophytum crebriplicatum</i> Von Marenzeller, 1886
14.	<i>Lobophytum durum</i> Tixier-Durivault, 1956
15.	<i>Lobophytum hirsutum</i> Tixier-Durivault, 1956
16.	<i>Lobophytum irregulare</i> Tixier-Durivault, 1970
17.	<i>Lobophytum latilobatum</i> Verseveldt, 1957
18.	<i>Lobophytum pauciflorum</i> (Ehrenberg, 1834)
19.	<i>Lobophytum planum</i> Tixier-Durivault, 1970
20.	<i>Lobophytum patulum</i> Tixier-Durivault, 1956
21.	<i>Lobophytum pusillum</i> Tixier- Durivault, 1970
22.	<i>Lobophytum ransoni</i> Tixier – Durivault, 1957
23.	<i>Lobophytum rotundum</i> Tixier – Durivault, 1957
24.	<i>Lobophytum sarcophytoides</i> Moser, 1919
25.	<i>Lobophytum schoedei</i> Moser, 1919
26.	<i>Lobophytum solidum</i> Tixier-Durivault, 1970
27.	<i>Lobophytum strictum</i> Tixier-Durivault, 1957
28.	<i>Lobophytum tecticum</i> Alderslade & Shirwaiker, 1991
29.	<i>Lobophytum varium</i> Tixier- Durivault, 1970
30.	<i>Lobophytum variatum</i> Tixier- Durivault, 1957
31.	<i>Lobophytum venustum</i> Tixier-Durivault, 1957
32.	<i>Sarcophyton boettgeri</i> Schenk, 1896
33.	<i>Sarcophyton boletiforme</i> Tixier- Durivault, 1958
34.	<i>Sarcophyton buitendijki</i> Verseveldt, 1982
35.	<i>Sarcophyton cherbonnieri</i> Tixier- Durivault, 1958
36.	<i>Sarcophyton cinereum</i> Tixier- Durivault, 1946
37.	<i>Sarcophyton cornispiculatum</i> Verseveldt, 1971
38.	<i>Sarcophyton crassocaule</i> Moser, 1919
39.	<i>Sarcophyton crassum</i> Tixier- Durivault, 1946
40.	<i>Sarcophyton digitatum</i> Moser, 1919
41.	<i>Sarcophyton ehrenbergi</i> (von Marenzeller, 1886)
42.	<i>Sarcophyton elegans</i> Moser, 1919
43.	<i>Sarcophyton glaucum</i> (Quoy & Gaimard, 1833)
44.	<i>Sarcophyton infundibuliforme</i> Tixier-Durivault, 1958



Sl. No.	Species
45.	<i>Sarcophyton latum</i> (Dana, 1846)
46.	<i>Sarcophyton roseum</i> Pratt, 1903
47.	<i>Sarcophyton serenei</i> Tixier- Durivault, 1958
48.	<i>Sarcophyton spinospiculatum</i> Alderslade and Shirwaiker, 1991
49.	<i>Sarcophyton stellatum</i> Kukenthal, 1910
50.	<i>Sarcophyton subviride</i> Tixier-Durivault, 1958
51.	<i>Sarcophyton tortuosum</i> Tixier-Durivault,
52.	<i>Sarcophyton turschi</i> Verseveldt, 1979
53.	<i>Sarcophyton trocheliophorum</i> Von Marenzeller, 1886
54.	<i>Sclerophytum abhishiktae</i> van Ofwegen and Vennam, 1991
55.	<i>Sclerophytum abruptum</i> (Tixier- Durivault, 1970)
56.	<i>Sclerophytum andamanense</i> Thomson & Simpson, 1909
57.	<i>Sclerophytum ceramense</i> (Verseveldt, 1977)
58.	<i>Sclerophytum capitale</i> Pratt, 1903
59.	<i>Sclerophytum confertum</i> (Dana, 1846)
60.	<i>Sclerophytum cristatum</i> (Tixier-Durivault, 1970)
61.	<i>Sclerophytum compactum</i> (Tixier-Durivault, 1970)
62.	<i>Sclerophytum densum</i> (Whitelegge, 1897)
63.	<i>Sclerophytum depressum</i> (Tixier- Durivault, 1970)
64.	<i>Sclerophytum dissectum</i> (Tixier- Durivault, 1945)
65.	<i>Sclerophytum elongatum</i> (Tixier- Durivault, 1970)
66.	<i>Sclerophytum erectum</i> (Tixier-Durivault, 1945)
67.	<i>Sclerophytum exile</i> (Tixier-Durivault, 1970)
68.	<i>Sclerophytum facile</i> (Tixier- Durivault, 1970)
69.	<i>Sclerophytum flexibile</i> (Quoy & Gaimard, 1833)
70.	<i>Sclerophytum gaveshaniae</i> (Alderslade and Shirwaiker, 1991)
71.	<i>Sclerophytum gaweli</i> (Verseveldt, 1978)
72.	<i>Sclerophytum gibberosum</i> (Tixier- Durivault, 1970)
73.	<i>Sclerophytum grandilobatum</i> (Verseveldt, 1970)
74.	<i>Sclerophytum granosum</i> (Tixier- Durivault, 1970)
75.	<i>Sclerophytum gravis</i> (Tixier- Durivault, 1970)
76.	<i>Sclerophytum hirtum</i> Pratt, 1903
77.	<i>Sclerophytum inelegans</i> (Tixier- Durivault, 1970)
78.	<i>Sclerophytum molestum</i> (Tixier-Durivault, 1970)
79.	<i>Sclerophytum jasmineae</i> (Alderslade & Shirwaiker, 1991)
80.	<i>Sclerophytum kavarrattense</i> (Alderslade & Shirwaiker, 1991)
81.	<i>Sclerophytum leptoclados</i> (Ehrenberg, 1834)
82.	<i>Sclerophytum lochmodes</i> (Kolonko, 1926)
83.	<i>Sclerophytum manaarensense</i> (Verseveldt, 1980)
84.	<i>Sclerophytum maximum</i> (Verseveldt, 1971)
85.	<i>Sclerophytum microclavatum</i> (Tixier-Durivault, 1970)



Sl. No.	Species
86.	<i>Sclerophytum murale</i> (May, 1899)
87.	<i>Sclerophytum numerosum</i> (Tixier- Durivault, 1970)
88.	<i>Sclerophytum ornatum</i> (Tixier- Durivault, 1970)
89.	<i>Sclerophytum ovispiculatum</i> (Tixier- Durivault, 1970)
90.	<i>Sclerophytum parulekari</i> (Alderslade & Schirwaiker, 1991)
91.	<i>Sclerophytum peculiare</i> (Tixier-Durivault, 1970)
92.	<i>Sclerophytum pocilloporaeforme</i> (Aldersladum, 1983)
93.	<i>Sclerophytum polydactylum</i> (Ehrenberg, 1834)
94.	<i>Sclerophytum querciforme</i> Pratt, 1903
95.	<i>Sclerophytum rigidum</i> (Dana, 1846)
96.	<i>Sclerophytum sandense</i> (Verseveldt, 1977)
97.	<i>Sclerophytum triangulum</i> (Tixier-Durivault, 1970)
98.	<i>Sclerophytum variabile</i> (Tixier- Durivault, 1945)
99.	<i>Sclerophytum vrijmoethi</i> (Verseveldt, 1971)
100.	<i>Sclerophytum whiteleggei</i> (Lüttschwager, 1914)
101.	<i>Sinularia brassica</i> May, 1898
102.	<i>Capnella parva</i> Light, 1913
103.	<i>Studeriotis mirabilis</i> (Thomson, 1908)
104.	<i>Dendronephthya albogilva</i> Henderson, 1909
105.	<i>Dendronephthya aurora</i> (Ridley, 1887)
106.	<i>Dendronephthya andamanensis</i> Henderson, 1909
107.	<i>Dendronephthya arbuscula</i> Henderson, 1909
108.	<i>Dendronephthya biformata</i> (Harrison, 1908)
109.	<i>Dendraonephtha booleyi</i> Henderson, 1909
110.	<i>Dendronephthya brachycaulos</i> Henderson, 1909
111.	<i>Dendronephthya brevirama</i> (Burchardt, 1898)
112.	<i>Dendronephthya cervicornis</i> (Wright & Studer, 1889)
113.	<i>Dendronephthya cocosiensis</i> Henderson, 1909
114.	<i>Dendronephthya conica</i> Henderson, 1909
115.	<i>Dendronephthya costatorubra</i> Henderson, 1909
116.	<i>Dendronephthya delicatissima</i> Henderson, 1909
117.	<i>Dendronephthya dendrophyta</i> (Wright & Studer, 1889)
118.	<i>Dendronephthya dichotoma</i> Henderson, 1909
119.	<i>Dendronephthya divaricata</i> (Gray, 1862)
120.	<i>Dendronephthya elegans</i> (Harrison, 1908)
121.	<i>Dendronephthya elongata</i> Henderson, 1909
122.	<i>Dendronephthya foliata</i> Henderson, 1909
123.	<i>Dendronephthya ganjamensis</i> Henderson, 1909
124.	<i>Dendronephthya gilva</i> Henderson, 1909
125.	<i>Dendronephthya harrisoni</i> Henderson, 1909
126.	<i>Dendronephthya hemprichi</i> (Klunzinger, 1877)



Sl. No.	Species
127.	<i>Dendronephthya irregularis</i> Henderson, 1909
128.	<i>Dendronephthya koellikeri</i> Kükenthal, 1905
129.	<i>Dendronephthya lanxifera</i> Holm, 1895
130.	<i>Dendronephthya longispina</i> Henderson, 1909
131.	<i>Dendronephthya macrocaulis</i> Henderson, 1909
132.	<i>Dendronephthya masoni</i> Henderson, 1909
133.	<i>Dendronephthya microspiculata</i> (Pütter, 1900)
134.	<i>Dendronephthya mirabilis</i> Henderson, 1909
135.	<i>Dendronephthya multispinosa</i> Henderson, 1909
136.	<i>Dendronephthya nicobarensis</i> Henderson, 1909
137.	<i>Dendraonephthya obtusa</i> Henderson, 1909
138.	<i>Dendronephthya ochracea</i> Henderson, 1909
139.	<i>Dendronephthya orientalis</i> Henderson, 1909
140.	<i>Dendronephthya ovata</i> Henderson, 1909
141.	<i>Dendronephthya pallida</i> Henderson, 1909
142.	<i>Dendronephthya pellucida</i> Henderson, 1909
143.	<i>Dendronephthya pentagona</i> Henderson, 1909
144.	<i>Dendronephthya purpurea</i> (Thomson & Henderson, 1905)
145.	<i>Dendronephthya quadrata</i> Henderson, 1909
146.	<i>Dendronephthya rubeola</i> Henderson, 1909
147.	<i>Dendronephthya rubescens</i> (Harrison, 1908)
148.	<i>Dendronephthya thomsoni</i> (Harrison, 1908)
149.	<i>Dendronephthya thuja</i> Henderson, 1909
150.	<i>Dendronephthya uliginosa</i> (Thomson & Henderson, 1906)
151.	<i>Dendronephthya variata</i> Henderson, 1909
152.	<i>Dendronephthya varicolor</i> Henderson, 1909
153.	<i>Chromonephthea glomerata</i> (Thompson & Henderson, 1909)
154.	<i>Umbellulifera striata</i> (Thompson & Henderson, 1905)
155.	<i>Nephtyigorgia annectens</i> (Thomson & Simpson, 1909)
156.	<i>Stereonephthya armata</i> (Thomson & Henderson, 1906)
157.	<i>Siphonogorgia asperula</i> Thomson & Simpson, 1909
158.	<i>Siphonogorgia duriuscula</i> Thomson & Simpson, 1909
159.	<i>Siphonogorgia media</i> Thompson & Henderson, 1909
160.	<i>Siphonogorgia mirabilis</i> Klunzinger, 1877
161.	<i>Siphonogorgia palmata</i> Thomson & Simpson, 1909
162.	<i>Siphonogorgia rotunda</i> Harrison, 1908
163.	<i>Siphonogorgia variabilis</i> (Hickson, 1903)
164.	<i>Nidalia alciformis</i> (Simpson, 1907)
165.	<i>Nidalia celosioides</i> (Simpson, 1907)
166.	<i>Nidalia expansa</i> (Simpson, 1907)
167.	<i>Xenia ternatana</i> Schenk, 1896



Sl. No.	Species
168.	<i>Xenia umbellata</i> Lamarck, 1816
169.	<i>Tubipora musica</i> Linnaeus, 1758
170.	<i>Telesto arborea</i> Wright & Studer, 1889
171.	<i>Telesto rubra</i> Hickson, 1903
172.	<i>Clavularia decipiens</i> (Thomson & Henderson, 1906)
173.	<i>Clavularia granulorum</i> (Thomson & Henderson, 1906)
174.	<i>Clavularia incrustans</i> (Thomson & Henderson, 1906)
175.	<i>Clavularia indicum</i> (Thomson & Henderson, 1906)
176.	<i>Clavularia margaritiferae</i> Thomson & Henderson, 1905
177.	<i>Clavularia pulchrum</i> (Thomson & Henderson, 1906)
178.	<i>Clavularia tenue</i> (Thomson & Henderson, 1906)
179.	<i>Clavularia viridis</i> Quoy & Gaimard, 1833
180.	<i>Carijoa riisei</i> (Duchassaing & Michelotti, 1860)
181.	<i>Solenocaulon sterroklonium</i> Germanos, 1896
182.	<i>Solenocaulon tortuosum</i> Gray, 1862
183.	<i>Melithaea andamanensis</i> (van Ofwegen, 1987)
184.	<i>Melithaea biserialis</i> (Kükenthal, 1908)
185.	<i>Melithaea braueri</i> (Kükenthal, 1908)
186.	<i>Melithaea caledonica</i> Grasshoff, 1999
187.	<i>Melithaea cinquemiglia</i> (Grasshoff, 1999)
188.	<i>Melithaea hicksoni</i> (Nutting 1911)
189.	<i>Melithaea maldivensis</i> (van Ofwegen, 1987)
190.	<i>Melithaea ochracea</i> (Linnaeus, 1758)
191.	<i>Melithaea ornata</i> (Thomson and Simpson, 1909)
192.	<i>Melithaea ouvea</i> (Grasshoff, 1999)
193.	<i>Melithaea philippinensis</i> (Wright & Studer, 1889)
194.	<i>Melithaea rubeola</i> (Wright & Studer, 1889)
195.	<i>Melithaea squamata</i> (Nutting, 1911)
196.	<i>Melithaea variabilis</i> (Hickson, 1905)
197.	<i>Villogorgia ceylonensis</i> (Thomson and Simpson, 1905)
198.	<i>Villogorgia rubra</i> Hiles, 1899
199.	<i>Muriceides tenuis</i> (Nutting, 1908)
200.	<i>Calicogorgia tenuis</i> Thomson and Simpson, 1909
201.	<i>Echinogorgia andamanensis</i> (Thomson & Simpson, 1909)
202.	<i>Echinogorgia complexa</i> Nutting, 1910
203.	<i>Echinogorgia flabellum</i> (Pallas, 1766)
204.	<i>Echinogorgia intermedia</i> Studer, 1895
205.	<i>Echinogorgia macrospiculata</i> Thomson & Simpson, 1909
206.	<i>Echinogorgia multispinosa</i> Thomson & Henderson, 1905
207.	<i>Echinogorgia ramulosa</i> (Gray, 1870)
208.	<i>Echinogorgia reticulata</i> (Esper, 1791)



Sl. No.	Species
209.	<i>Echinogorgia toombo</i> Grasshoff, 1999
210.	<i>Echinomuricea andamanensis</i> Thomson and Simpson, 1909
211.	<i>Echinomuricea indomalaccensis</i> Ridley, 1884
212.	<i>Echinomuricea indica</i> Thomson & Simpson, 1909
213.	<i>Echinomuricea ochracea</i> Thomson & Simpson, 1909
214.	<i>Echinomuricea splendens</i> Thomson & Simpson, 1909
215.	<i>Echinomuricea uliginosa</i> Thomson & Simpson, 1909
216.	<i>Discogorgia campanulifera</i> (Nutting, 1910)
217.	<i>Trimuricea caledonica</i> Grasshoff, 1999
218.	<i>Trimuricea reticulata</i> (Thomson & Simpson, 1909)
219.	<i>Paracis ceylonensis</i> (Thomson & Henderson, 1905)
220.	<i>Paracis indica</i> (Thomson & Henderson, 1905)
221.	<i>Paracis rigida</i> (Thomson & Simpson, 1909)
222.	<i>Paracis spinosa</i> (Thomson & Henderson, 1906)
223.	<i>Neocis pustulata</i> (Wright & Studer, 1889)
224.	<i>Imbricacis squamata</i> (Nutting, 1910)
225.	<i>Villogorgia ceylonensis</i> (Thomson & Henderson, 1905)
226.	<i>Villogorgia rubra</i> Hiles, 1899
227.	<i>Muriceides tenuis</i> (Nutting, 1908)
228.	<i>Menacella gracilis</i> Thomson and Simpson, 1909
229.	<i>Muricella gracilis</i> Wright & Studer, 1889
230.	<i>Muricella nitida</i> (Verrill, 1868)
231.	<i>Muricella paraplectana</i> Grasshoff, 1999
232.	<i>Muricella ramosa</i> Thompson & Henderson, 1905
233.	<i>Paramuricea indica</i> Thomson & Henderson, 1906
234.	<i>Placogorgia indica</i> Thomson and Henderson, 1906
235.	<i>Placogorgia orientalis</i> Thomson and Henderson, 1906
236.	<i>Menella flora</i> (Nutting, 1910)
237.	<i>Menella indica</i> Gray, 1870
238.	<i>Menella indiensis</i> Ramvilas, Alderslade & Ranjeet, 2023
239.	<i>Menella kanisa</i> Grasshoff, 2000
240.	<i>Menella kouare</i> Grasshoff, 1999
241.	<i>Menella praelonga</i> (Ridley, 1884)
242.	<i>Menella woodin</i> Grasshoff, 1999
243.	<i>Bebryce indica</i> Thomson, 1905
244.	<i>Bebryce sirene</i> Grasshoff, 1999
245.	<i>Bebryce studeri</i> Whitelegge, 1897
246.	<i>Bebryce thomsoni</i> Nutting, 1910
247.	<i>Bebryce mollis</i> Philippi, 1842
248.	<i>Acanthogorgia breviflora</i> Whitelegge, 1897
249.	<i>Acanthogorgia ceylonensis</i> Thomson and Henderson, 1905



Sl. No.	Species
250.	<i>Acanthogorgia muricata</i> Verrill, 1883
251.	<i>Acanthogorgia armata</i> Verrill, 1878
252.	<i>Acanthogorgia spinosa</i> Hiles, 1899
253.	<i>Acanthogorgia turgida</i> Nutting, 1911
254.	<i>Anthogorgia glomerata</i> Thomson & Simpson, 1909
255.	<i>Anthogorgia ochracea</i> Grasshoff, 1999
256.	<i>Anthogorgia racemosa</i> Thomson and Simpson, 1909
257.	<i>Guaiaogorgia anas</i> Grasshoff and Alderslade, 1997
258.	<i>Astrogorgia arborea</i> (Thomson & Simpson, 1909)
259.	<i>Astrogorgia bengalensis</i> (Thomson & Henderson, 1905)
260.	<i>Astrogorgia complanata</i> (Wright & Studer, 1889)
261.	<i>Astrogorgia dubia</i> (Nutting, 1910)
262.	<i>Astrogorgia nagaiensis</i> Ramvilas, Alderslade & Ranjeet, 2023
263.	<i>Astrogorgia robusta</i> (Thomson & Simpson, 1909)
264.	<i>Astrogorgia rubra</i> (Thomson, 1905)
265.	<i>Astrogorgia sinensis</i> (Verrill, 1865)
266.	<i>Astrogorgia umbraticoides</i> (Studer, 1878)
267.	<i>Astrogorgia verrilli</i> (Thomson & Henderson, 1906)
268.	<i>Rumphella aggregata</i> (Nutting, 1910)
269.	<i>Rumphella antipathies</i> (Linnaeus, 1758)
270.	<i>Rumphella torta</i> (Klunzinger, 1877)
271.	<i>Hicksonella princeps</i> Nutting, 1910
272.	<i>Leptogorgia lutkeni</i> (Wright and studer, 1889)
273.	<i>Leptogorgia thomassini</i> (Tixier-Durivault, 1972)
274.	<i>Pseudopterogorgia australiensis</i> (Rideley, 1884)
275.	<i>Pseudopterogorgia formosa</i> (Nutting, 1910)
276.	<i>Pseudopterogorgia fredericki</i> Williams & Vennam, 2001
277.	<i>Pseudopterogorgia lutkeni</i> (Wright & Studer, 1889)
278.	<i>Pseudopterogorgia oppositipinna</i> (Ridley, 1888)
279.	<i>Pseudopterogorgia rubrotincta</i> (Thomson and Henderson, 1905)
280.	<i>Psammogorgia flabellum</i> (Pallas, 1766)
281.	<i>Eunicella filiformis</i> Studer, 1878
282.	<i>Eunicella verrucosa</i> (Pallas, 1766)
283.	<i>Euplexaura albida</i> Kükenthal, 1908
284.	<i>Euplexaura amerea</i> Grasshoff, 1999
285.	<i>Euplexaura ridleyi</i> (Thomson & Simpson, 1909)
286.	<i>Euplexaura rhipidalis</i> Studer, 1895
287.	<i>Euplexaura thomsoni</i> (Kükenthal, 1924)
288.	<i>Annella mollis</i> (Nutting, 1910)
289.	<i>Annella reticulata</i> (Ellis & Solander, 1786)
290.	<i>Subergorgia rubra</i> Thomson, 1905



Sl. No.	Species
291.	<i>Subergorgia suberosa</i> (Pallas, 1766)
292.	<i>Keroeides gracilis</i> Whitelegge, 1897
293.	<i>Keroeides koreni</i> Wright & Studer, 1889
294.	<i>Elasmogorgia flexilis</i> Hickson, 1905
295.	<i>Elasmogorgia filiformis</i> Wright and Studer, 1889
296.	<i>Pseudothenea flava</i> (Nutting, 1910)
297.	<i>Cornularia cornucopiae</i> (Pallas, 1766)
298.	<i>Briareum violaceum</i> (Quoy & Gaimard, 1833)
299.	<i>Parisis fruticosa</i> Verrill, 1864
300.	<i>Acanella robusta</i> Thomson & Henderson, 1906
301.	<i>Dokidisis krishanani</i> Periyasamy, Kurian, Ingole, 2023
302.	<i>Adinisis oblonga</i> Periyasamy, Kurian, Ingole, 2023
303.	<i>Keratoisis gracilis</i> (Thomson & Henderson, 1906)
304.	<i>Ellisella andamanensis</i> (Simpson, 1910)
305.	<i>Ellisella azilia</i> Grasshoff, 1999
306.	<i>Ellisella cercidia</i> Grasshoff, 1999
307.	<i>Ellisella ceylonensis</i> (Simpson, 1910)
308.	<i>Ellisella eustala</i> Grasshoff, 1999
309.	<i>Ellisella filiformis</i> (Toeplitz in Kükenthal, 1919)
310.	<i>Ellisella maculata</i> (Studer, 1878)
311.	<i>Ellisella marisrubri</i> (Stiasny, 1938)
312.	<i>Ellisella nuctenea</i> Grasshoff, 1999
313.	<i>Ellisella rubra</i> (Wright & Studer, 1889)
314.	<i>Dichotella gemmacea</i> (Milne Edwards & Haime, 1857)
315.	<i>Junceella delicata</i> Grasshoff, 1999
316.	<i>Junceella eunicelloides</i> Grasshoff, 1999
317.	<i>Junceella juncea</i> (Pallas, 1766)
318.	<i>Junceella vimen</i> Milne Edwards & Haime, 1857
319.	<i>Heliania racemosa</i> (Wright & Studer, 1889)
320.	<i>Heliania spinescens</i> (Gray, 1859)
321.	<i>Nicella carinata</i> Nutting, 1910
322.	<i>Nicella dichotoma</i> (Gray, 1860)
323.	<i>Nicella laxa</i> Whitelegge, 1897
324.	<i>Nicella magna</i> Grasshoff, 1999
325.	<i>Phenilia sanguinolenta</i> Gray, 1859
326.	<i>Viminella crassa</i> Grasshoff, 1999
327.	<i>Viminella juncelloides</i> (Stiasny, 1938)
328.	<i>Verrucella cerasina</i> (Grasshoff, 1999)
329.	<i>Verrucella corona</i> (Grasshoff, 1999)
330.	<i>Verrucella diadema</i> (Grasshoff, 1999)
331.	<i>Verrucella flexuosa</i> (Lamrack, 1815)



Sl. No.	Species
332.	<i>Verrucella gubalensis</i> Grasshoff, 2000
333.	<i>Verrucella klunzingeri</i> Grasshoff, 2000
334.	<i>Verrucella umbracula</i> (Ellis & Solander, 1786)
335.	<i>Verrucella umbella</i> (Esper, 1798)
336.	<i>Pterostenella plumatilis</i> (Milne Edwards & Haime, 1857)
337.	<i>Callogorgia indica</i> Versluys, 1906
338.	<i>Callogorgia versluysi</i> (Thomson, 1905)
339.	<i>Chrysogorgia dichotoma</i> Thomson & Henderson, 1906
340.	<i>Chrysogorgia flexilis</i> (Wright & Studer, 1889)
341.	<i>Virgularia andamanensis</i> Kükenthal, 1915
342.	<i>Virgularia densa</i> Tixier-Durivault, 1966
343.	<i>Virgularia gustaviana</i> (Herklots, 1863)
344.	<i>Virgularia juncea</i> Pallas, 1766
345.	<i>Virgularia mirabilis</i> (Müller, 1776)
346.	<i>Virgularia rumphii</i> Kolliker, 1870
347.	<i>Pteroeides nigrum</i> Kolliker, 1880
348.	<i>Pteroeides ilicifolium</i> Thompson and Simpson, 1909
349.	<i>Pteroeides intermedium</i> Thomson and Simpson, 1909
350.	<i>Pteroeides oblongum</i> Gray, 1860
351.	<i>Pteroeides robustum</i> Thomson and Simpson, 1909
352.	<i>Pteroeides macandrewi</i> Kölliker, 1872
353.	<i>Pteroeides andamanense</i> Thomson and Simpson, 1909
354.	<i>Pteroeides punctatum</i> Thomson and Simpson, 1909
355.	<i>Pteroeides crassum</i> Kolliker
356.	<i>Pteroeides hymenocaulon</i> Bleeker, 1859
357.	<i>Pteroeides triradiata</i> Thomson and Handerson, 1906
358.	<i>Pteroeides esperi</i> Herklots, 1858
359.	<i>Pteroeides esperi</i> Herklots, var. <i>Armatum</i> Thomson and Simpson, 1909
360.	<i>Crassophyllum cristatum</i> Tixier-Durivault, 1961
361.	<i>Sarcoptilus grandis</i> Gray, 1848
362.	<i>Sarcoptilus rigidus</i> Williams, 1995
363.	<i>Ptilosarcus undulatus</i> (Verrill, 1865)
364.	<i>Pennatula indica</i> Thomson & Handerson, 1906
365.	<i>Pennatula veneris</i> Thomson & Handerson, 1906
366.	<i>Pennatula splendens</i> Thomson and Handerson, 1906
367.	<i>Pennatula pendula</i> Thomson and Handerson, 1906
368.	<i>Scytalium martensi</i> var. <i>magniflora</i> Thomson and Simpson, 1909
369.	<i>Scytalium sarsii</i> Herklots, 1858
370.	<i>Scytalium martensii</i> Kölliker, 1870
371.	<i>Cavernularia elegans</i> (Herklots, 1858)
372.	<i>Cavernularia obesa</i> Valenciennes in Milne Edwards & Haime, 1850



Sl. No.	Species
373.	<i>Cavernularia luetkenii</i> K��lliker, 1872
374.	<i>Cavernularia pusilla</i> (Phillipi, 1835)
375.	<i>Cavernularia malabarica</i> Fowler, 1894
376.	<i>Cavernulina orientalis</i> (Thomson & Simpson, 1909)
377.	<i>Cavernulina andamanensis</i> (Thomson & Simpson, 1909)
378.	<i>Lituaria phalloides</i> (Pallas, 1766)
379.	<i>Lituaria hicksoni</i> Thomson and Simpson, 1909
380.	<i>Veretillum australis</i> (Gray, 1870)
381.	<i>Veretillum tenue</i> (Marshall & Fowler, 1889)
382.	<i>Distichoptilum gracile</i> Verrill, 1882
383.	<i>Sclerobelemnon burgeri</i> (Herklots, 1858)
384.	<i>Sclerobelemnon koellikeri</i> Thomson & Henderson, 1906
385.	<i>Umbellula durissima</i> Kolliker, 1880
386.	<i>Umbellula dura</i> Thomson & Handerson, 1906
387.	<i>Umbellula rosea</i> Thomson & Handerson, 1906
388.	<i>Umbellula purpurea</i> Thomson & Handerson, 1906
389.	<i>Umbellula elongata</i> Thomson & Handerson, 1906
390.	<i>Umbellula koellikeri</i> Thomson & Henderson, 1906
391.	<i>Umbellula radiata</i> Thomson & Handerson, 1906
392.	<i>Umbellula indica</i> Thomson & Handerson, 1906
393.	<i>Umbellula spicata</i> K��kenthal, 1902
394.	<i>Anthoptilum murrayi</i> Kolliker, 1880
395.	<i>Funiculina gracilis</i> Thomson and Handerson, 1906
396.	<i>Funiculina quadrangularis</i> (Pallas, 1766)
397.	<i>Heliopora coerulea</i> (Pallas, 1766)

References:

- Jayasree, V., Bhat, K. L. and Parulekar, A.H., 1994. *Sarcophyton andamanensis*, a new species of soft coral from Andaman Islands. *Journal of the Andaman Science Association*, 10(1&2): 107-111.
- Jayasree, V., Bhat, K.L. and Parulekar, A.H., 1996. Occurrence and distribution of soft corals (Octocorallia: Alcyonacea) from the Andaman and Nicobar Islands. *Journal of Bombay Natural History Society*, 93: 202-208.
- Kunjulakshmi, K., Prakash, S. and Kumar, A., 2023. A New Species of the Genus *Dendronephthya* K  kenthal 1905 (Octocorallia: Alcyonacea: Nephtheidae) and Associated Crustaceans From Covelong, Chennai, India. *Thalassas: An International Journal of Marine Sciences*, 39(2), pp.839-846.
- Periasamy, R., Kurian, P. J., & Ingole, B., 2023. Two new bamboo corals species (Octocorallia: Keratoisididae) from the seamounts of slow-spreading Central Indian Ridge. *Deep Sea Research Part I: Oceanographic Research Papers*, 201: 104158.
- Rajendra, S. & Raghunathan, C. 2024a. A New Record of Soft Coral, *Lobophytum varium* Tixier-Durivault, 1970 (Sarcophytidae: Malacalcyonacea) from the Andaman Islands, India. *Natl. Acad.*



- Sci. Lett.*, 1–6. <https://doi.org/10.1007/s40009-023-01378-w>
- Rajendra, S. & Raghunathan, C. 2024b. A New Species and New Record of the Soft Coral Genus *Lobophytum* (Octocorallia: Malacalcyonacea: Sarcophytidae) From the Andaman Islands, India. *Thalassas* 40:1133–1143 <https://doi.org/10.1007/s41208-024-00669-3>
- Rajendra, S. and Raghunathan, C., 2016. New Records of two Alcyonacean corals to Indian waters from Andaman Islands. *Rec. zool. Surv. India.*, 116, 307–312.
- Rajendra, S. and Raghunathan, C., 2022. A new record of Soft Coral, *Sarcophyton subviride* Tixier-Durivault, 1958 (Cnidaria: Anthozoa: Octocorallia)—from Great Nicobar Island, India. *Natl. Acad. Sci. Lett.*, 45, 145–148.
- Rajendra, S. and Raghunathan, C., 2024. New records of soft corals, genus *Sarcophyton* (Octocorallia: Malacalcyonacea: Sarcophytidae) from the Andaman and Nicobar Islands, India. *Biodiversity.*, 25, 175–188.
- Rajendra, S. and Sivaperuman, C., 2022. Diversity and Distribution of Octocorals (Octocorallia) in Great Nicobar Biosphere Reserve. In *Faunal Ecology and Conservation of the Great Nicobar Biosphere Reserve*, pp. 469–484.
- Rajendra, S., Raghunathan C. and Chandra, K., 2017. New records of *Sarcophyton cornispiculatum* Verseveldt, 1971 (Octocorallia: Alcyonacea: Alcyoniidae) in India, from the Andaman Islands. *Eur. zool. j.*, 84, 167–171 (2017).
- Rajendra, S., Raghunathan, C., Chandra, K. and Banerjee, D., 2023. Soft corals (Malacalcyonacea: Octocorallia) of Andaman and Nicobar Islands (Families Cladiellidae, Sarcophytidae, and Sinulariidae). *Zoological Survey of India, Kolkata*, 413, 1–174.
- Ramvilas, Ghosh, Kannan Shalu, Rajeev Raghavan, and Kutty Ranjeet, 2019. "Mapping octocoral (Anthozoa: Octocorallia) research in Asia, with particular reference to the Indian subcontinent: trends, challenges, and opportunities." *Journal of threatened taxa* 11, no. 13: 14691-14721.
- Rao, D.V. and Devi, K., 2003. Studies on the soft corals (Octocorallia: Alcyonacea) of Andaman Islands, Bay of Bengal. *Rec. Zool. Surv. India*, Occ. Paper No. 206: 1-99.
- Thomson, J. A. and Henderson, W. D., 1906. An account of the Alcyonarians collected by the Royal Indian Marine Survey Ship Investigator in the Indian Ocean. Part I. The Alcyonarians of the deep-sea, (Calcutta: The Indian Museum), pp. 132.
- Thomson, J.A. and Simpson, J.J., 1909. An account of the alcyonarians collected by the R.I.M.S.S. investigator in the Indian Ocean II. The alcyonarians of the littoral area, (Calcutta: The India Museum). pp. Xii+319.
- Vennam, J.S. and Ofwegen, V.L.P. 1996. Soft corals from the Laccadives *Zoologische Mededelingen*, 70: 437-452.
- Yogesh Kumar, J.S. and Raghunathan, C., 2012. Recovery status of scleractinian corals and associated fauna in the Andaman and Nicobar islands. *Phuket marine biological Center Research Bulletin*, 71: 63–70.
- Yogesh Kumar, J.S., Raghunathan, C. and Venkataraman, K., 2012. Studies on new findings of Gorgoniidae from Ritchie's Archipelago Andaman and Nicobar Islands. *International Journal of Science*, 3(2): 395-405.
- Yogesh Kumar, J.S., Raghunathan, C., Geetha, S. and Venkataraman, K., 2014b. New species of soft corals (Octocorallia: Alcyonacea) on the coral reef of Andaman and Nicobar Islands. *International Journal of Integrative Sciences, Innovation and Technology*, 3(1): 8-11.
- Yogesh Kumar, J.S., Raghunathan, C., Raghuraman, R., Sreeraj, C. R. and Venkataraman, K., 2014c.



- Handbook on Gorgonians (Octocorallia) of Andaman and Nicobar Islands. Published by the Director, Zoological Survey of India, Kolkata, pp. 1-119.
- Yogesh Kumar, J. S. and Raghunathan, C., 2015. Check List of Indian Gorgonians with a new report of *Melithaea variabilis* (Family : Melithaeidae) from Andaman and Nicobar Island, India. *Sch. Acad. J. Biosci.*, 3(9): 804-813.
- Yogesh Kumar, J.S., Raghunathan, C. and Chandra, K., 2018a. Annotated checklist of Octocorallia from Indian Coast. LAP LAMBERT Academic Publishing, Beau Bassin, Mauritius, (ISBN: 978-3-330-31737-6), pp.1-144.
- Yogesh Kumar, J.S., Geetha, S., Raghunathan, C. and Sornaraj, R., 2018b. Diversity and distribution of gorgonians (Octocorallia) in the Long Island and its adjacent areas in Middle Andaman, India. *Indian Journal of Geo Marine Sciences*, 47(1): 96-102.
- Yogesh Kumar, J.S., Geetha, S., Raghunathan, C. and Sornaraj, R., 2018c. A note on shallow water octocorallia from Nicobar Islands, India. *Indian Journal of Geo Marine Sciences* 47(1): 60-66.
- Yogesh Kumar, J.S., 2024. New records of soft corals (Cnidaria: Octocorallia) at Digha and adjacent areas, West Bengal, India. *Indian Journal of Geo Marine Sciences*, 53(01): 24-36.

