

FAUNA OF INDIA CHECKLIST

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ARTHROPODA: CRUSTACEA: MALACOSTRACA: EUCARIDA: EUPHAUSIACEA (KRILL)

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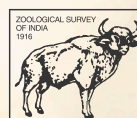
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ZOOLOGICAL SURVEY OF INDIA
Ministry of Environment, Forest & Climate Change

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Introduction

Euphausiacea is an order of the class malacostraca which comprises small shrimp like exclusively marine crustaceans and are commonly known as krills meaning small fry of fish. The importance of Euphausids in the dietary of oceanic fish and baleen whales of Antarctic waters is well known. The earliest account on Indian Euphausiids is known through the works of Sars (1885), Wood-Mason and Alcock (1891), Anderson (1893, 1896), Alcock and Anderson (1894), on the benthic forms of the Bay of Bengal and Laccadive sea. Tattersall (1911, 1939) gave an account of them from the Indian Ocean. After a long gap of about two decades, Pillai (1957) described few taxa from Travancore. Silas (1972), Silas and Mathew (1967 and 1986) also made a significant contribution. Panomerava (1964, 1975) worked on the Euphausids of Arabian Sea, Bay of Bengal and Indian Ocean. Sebastian (1966) dealt with taxonomic account of 23 species of Euphausids from the Laccadive, Maldives and adjoining regions of the Indian Ocean. Gopalakrishnan and Barinton (1969) reported 31 species from the samples of the International Indian Ocean Expedition and Mathew (1971) described two species from southwest coast of India. Recent review and distributional studies were made by Mathew (2000) and Mathew et al (2003).

Global Diversity: Globally the order Euphausiacea is represented by 87 species belonging to 11 genera and 2 Families.

Diversity in India: Recently Sivan et al (2021) reported 30 species of Euphausids from the Indian deep sea. The present study reveals the distribution of 33 species of Euphausids belonging to 7 genera and 2 two families.

Habitat: They are exclusively marine especially deep sea inhabitants

Ecological Significance: They play a significant role in the food chain and acts as a prey for various aquatic animals.

Human Significance: Like shrimps they are also consumed by humans in certain countries. Used in Pharmaceutical and aquaculture industries.

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

Protected Species as per WPA (2022): Euphausids are not listed under any schedules of Wildlife Protection Act (2022).

Species under CITES: Euphausids are not listed under any appendices of CITES.

Invasive alien species: There is no report of invasive Euphausids in India

Gap areas: Recent inventory on Indian eupausids are limited.

Systematic list:

Phylum Arthropoda		
Subphylum Crustacea		
Superclass Multicrustacea		
Class Malacostraca		
Suclass Eumalacostraca		
Order Euphausiacea Dana, 1852		
Family Benteuphausiidae Colosi, 1917		
1.	Genus <i>Benteuphausia</i> G.O. Sars, 1885 <i>Benteuphausia amblyops</i> (G.O. Sars, 1883)	Bay of Bengal
Euphausiidae Dana, 1850		
2.	Genus <i>Euphausia</i> Dana, 1850 <i>Euphausia diomedea</i> Ortmann, 1894	West Coast, Bay of Bengal
3.	<i>Euphausia distinguenda</i> Hansen, 1911	West Coast
4.	<i>Euphausia tenera</i> Hansen, 1905	West Coast
5.	<i>Euphausia brevis</i> Hansen, 1905	West Coast, Bay of Bengal
6.	<i>Euphausia pseudogibba</i> Ortmann, 1893	West Coast
7.	<i>Euphausia sibogae</i> Hansen, 1908	Arabian Sea
8.	<i>Euphausia mutica</i> Hansen, 1905	Bay of Bengal
9.	Genus <i>Hansarsia</i> Shaw, 2023 <i>Hansarsia microps</i> (G.O. Sars, 1883)	West Coast, Bay of Bengal
10.	<i>Hansarsia gracilis</i> (Hansen, 1910)	West Coast, Bay of Bengal
11.	<i>Hansarsia tenella</i> (G.O. Sars, 1883)	West Coast, Bay of Bengal
12.	Genus <i>Nematobranchion</i> Calman, 1905 <i>Nematobranchion boopis</i> (Calman, 1893)	West Coast, Bay of Bengal
13.	<i>Nematobranchion flexipes</i> (Ortmann, 1893)	West Coast, Bay of Bengal
14.	Genus <i>Pseudeuphausia</i> Hansen, 1910 <i>Pseudeuphausia latifrons</i> (G.O. Sars, 1883)	West Coast, Bay of Bengal
15.	Genus <i>Stylocheiron</i> G.O. Sars, 1883 <i>Stylocheiron carinatum</i> G.O. Sars, 1883	West Coast
16.	<i>Stylocheiron affine</i> Hansen, 1910	West Coast, Bay of Bengal
17.	<i>Stylocheiron indicum</i> Silas & Mathew, 1967	West Coast
18.	<i>Stylocheiron longicorne</i> G.O. Sars, 1883	West Coast, Bay of Bengal
19.	<i>Stylocheiron microphthalma</i> Hansen, 1910	West Coast
20.	<i>Stylocheiron elongatum</i> G.O. Sars, 1883	West Coast, Bay of Bengal
21.	<i>Stylocheiron abbreviatum</i> G.O. Sars, 1883	West Coast, Bay of Bengal
22.	<i>Stylocheiron maximum</i> Hansen, 1908	West Coast, Bay of Bengal
23.	<i>Stylocheiron armatum</i> Colosi, 1917	Arabian Sea, Bay of Bengal

24.	<i>Stylocheiron suhmii</i> G.O.Sars, 1883	Arabian Sea, Bay of Bengal
25.	<i>Stylocheiron indicum</i> Silas & Mathew, 1967	Arabian Sea
26.	Genus Thysanopoda H. Milne Edwards, 1837 <i>Thysanopoda microphthalma</i> G.O. Sars, 1885	Bay of Bengal, Arabian Sea
27.	<i>Thysanopoda obtusifrons</i> G.O. Sars, 1883	Bay of Bengal
28.	<i>Thysanopoda astylata</i> Brinton, 1975	Arabian Sea
29.	<i>Thysanopoda tricuspida</i> H. Milne Edwards, 1837	West Coast
30.	<i>Thysanopoda monacantha</i> Ortmann, 1893	West Coast
31.	<i>Thysanopoda aequalis</i> Hansen, 1905	West Coast
32.	<i>Thysanopoda orientalis</i> Hansen, 1910	West Coast
33.	<i>Thysanopoda pectinata</i> Ortmann, 1893	West Coast

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