Catalogue of Types and of
Sponges, Corals, Polychaetes, Crabs and Echinoderms
in the Reference Collections of the
Central Marine Fisheries Research Institute
I C A R

BULLETIN OF THE CENTRAL MARINE FISHERIES RESEARCH INSTITUTE


Number 7

CATALOGUE OF TYPES AND OF SPONGES, CORALS, POLYCHAETES, CRABS AND ECHINODERMS IN THE REFERENCE COLLECTIONS OF THE CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

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May 1969

CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

Marine Fisheries P.O
Mandapam Camp
Ramanathapuram District
India
THE BULLETIN OF THE CENTRAL MARINE FISHERIES RESEARCH INSTITUTE IS PUBLISHED AT IRREGULAR INTERVALS AS AND WHEN INFORMATION OF A GENERAL NATURE BECOMES AVAILABLE FOR DISSEMINATION
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FOREWORD

The Reference collections of the Central Marine Fisheries Research Institute at Mandapam Camp have steadily grown in the past two decades since its inception. Although it was originally intended to have these collections primarily with a view to representing economically important groups from the marine habitats, in recent years, with a number of Research Scholars specializing in varied zoological groups out of taxonomic and academic interests, the collections of the Institute have increased substantially.

In the present Bulletin are listed 46 Type species representing different phyla, 152 species of sponges, 160 species of corals, 200 species of crabs and hermit-crabs and 185 species of echinoderms. Some of the species listed are new records from the seas around India or even from the Indian Ocean as reported by the research workers of this institute. For types, references are given followed by type category, registered number, locality and other particulars. For reference collections the name of the species is followed by registered number and localities of occurrence.

It may be mentioned here that almost the entire collection of corals and sponges listed here have been made by Dr. C.S. Gopinadha pillai and Mr. P. A. Thomas, as Research Scholars specializing in the respective groups. Polychaete collections were made in the initial stages by Mr.K. Rengarajan, but substantial additions have been made in the recent few years by Mr.G. P. Kumaswamy Achary. Dr. C. Sankarankutty who worked at this Institute on the brachyuran and anomuran decapod crustacea collected and deposited considerable number of specimens representing the groups and Mr. M.M. Thomas currently added a good number to them. The echinoderm group in a similar way represented by collections from Indian coasts including the Laccadive Archipelago and the Andaman Nicobar group of Islands is mostly made by Mr. D.B. James who has taken this group for detailed study. This collection has been enriched by a number of specimens from coasts other than Indian through the courtesy and co-operation of scientific workers interested in the group elsewhere.
It gives me immense pleasure to place on record my appreciation to all concerned and particularly to Dr. P.S.B.R. James, Dr. C.S. Gopinadha Pillai, Messrs. P.A. Thomas, G.P. Kumaraswamy Achari, M.M. Thomas and D.B. James for the maintenance and cataloguing of the reference collections listed in this Bulletin. It is contemplated that similar catalogues be issued on other groups also in the near future. Such carefully catalogued collections steadily augmented by future workers, it is hoped, will serve to guide those interested and facilitate investigations in the respective fields.

Mandapam Camp
May, 1969

S.JONES
Director
Central Marine Fisheries Research Institute
CATALOGUE OF TYPES IN THE
COLLECTIONS OF THE CENTRAL MARINE
FISHERIES RESEARCH INSTITUTE

By

P. S. B. R. James

(Central Marine Fisheries Research Institute, Mandapam Camp)
I. CATALOGUE OF TYPES

PHYLUM CNIDARIA
CLASS ANTHOZOA
ORDER SCLERACTINIA
FAMILY PORITIDAE

1. *Porites exserta* Pillai

*Holotype*: CMFRI No. 118, Manauli Island (Gulf of Mannar), 1-2-1965.

2. *Porites mannarensis* Pillai

*Syntypes*: 4 specimens, CMFRI No. 119, Manauli Island (Gulf of Mannar), February, 1965.

3. *Porites minicoiensis* Pillai

*Holotype*: CMFRI No. 120, Minicoy (Laccadives), 10-6-1966, Alimanikfan coll.

4. *Goniopora nigra* Pillai

*Syntypes*: 3 Specimens, CMFRI No. 121, Mandapam (Palk Bay), July, 1965, Alimanikfan Coll.
FAMILY DENDROPHYLLIDAE

5. Dendrophyllia indica Pillai

*Holotype:* CMFRI No.122, Tuticorin (Gulf of Mannar), 7-10-66, S. Mahadevan Coll.
*Paratype:* CMFRI No. 123, Data same as for holotype.

FAMILY ACROPORIDAE

6. Montipora manauliensis pillai

*Holotype:* CMFRI No.124, Manauli Island (Gulf of Mannar), 7-12-1964
*Paratype:* CMFRI No. 125, data same as for holotype.

PHYLUM MOLLUSCA
CLASS GASTROPODA
ORDER ACOELA
FAMILY EUBRANCHIDAE

7. Eubranchus mannarensis Prabhakara Rao

*Holotype:* CMFRI No.82, Mandapam Camp (Gulf of Mannar), Opposite to C.M.F.R.I. Jetty, February, 1964.

8. Capellinia fuscannulata Prabhakara Rao


**Holotype:** CMFRI No. 83, Mandapam Camp (Gulf of Mannar), opposite to C. M. F. R. I. Jetty, February 1964.

9. *Eubranchopsis indicus* Prabhakara Rao


**Holotype:** CMFRI No. 84, Mandapam Camp (Gulf of Mannar), opposite to C. M. F. R. I. Jetty, March 1964.

10. *Annulorhina mandapamensis* Prabhakara Rao


**Holotype:** CMFRI No. 85, Mandapam Camp (Gulf of Mannar), opposite to C. M. F. R. I. Jetty, April 1964.

**PHYLUM ANNELIDA**
**CLASS POLYCHAETA**
**FAMILY ONUPHIDAE**

11. *Nothria mannarenisis* Rangarajan & Mahadevan


**Holotype:** One specimen, CMFRI No. 47, Pudumadam (79° 01’ E, 9° 16’ N) (Gulf of Mannar), 25-4-1961.

**Paratype:** One specimen, CMFRI No. 48, data same as for holotype.

**FAMILY CAPITELLIDAE**

12. *Scyphoproctus variabilis* Rangarajan


**Syntypes:** 6 specimens, CMFRI No. 73, near Vedalai (Gulf of Mannar), Intertidal area, 21-4-1962.
FAMILY PILARGIDAE

13. Ancistargis brevicirris Rangarajan


Syntypes: 3 specimen, CMFRI No.79. Palk Bay, 7-10 metres, 12-7-1961 and 22-8-1962.

PHYLUM ARTHROPODA
CLASS CRUSTACEA
SUBCLASS COPEPODA
ORDER CALANOIDAE
FAMILY RIDGEWAYIIDAE

14. Ridgewayia krishnaswamyi Ummerkutty


Holotype: Female, CMFRI No.52, Vedalai (Gulf of Mannar), from littoral weeds, 2 metres, 16-9-1960.

Allotype: Male, CMFRI No.53, data same as for holotype.

Paratypes: 5 Females, 5 Males, CMFRI No.54, data same as for holotype.

FAMILY PONTELLIDAE

15. Labidocera pseudacuta Silas & Pillai


Holotype: Female, CMFRI No. 99, R. V. ANTON BRUUN, Stn.288 at 09° 28’N., 54° 52’ E., on 5-2-1964, from surface, 0645-0715 hrs, depth at Stn.4648 metres.

Allotype: Male, CMFRI No.100, data same as for holotype.

ORDER CYCLOPOIDA

FAMILY ARCHINOTODELPHIDAE

16. *Nearchinotodelphys indicus* Ummerkutty


*Holotype*: Female, CMFRI No.4, Mandapam Camp (Palk Bay) from the mantle cavity of the boring bivalve, *Lithophaga stramineus*, 2 Metres, 18-7-1960.

*Allotype*: Male, CMFRI No.5, data same as for holotype.

*Paratypes*: 4 females, 4 males, CMFRI No. 6, data same as for holotype.

FAMILY ASTEROCHERIDAE

17. *Asteropontius littoralis* Ummerkutty


*Holotype*: Female, CMFRI No.10, Mandapam camp (Palk Bay) from weeds of littoral area, 2 metres, 18-6-1960.

*Paratypes*: 10 females, CMFRI No.11, data same as for holotype.

18. *Asteropontius sewelli* Ummerkutty


*Holotype*: Female, CMFRI No.12, Mandapam Camp (Palk Bay), from washings of weeds, 2 metres, 18-6-1960.

*Paratype*: 1 female, CMFRI No.13, data same as for holotype.

19. *Indomyzon qasimi* Ummerkutty


*Holotype*: Female, CMFRI No.55, Hare Island (Gulf of Mannar), from washings of starfish, 1 metre, 24-10-1960.

*Allotype*: Male, CMFRI No.56, data same as for holotype.

*Paratypes*: 4 females, 1 male, CMFRI No. 57, data same as for holotype.

FAMILY DYSPONTIIDAE

20. *Paralepeopsyllus mannarensis* Ummerkutty

Holotype: Female, CMFRI No. 7, Vedalai (Gulf of Mannar), from washings of crinoid, 1 metre, 26-8-1960.

Allotype: Male, CMFRI No. 8, Vedalai (Gulf of Mannar), from washings of sponge, 1 metre, 3-8-1960.

Paratypes: 5 females, 1 male, CMFRI No. 9, data same as for allotype.

21. Cryptopontius graciloides Ummerkutty


Holotype: Female, CMFRI No. 14, Mandapam Camp (Palk Bay), from washings of weeds, 2 metres, 29-6-1960.

Paratypen: 3 females, 1 male, CMFRI No. 15, data same as for holotype.

22. Cryptopontius orientalis Ummerkutty


Holotype: Female, CMFRI No. 16, Mandapam Camp (Palk Bay), from washings of weeds, 2 metres, 14-7-1960.

Allotype: Male, CMFRI No. 17, data same as for holotype.

Paratypes: 3 females, 1 male, CMFRI No. 18, data same as for holotype.

FAMILY CLAUSIDIIDAE

23. Hemicyclops intermedius Ummerkutty


Holotype: Female, CMFRI No. 19, Vedalai (Gulf of Mannar), from washings of weeds, 2 metres, 7-7-1960.

FAMILY LICHOMOLGIDAE

24. Pseudanthessius agilis Ummerkutty


Holotype: Female, CMFRI No. 20, Mandapam Camp (Gulf of Mannar), from washings of sponge, 2 metres, 21-7-1960.

Allotype: Male, CMFRI No. 21, data same as for holotype.

Paratypes: 5 females, 5 males, CMFRI No. 22, data same as for holotype.
25. *Pseudanthessius anormalus* Ummerkutty


*Holotype:* Female, CMFRI No. 64, Vedalai (Gulf of Mannar), from washings of sponges, 2 metres, 19-10-1960.

*Paratypes:* 2 females, CMFRI No. 65, data same as for holotype.

26. *Pseudanthessius brevicauda* Ummerkutty


*Holotype:* Female, CMFRI No. 66, Vedalai (Gulf of Mannar), from washings of littoral weeds, 2 metres, 3-11-1960.

*Paratypes:* 2 females, CMFRI No. 67, data same as for holotype.

27. *Macrochiron (Macrochiron) rigida* Ummerkutty


*Holotype:* Female, CMFRI No. 23, Vedalai (Gulf of Mannar), from washings of sponge, 2 metres, 8-8-1960.

*Allotype:* Male, CMFRI No. 24, data same as for holotype.

*Paratypes:* 5 females, CMFRI No. 25, data same as for holotype.

28. *Lichomolgus holothuriae* Ummerkutty


*Holotype:* Female, CMFRI No. 26, Vedalai (Gulf of Mannar), from washings of holothurians, 2 metres, 2-7-1960.

*Allotype:* Male, CMFRI No. 27, data same as for holotype.

*Paratypes:* 10 females, 4 males, CMFRI No. 28, data same as for holotype.

29. *Lichomolgus serratipes* Ummerkutty

Holotype: Female, CMFRI No. 29, Vedalai (Gulf of Mannar), from washings of Pteroides esperi Herklots, 2 metres, 13-11-1960, S. Jones Coll.

Allotype: Male, CMFRI No.30, data same as for holotype.

Paratypes: 5 females, 5 males, CMFRI No.31, data same as for holotype.

30. Lichomolgus brevifurcatus Ummerkutty


Holotype: Female, CMFRI No. 32, Vedalai (Gulf of Mannar), from washings of starfish, 2 metres, 12-7-1960.

Allotype: Male, CMFRI No. 33, data same as for holotype.

Paratypes: 2 males, CMFRI No. 34, data same as for holotype.

31. Lichomolgus indicus Ummerkutty


Holotype: Female, CMFRI No. 35, Vedalai (Gulf of Mannar), from washings of starfish, 2 metres, 12-7-1960.

Allotype: Male, CMFRI No. 36, data same as for holotype.

Paratypes: 3 females, CMFRI No. 37, data same as for holotype.

FAMILY STELLICOMITIDAE

32. Asterocomes indica Padmanabha Rao


Holotype: Female, CMFRI No. 49, Devipatnam (Palk Bay), September-October 1961.

Allotype: Male, CMFRI No. 50, data same as for holotype.

Paratypes: 7 females, 4 males, CMFRI No. 51, data same as for holotype.

FAMILY ERGASILIDAE

33. Bomolochus sardinellae Bennet


Holotype: Female, CMFRI No. 74, from the eye of Sardinella albella (Val.) caught in shore seine off Dhanushkodi (Lat. 9° 11' N., Long. 79° 25' E.), 3-8-1959, 0745 hrs.

Paratypes: 1 male, CMFRI No. 76, data same as for holotype, attached to the posterior portion of female (Holotype).
34. **Bomolochus varunae** Bennet


*Holotype:* Female, CMFRI No. 86, from the fish *Anodontostoma chacunda*, Arabian Sea, February, 10-14, 1965.

*Allotype:* Male, CMFRI No. 87, data same as for holotype.

*Paratype:* 1 female, CMFRI No. 88, data same as for holotype 10-2-1965.

35. **Bomolochus jonesi** Bennet


*Holotype:* Female, CMFRI No. 91, from *Rastrelliger kanagurta*, Calicut, 7-7-1966.

**FAMILY TAENIACANTHIDAE**

36. **Taeniacanthus dentatus** Sebastian


*Holotype:* Female, CMFRI No. 75, from inner surface of opercle of a single fish, *Bembrops caudimaculata* Steindachner, Palk Bay, 24-6-1962.

**ORDER HARPACTICOIDA**

**FAMILY TISBIDAE**

37. **Tisbintra jonesi** Ummerkutty


*Holotype:* Female, CMFRI No. 1, Mandapam Camp (Gulf of Mannar), inshore waters, 3 metres, 12-2-1960.

*Allotype:* Male, CMFRI No. 2, data same as for holotype.

*Paratypes:* 5 females, 5 males, CMFRI No. 3, data same as for holotype.

**ORDER CALIGOIDA**

**FAMILY CALIGIDAE**

38. **Caligus krishnai** Thomas


Allotype: Male, CMFRI No.93, data same as for holotype.

CLASS CRUSTACEA
SUBCLASS MALACOSTRACA
ORDER EUPHAUSIACEA

39. *Stylocheiron indicus* Silas & Mathew


*Holotype:* Male, CMFRI No.94, R. V. *VARUNA* St. 2138, 9° 00’ N., 75° 58’ E., IIOE net, 300-0m., Stn. depth 320 metres, 18-3-1964.
*Allotype:* Female, CMFRI No.95, data same as for holotype.
*Paratypes:* 37 females, 28 males, 4 immature specimens, CMFRI No.96, R. V. *VARUNA* Stns.2138 and 2143, 18-3-1964 and 20-3-1964.

CLASS CRUSTACEA
SUBCLASS MALACOSTRACA
ORDER DECAPODA
FAMILY PENAEIDAE

40. *Metapenaeus kutchensis* P.C George, M.J.George & Vedavyasa Rao


*Holotype:* Male, CMFRI No.80, Gulf of Kutch, 3-12 metres, 16-4-1963.
*Allotype:* Female, CMFRI No.81, data same as for holotype.

41. *Metapenaeus alcocki* George & Vedavyasa Rao


*Holotype:* Female, CMFRI No.89, Gulf of Kutch, 16-4-1963.
*Allotype:* Male, CMFRI No.90, data same as for holotype.
FAMILY XANTHIDAE

42. *Jonesius minuta* Sankarankutty


*Holotype*: Female, CMFRI No. 68, Aberdeen Bay, Andamans, 7-3-1960.

FAMILY PORCELLANIDAE

43. *Pseudoporcellanella manoliensis* Sankarankutty


*Holotype*: Immature specimen, CMFRI No. 69, Manoli Island (Gulf of Mannar), 15-10-1960.

44. *Porcellanella haigae* Sankarankutty


*Holotype*: Male, CMFRI No. 77, commensal on Pteroides sp., Tuticorin (Gulf of Mannar), 20 metres, 20-9-1962.

*Allotype*: CMFRI No. 78, data same as for holotype.

FAMILY PARTHENOPIDAE

45. *Zalasius indica* Sankarankutty


*Holotype*: Female, CMFRI No. 70, Devipatnam (Palk Bay), 15-8-1961.

PHYLUM CHAETOGNATHA

46. *Sagitta bombayensis* Lele & Gae


**Neotype:** One specimen, CMFRI No. 97, Bombay harbour, 10-0 metres, 0730-0740hrs, 3-11-1966.
E. G. Silas Coll.

**Topotypes:** 104 specimens, CMFRI No. 98, Bombay harbour, 9-0 and 10-0 metres, 0730-0810 hrs, 3-11-1966. E.G. Silas Coll.
CATALOGUE OF SPONGES IN THE REFERENCE COLLECTIONS OF THE CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

By

P.A. Thomas

(Central Marine Fisheries Research Institute, Mandapam Camp)
II. CATALOGUE OF SPONGES

PHYLUM PORIFERA
CLASS DEMOSPONGIAE
ORDER KERATOSIDA
FAMILY SPONGIIDAE

1. *Spongia officinalis* Linnaeus var. *ceylonensis* Dendy. CMFRI – S. 1. Mandapam (Gulf of Mannar); Mandapam (Palk Bay); Kovalam (Arabian Sea).

2. *Heteronema erecta* Keller. CMFRI - S. 2. Hare Island, Pulli Island, Rameswaram Island (Gulf of Mannar); Mandapam (Palk Bay) ; Mahe Island (Seychelles).

3. *Hyattella cribriformis* (Hyatt). CMFRI - S. 3. Vedalai (Gulf of Mannar); Mandapam (Palk Bay); Mahe Island (Seychelles).


5. *Ircinia fusca* (Carter).CMFRI - S. 5. Pamban (Palk Bay); Mandapam (Gulf of Mannar).

6. *Fasciospongia cavernosa* (Schmidt). CMFRI - S. 6. Mandapam (Gulf of Mannar); Rameswaram Island (Palk Bay); Kovalam, Cape Comorin (Arabian Sea); Mahe Island (Seychelles).

FAMILY DYSIDEIDAE


FAMILY APLYSILLIDAE


ORDER HAPLOSCLERIDA
FAMILY HALICLONIDAE

12. *Haliclona tenuiramosa* (Burton). CMFRI - S. 12. Mandapam (Palk Bay); Kuntugal point (Gulf of Mannar).
13. *H. exigua* (Kirkpatrick). CMFRI - S. 13. Mandapam (Palk Bay); Hare Island (Gulf of Mannar).

**FAMILY DESMACIDONIDAE**

17. *I. baculifera* Ridley. CMFRI - S. 17. Krusadai Island (Gulf of Mannar);

**FAMILY ADOIIDAE**

20. *S. Petrosioides* (Dendy). CMFRI - S. 20. Mandapam (Palk Bay); Hare Island, Manauli Island (Gulf of Mannar).
22. *S. pumila* (Lendenfeld). CMFRI - S. 22. Pamban (Gulf of Mannar); Mandapam (Palk Bay).
25. *Damiria simplex* Keller. CMFRI - S. 25. Hare Island (Gulf of Mannar).
27. *P. similis* Ridley & Dendy. CMFRI - S. 27. Hare Island (Gulf of Mannar).

**FAMILY CALLYSPONGIIDAE**


**ORDER POECILOSCLERIDA**

**FAMILY PHORBASIDAE**

31. *Echinodictyum clathratum* Dendy. CMFRI - S. 31. Vedalai (Gulf of Mannar); Mandapam (Palk Bay); Mahe Island (Seychelles).
32. *E. gorgonoides* Dendy. CMFRI - S. 32. CMFRI jetty (Gulf of Mannar); Rameswaram Island (Palk Bay).
33. *Damiriana Schmidtii* (Ridley). CMFRI - S. 33. Hare Island (Gulf of Mannar); Rameswaram Island (Palk Bay); Mahe Island (Seychelles).

**FAMILY COELOSPHAERIDAE**

34. *Oceanapia* sp. CMFRI - S. 34. Mahe Island (Seychelles).
35. *Siderodermella navicelligera* (Ridley & Dendy). CMFRI - S. 35. Galaxea Reef; Hare Island (Gulf of Mannar); Mandapam (Palk Bay).

**FAMILY AGELASIDAE**

36. *Agelas ceylonica* Dendy. CMFRI - S. 36. Hare Island (Gulf of Mannar).
37. *Scopalina* sp. CMFRI - S. 37. Mandapam (Gulf of Mannar).

**FAMILY PLOCAMIIDAE**


**FAMILY CYAMONIDAE**


**FAMILY MYXILLIDAE**

40. *Myxilla arenaria* Dendy. CMFRI - S. 40. Tuticorin (Gulf of Mannar); Kovalam (Arabian Sea).
41. *M. dendyi* Burton. CMFRI - S. 41. Mahe Island (Seychelles).
42. *Hymedesmia mertoni* Hentschel. CMFRI - S. 42. Galaxea Reef, Hare Island (Gulf of Mannar); Mandapam (Palk Bay).

**FAMILY TEDANIIDAE**

43. *Tedania anhelans* (Lieberkuhn). CMFRI - S. 43. Mandapam (Palk Bay); Kovalam (Arabian Sea); Mahe Island (Seychelles).
44. *Acarnus thielei* Levi. CMFRI - S. 44. Thangachimadam (Palk Bay).
45. *Acanthacarnus souriei* Levi. CMFRI - S. 45. Mandapam (Palk Bay); Mandapam (Gulf of Mannar); Mahe Island (Seychelles).
46. *Lissodendoryx sinensis* Brondsted. CMFRI - S. 46. Tuticorin (Gulf of Mannar).
47. *L. balanophilus* Annandale. CMFRI - S. 47. Mandapam (Gulf of Mannar).
FAMILY PSAMMASCIDAE


FAMILY RASPAILIIDAE

52. *Aulospongus tubulatus* (Bowerbank). CMFRI - S. 52. Mandapam (Palk Bay); Tuticorin, Rameswaram island (Gulf of Mannar); Waltair (Bay of Bengal).
54. *Endectyon fruticosa* (Dendy). CMFRI - S. 54. Rameswaram Island (Gulf of Mannar); Rameswaram Island (Palk Bay); Waltair (Bay of Bengal).
55. *Endectyon* sp. CMFRI - S. 55. Mandapam (Palk Bay); Thiruchendur (Gulf of Mannar).

FAMILY MICROCIONIDAE

56. *Microciona aceratoobtusa* Carter. CMFRI - S. 56. Mandapam (Palk Bay); Mandapam (Gulf of Mannar).
57. *M. toxifera* (Hentschel). CMFRI - S. 57. Rameswaram Island (Palk Bay); Mandapam (Gulf of Mannar).

FAMILY OPHLITASPONGIIDAE

60. *Clathria frondifera* (Bowerbank). CMFRI - S. 60. Mandapam (Palk Bay); Mahe Island (Seychelles).
61. *C. procera* (Ridley). CMFRI - S. 61. Rameswaram Island, Tuticorin (Gulf of Mannar); Rameswaram Island (Palk Bay); Mahe Island (Seychelles).
62. *C. indica* Dendy. CMFRI - S. 62. Tuticorin (Gulf of Mannar); Mandapam (Palk Bay); Andamans; Cochin (Arabian Sea).
63. *Mycale grandis* Gray. CMFRI - S. 63. Tuticorin (Gulf of Mannar); Mahe Island (Seychelles).
64. *M. gravelyi* Burton. CMFRI - S. 64. Pamban (Palk Bay); Krusadai Island, Hare Island (Gulf of Mannar); Kovalam (Arabian Sea); Andamans.
70. *Carmia sulevoidea* (Sollas). CMFRI - S. 70. Mandapam (Palk Bay).
71. *Zygomycule parishii* (Bowerbank). CMFRI - S. 71. Tuticorin (Gulf of Mannar); Rameswaram Island (Palk Bay); Quilon (Arabian Sea); Port Okha (Gulf of Kutch); Mahe Island (Seychelles).

**FAMILY AMPHILECTIDAE**

73. *Toxemna tubulata* (Dendy). CMFRI - S. 73. Mandapam (Palk Bay); Mahe Island (Seychelles).
75. *Biemna sp.* CMFRI - S. 75. Tuticorin (Gulf of Mannar).
76. *Biemna variantia* (Bowerbank). CMFRI - S. 76. Mahe Island (Seychelles).

**ORDER HALICHONDРИDA**

**FAMILY AXINELLIDAE**

78. *Axinella carteri* (Dendy). CMFRI - S. 78. Hare Island (Gulf of Mannar); Mahe Island (Seychelles).
79. *A. donnani* (Bowerbank). CMFRI - S. 79. Rameswaram Island (Palk Bay); Rameswaram Island, Tuticorin, Thiruchendur (Gulf of Mannar); Cape Comorin, Mangalore (Arabian Sea).
80. *A. tenuidigitata* Dendy. CMFRI - S. 80. Rameswaram Island (Gulf of Mannar); Pamban (Palk Bay).
81. *A. symmetrica* Dendy. CMFRI - S. 81. Tuticorin (Gulf of Mannar).
82. *A. agariciformis* (Dendy). CMFRI - S. 82. Rameswaram Island (Palk Bay); Rameswaram Island (Gulf of Mannar).
83. *Axinella sp.* CMFRI - S. 83. Shingle Island, Hare Island (Gulf of Mannar).
84. *Axinella sp.* CMFRI - S. 84. Hare Island (Gulf of Mannar).
85. *Axinella sp.* CMFRI - S. 85. Mahe Island (Seychelles).
86. *Axinella sp.* CMFRI - S. 86. Mahe Island (Seychelles).
88. *Phycopsis sp.* CMFRI - S. 88. Mandapam (Palk Bay); Hare Island, Krusadai Island (Gulf of Mannar).
89. *Phycopsis* sp. CMFRI - S. 89. Mahe Island (Seychelles).
91. *H. higgini* Dendy. CMFRI - S. 91. Hare Island, Krusadai Island, (Gulf of Mannar); Rameswaram Island (Palk Bay).
92. *Myrmekioderma granulata* (Esper). CMFRI - S. 92. Mandapam (Palk Bay); Minicoy (Laccadives); Mahe Island (Seychelles).

**FAMILY HYMENIACIDONIDAE**

93. *Acanthella cavernosa* Dendy. CMFRI - S. 93. Minicoy (Laccadives); Mahe Island (Seychelles)

**ORDER HADROMERIDA**

**FAMILY SPIRASTRELLIDAE**

95. *Spirastrella coccinea* (Duchassaing & Michelotti). CMFRI - S. 95. Hare Island, Krusadai Island (Gulf of Mannar); Rameswaram Island (Palk Bay).
96. *S. cuspidifera* (Lamarck). CMFRI - S. 96. Galaxea reef (Gulf of Mannar); Rameswaram (Palk Bay); Minicoy (Laccadives); Mahe Island (Seychelles).
97. *S. inconstans* (Dendy). CMFRI - S. 97. Galaxea reef, Krusadai Island (Gulf of Mannar); Rameswaram Island (Palk Bay); Minicoy (Laccadives); Kovalam (Arabian Sea); Mahe Island (Seychelles).
98. *S. Pachyspira Levi* CMFRI - S. 98. Hare Island, Krusadai Island, Manauli Island (Gulf of Mannar); Mahe Island (Seychelles).
99. *S. aurivilli Lindgren* CMFRI - S. 99. Pamban (Gulf of Mannar); Mandapam (Palk Bay).
100. *Sigmosceptrella laevis* (Lindgren). CMFRI - S. 100. Mahe Island (Seychelles).
101. *Timea stellata* (Bowerbank). CMFRI - S. 101. Rameswaram Island (Palk Bay); Hare Island (Gulf of Mannar); Mahe Island (Seychelles).
102. *T. stelligera* (Carter). CMFRI - S. 102. Rameswaram Island (Palk Bay); Pulli Island (Gulf of Mannar); Mahe Island (Seychelles).
103. *T. stellivarians* (Carter). CMFRI - S. 103. Rameswaram (Palk Bay); Mahe Island (Seychelles).

**FAMILY SUBERITIDAE**

104. *Suberites carnosus* (Johnston). CMFRI - S. 104. Mandapam (Palk Bay); Tuticorin (Gulf of Mannar); Mahe Island (Seychelles).
106. *Laxosuberites cruciatus* (Dendy). CMFRI - S. 106. Mandapam (Palk Bay); Hare Island, Pulli Island (Gulf of Mannar); Kovalam, Quilon (Arabian Sea).

107. *Pseudosuberites andrewsi* Kirkpatrick. CMFRI - S. 107. Hare Island (Gulf of Mannar); Pamban (Palk Bay); Mahe Island (Seychelles).

108. *Aaptos aaptos* (Schmidt). CMFRI - S. 108. Galaxea Reef (Gulf of Mannar); Mandapam (Palk Bay); Minicoy (Laccadives); Mahe Island (Seychelles).

**FAMILY PLACOSPONGIIDAE**

109. *Placospongia carinata* (Bowerbank). CMFRI - S. 109. Mandapam (Palk Bay); Manauli Island (Gulf of Mannar); Kovalam (Arabian Sea); Minicoy (Laccadives); Andamans.

**FAMILY CLIONIDAE**

110. *Amorphinopsis excavans* Carter. CMFRI - S. 110. Galaxea Reef (Gulf of Mannar); Pamban (Palk Bay); Mahe Island (Seychelles).

111. *Cliona celata* Grant. CMFRI - S. 111. CMFRI Jetty (Gulf of Mannar); Raman Point (Palk Bay); Mahe Island (Seychelles).

112. *C. vastifica* Hancock. CMFRI - S. 112. Hare Island, Tuticorin (Gulf of Mannar); Mandapam (Palk Bay); Kovalam (Arabian Sea); Mahe Island (Seychelles).

113. *C. ensifera* Sollas. CMFRI - S. 113. Hare Island (Gulf of Mannar).

114. *C. mucronata* Sollas. CMFRI - S. 114. Galaxea Reef (Gulf of Mannar); Andamans.

115. *C. orientalis* Thiele. CMFRI - S. 115. Krusadai Island, Hare Island (Gulf of Mannar).


117. *C. viridis* Schmidt. CMFRI - S. 117. Vedalai (Gulf of Mannar).

118. *Thoosa armata* Topsent. CMFRI - S. 118. Mahe Island (Seychelles).

**ORDER EPIPOLASIDA**

**FAMILY JASPIDAE**

119. *Prostylyssa foetida* (Dendy). CMFRI - S. 119. Mandapam (Palk Bay); Vedalai (Gulf of Mannar); Bombay (Arabian Sea); Minicoy (Laccadives).

120. *P. oculata* (Kieschnick). CMFRI - S. 120. Hare Island (Gulf of Mannar); Mandapam (Palk Bay); Mahe Island (Seychelles).


122. *Stellettinopsis simplex* Carter. CMFRI - S. 122. Pulli Island, Manauli Island (Gulf of Mannar); Rameswaram Island (Palk Bay); Minicoy (Laccadives).
123. *Jaspis penetrans* (Carter). CMFRI - S. 123. Galaxea Reef (Gulf of Mannar); Mahe Island (Seychelles).

124. *Zaplethea digonoxea* ssp. diastra Vacelet & Vasseur. CMFRI - S. 124. Hare Island, Pulli Island, Krusadai Island (Gulf of Mannar); Mandapam (Palk Bay); Mahe Island (Seychelles).

FAMILY SOLLASELLIDAE


FAMILY TETHYIDAE

127. *Tethya robusta* Bowerbank. CMFRI - S. 127. Rameswaram Island, Pulli Island Krusadai Island (Gulf of Mannar); Mandapam (Palk Bay); Kovalam (Arabian Sea); Minicoy (Laccadives).

128. *T. diploderma* Schmidt. CMFRI - S. 128. Mandapam (Palk Bay); Kovalam (Arabian Sea); Mahe Island (Seychelles).

129. *T. japonica* Sollas. CMFRI - S. 129. Mandapam (Palk Bay); Mahe Island (Seychelles).

130. *Tethytimea repens* (Schmidt). CMFRI - S. 130. Galaxea Reef (Gulf of Mannar); Kovalam (Arabian Sea).

ORDER CHORISTIDA

FAMILY ANCORINIDAE

131. *Ecionemia acervus* Bowerbank. CMFRI - S. 131. Galaxea Reef (Gulf of Mannar); Mandapam (Palk Bay); Minicoy (Laccadives).


133. *Myriastra purpurea* (Ridley). CMFRI - S. 133. Mandapam (Palk Bay); Pulli Island (Gulf of Mannar); Mahe Island (Seychelles).

134. *Aurora globostellata* (Carter). CMFRI - S. 134. Rameswaram Island (Gulf of Mannar).

135. *A. providentiae* Dendy. CMFRI - S. 135. Mandapam (Palk Bay); Hare Island, Pulli Island (Gulf of Mannar).

FAMILY GEODIIDAE

136. *Geodia perarmata* Bowerbank. CMFRI - S. 136. Krusadai Island, Hare Island (Gulf of Mannar); Mandapam (Palk Bay).

137. *G. lindgreni* (Lendenfeld). CMFRI - S. 137. Galaxea Reef (Gulf of Mannar); Rameswaram (Palk Bay); Mahe Island (Seychelles).
FAMILY CRANIELLIDAE

138. *Cinachyra cavernosa* (Lamarck). CMFRI - S. 138. Mandapam (Gulf of Mannar); Mahe Island (Seychelles).

139. *Paratetilla bacca* (Selenka). CMFRI - S. 139. Galaxea Reef (Gulf of Mannar); Mandapam (Palk Bay); Andamans; Mahe Island (Seychelles).

FAMILY KALIAPSIDAE

140. *Lophacanthus rhabdophorus* Hentschel. CMFRI - S. 140. Dhanushkodi (Palk Bay); Galaxea Reef (Gulf of Mannar).

141. *Discodermia* sp. CMFRI - S. 141. Mahe Island (Seychelles).

ORDER CARNOSIDA

FAMILY HALINIDAE


143. *Dercitopsis ceylonica* Dendy. CMFRI - S. 143. Galaxea Reef (Gulf of Mannar).

144. *D. minor* Dendy. CMFRI - S. 144. Harelsland, Manauli Island (Gulf of Mannar); Mandapam (Palk Bay).


146. *Pachamphilla dendyi* Hentschel. CMFRI - S. 146. Mandapam (Palk Bay); Galaxea Reef (Gulf of Mannar).

147. *Corticium candelabrum* Schmidt. CMFRI - S. 147. Mandapam (PalkBay).


150. *P. trilopha* Schulze. CMFRI - S. 150. Galaxea Reef (Gulf of Mannar).

FAMILY CHONDRIILLIDAE

151. *Chondrilla nucula* Schmidt. CMFRI. S. 151. Mahe Island (Seychelles).

152. *C. sacciformis* Carter. CMFRI - S. 152. Mandapam (Palk Bay).
CATALOGUE OF CORALS IN THE REFERENCE COLLECTIONS OF THE CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

By

C.S.Gopinadha Pillai

(Central Marine Fisheries Research Institute, Mandapam Camp)
III. CATALOGUE OF CORALS

PHYLUM COELENTERATA
SUBPHYLUM CNIDARIA
CLASS ANTHOZOA
SUBCLASS ZOANTHARIA
ORDER SCLERACTINIA
FAMILY THAMNASTERIIDAE

1. *Psammocora contigua* (Esper). CMFRI - C. 1. Krusadai Island (Gulf of Mannar); Minicoy (Laccadives).

FAMILY POCILLOPORIDAE

6. *Pocillopora damicornis* (Linnaeus). CMFRI - C. 6. Mandapam (Palk Bay and Gulf of Mannar); Andamans; Chetlat, Minicoy (Laccadives).
8. *P. danae* Verrill. CMFRI - C. 8. Manauli Island (Gulf of Mannar).

FAMILY ACROPORIDAE

18. *A. diversa* (Brook). CMFRI - C. 18. Krusadai (Gulf of Mannar); Andamans.
23. *A. formosa* (Dana). CMFRI - C. 23. Mandapam (Palk Bay); Minicoy (Laccadives); Andamans.
28. *A. humilis* (Dana). CMFRI - C. 28. Krusadai Island, Hare Island (Gulf of Mannar); Mandapam (Palk Bay); Andamans; Minicoy (Laccadives).
29. *A. hyacinthus* (Dana). CMFRI - C. 29. Mandapam (Palk Bay); Andamans.
30. *A. indica* (Brook). CMFRI - C. 30. Mandapam (Palk Bay); Manauli Island; Rameswaram Island; Minicoy (Laccadives).
31. *A. intermedia* (Brook). CMFRI - C. 31. Mandapam (Palk Bay); Minicoy (Laccadives).
33. *A. multicaulis* (Brook). CMFRI - C. 33. Pulli Island (Gulf of Mannar).
34. *A. multiformis* (Ortmann). CMFRI - C. 34. Manauli Island (Gulf of Mannar).
35. *A. nobilis* (Dana). CMFRI - C. 35. Hare Island (Gulf of Mannar); Andamans.
42. *A. reticulata* (Brook). CMFRI - C. 42. Minicoy (Laccadives).
43. *A. spicifera* (Dana). CMFRI - C. 43. Krusadai Island (Gulf of Mannar).
44. *A. squammosa* (Brook). CMFRI - C. 44. Mandapam (Palk Bay).
46. *A. surculosa* (Dana). CMFRI - C. 46. Manauli Island (Gulf of Mannar).
47. *A. thurstoni* (Brook). CMFRI - C. 47. Mandapam (Palk Bay).
49. *A. valida* (Dana). CMFRI - C. 49. Hare Island (Gulf of Mannar).
50. *Acropora* sp. 1. CMFRI - C. 50. Mandapam (Palk Bay).
51. *Acropora* sp. 2. CMFRI - C. 51. Andamans.
52. *Acropora syringodes* (Brook). CMFRI - C. 52. Andamans.
54. *M. digitata* (Dana). CMFRI - C. 54. Mandapam (Palk Bay and Gulf of Mannar); Tuticorin (Gulf of Mannar); Andamans.
55. *M. divaricata* (Bruggemann). CMFRI - C. 55. Mandapam (Palk Bay and Gulf of Mannar).
57. *M. elscheneri* Vaughan. CMFRI - C. 57. Hare Island (Gulf of Mannar).
60. *M. foliosa* (Pallas). CMFRI - C. 60. Palk Bay and Gulf of Mannar around Mandapam.
61. *M. granulosa* Bernard. CMFRI - C. 61. Manauli Island (Gulf of Mannar).
63. *M. monasteriata* (Forskal). CMFRI - C. 63. Mandapam (Gulf of Mannar).
64. *M. spumosa* (Lamarck). CMFRI - C. 64. Manauli Island (Gulf of Mannar).
65. *M. subtilis* Bernard. CMFRI - C. 65. Manauli Island (Gulf of Mannar).
70. *M. verrucosa* (Lamarck). CMFRI - C. 70. Manauli Island (Gulf of Mannar).

**FAMILY AGARICIIDAE**

72. *P. decussata* (Dana). CMFRI - C. 72. Manauli Island (Gulf of Mannar).
73. *P. divaricata* Lamarck. CMFRI - C. 73. Krusadai Island (Gulf of Mannar).
74. *P. explanulata* Lamarck. CMFRI - C. 74. Andamans.
75. *P. maldivensis* (Gardiner). CMFRI - C. 75. Krusadai Island (Gulf of Mannar).
76. *P. varians* (Verrill). CMFRI - C. 76. Krusadai Island (Gulf of Mannar); Mandapam (Palk Bay); Chetlat Island (Laccadives).
77. *Pachyseris rugosa* (Lamark). CMFRI - C. 77. Manauli Island (Gulf of Mannar).

**FAMILY SIDERASTERIDAE**

79. *S. radians* (Pallas). CMFRI - C. 79. Pulli Island (Gulf of Mannar); Mandapam (Palk Bay).
80. *Coscinaraea monile* (Forskal). CMFRI - C. 80. Manauli Island (Gulf of Mannar); Mandapam (Palk Bay).

**FAMILY FUNGIIDAE**

83. *C. somervillei* (Gardiner). CMFRI - C. 83. Minicoy (Laccadives).
86. *F. horrida* Dana. CMFRI - C. 86. Andamans.

**FAMILY PORITIDAE**

89. *Goniopora djiboutiensis* Vaughan. CMFRI - C. 89. Manauli Island (Gulf of Mannar).
90. *G.duofaciata* Thiel. CMFRI - C. 90. Mandapam (Palk Bay).
91. *Goniopora* sp. cf. minor Crossland. CMFRI - C. 91. Minicoy (Laccadives).
92. *G. stokesi* Milne Edwards and Haime. CMFRI - C. 92. Mandapam (Palk Bay); Minicoy (Laccadives).
93. *Alveopora* sp. CMFRI - C. 93. Seychelles.
95. *P. andrewsi* Vaughan. CMFRI - C. 95. Minicoy (Laccadives).
96. *P.compressa* Dana. CMFRI - C. 96. Krusadai Island (Gulf of Mannar).
97. *P. (Synarea) convexa* Verrill. CMFRI - C. 97. Manauli Island (Gulf of Mannar).
98. *P. fragosa* Dana. CMFRI - C. 98. Manauli Island (Gulf of Mannar).
100. *P. lutea* Milne Edwards and Haime. CMFRI - C. 100. Mandapam (Palk Bay).
101. *P. somaliensis* Gravier. CMFRI - C. 101. Manauli Island (Gulf of Mannar); Minicoy (Laccadives).
102. *P. solida* (Forskal). CMFRI - C. 102. Hare Island (Gulf of Mannar); Tuticorin (Gulf of Mannar); Minicoy (Laccadives); Andamans.
103. *Porites* sp. CMFRI - C. 103. Mandapam (Palk Bay).

**FAMILY FAVIIDAE**

105. *Favia favus* (Forskal). CMFRI - C. 105. Mandapam (Palk Bay); Minicoy (Laccadives).
106. *F. pallida* (Dana). CMFRI - C. 106. Mandapam (Palk Bay); Tuticorin (Gulf of Mannar); Minicoy, Chetlat (Laccadives); Andamans.
110. *Favites abdiata* (Ellis and Solander). CMFRI - C. 110. Mandapam (Palk Bay); (Gulf of Mannar); Minicoy (Laccadives).
111. *F. halicora* (Ehrenberg). CMFRI - C. 111. Mandapam (Palk Bay); Minicoy (Laccadives).
112. *F. melicerum* (Ehrenberg). CMFRI - C. 112. Mandapam (Gulf of Mannar); Minicoy (Laccadives).
115. *Goniastrea incrustans* Duncan. CMFRI - C. 115. Manauli Island (Gulf of Mannar).
117. *G. retiformis* (Lamarck). CMFRI - C. 117. Mandapam (Palk Bay); Minicoy (Laccadives).
118. *Platygyra lamellina* (Ehrenberg). CMFRI - C. 118. Mandapam (Palk Bay and Gulf of Mannar); Chetlat, Minicoy (Laccadives); Tuticorin (Gulf of Mannar); Andamans.
119. *Leptoria Phrygia* (Ellis and Solander). CMFRI - C. 119. Krusadai Island (Gulf of Mannar); Minicoy (Laccadives).


121. *H. grandis* Gardiner. CMFRI - C. 121. Mandapam (Palk Bay).

122. *H. microconus* (Lamark). CMFRI - C. 122. Chetlat (Laccadives); Mandapam (Palk Bay).


125. *Leptastrea purpurea* (Dana). CMFRI - C. 125. Mandapam (Palk Bay and Gulf of Mannar); Minicoy (Laccadives).


129. *C. seralia* (Forskal). CMFRI - C. 129. Mandapam (Palk Bay); Krusadai Island (Gulf of Mannar).


**FAMILY RHIZANGIIDAE**

132. *Culicia rubeola* (Quoy and Gaimard). CMFRI - C. 132. Hare Island (Gulf of Mannar).


**FAMILY OCULINIDAE**


135. *G. fascicularis* (Linnaeus). CMFRI - C. 135. Mandapam (Palk Bay); Andamans.


**FAMILY MERULINIDAE**

137. *Merulina ampliata* (Ellis and Solander). CMFRI - C. 137. Mandapam (Palk Bay and Gulf of Mannar); Minicoy (Laccadives).

**FAMILY MUSSIDAE**

139. *S. recta* (Dana). CMFRI - C. 139. Mandapam (Palk Bay); Minicoy (Laccadives).

**FAMILY PECTINIDAE**


**FAMILY CARYOPHYLLIIDAE**

142. *Paracyathus andersoni* Duncan. CMFRI - C. 142. Mandapam (Palk Bay and Gulf of Mannar); Tuticorin (Gulf of Mannar).
144. *Polycyathus verrilli* Duncan. CMFRI - C. 144. Mandapam (Palk Bay and Gulf of Mannar); Tuticorin (Gulf of Mannar).
145. *Heterocyathus aequicostatus* Milne Edwards and Haime. CMFRI - C. 145. Tuticorin (Gulf of Mannar); Seychelles.
146. *Euphyllia glabrescens* (Chamisson and Esynhardt). CMFRI - C. 146. Chetlat, Minicoy (Laccadives).

**FAMILY DENDROPHYLLIIDAE**

147. *Balanophyllia affinis* (Semper). CMFRI - C. 147. Hare Island (Gulf of Mannar).
149. *Heteropsammia michelinii* Milne Edwards and Haime. CMFRI - C. 149. Tuticorin (Gulf of Mannar); Seychelles.
150. *Tubastrea aurea* Quoy and Gaimard. CMFRI - C. 150. Manauli Island, Hare Island (Gulf of Mannar).
152. *Dendrophyllia* sp. CMFRI- C. 152. Arabian Sea (West coast of Kerala).
155. *T. peltata* (Esper). CMFRI- C. 155. Mandapam (Palk Bay and Gulf of Mannar); Rameswaram Island (Palk Bay).
156. *T. quincuncialis* Ortmann. CMFRI - C. 156. Tuticorin (Gulf of Mannar).
SUBCLASS ALCYONARIA
ORDER COENOTHECALICA
FAMILY HELIOPORIDAE


CLASS HYDROZOA
ORDER MILLEPORINA
FAMILY MILLEPORIDAE

159. *M. platyphyllia* Hemprich and Ehrenberg. CMFRI - C. 159. Minicoy (Laccadives).
CATALOGUE OF POLYCHAETES IN THE REFERENCE COLLECTIONS OF THE CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

By

G. P. Kumaraswamy Achari

(Central Marine Fisheries Research Institute, Mandapam Camp)
IV. CATALOGUE OF POLYCHAETES

PHYLUM ANNELIDA
CLASS POLYCHAETA
FAMILY APHRODITIDAE

1. *Aphrogenia alba* Kinberg. CMFRI - AN. 1. Hare Island (Gulf of Mannar).
2. *Pontogenia indica* Grube. CMFRI - AN. 2. Manauli Island (Gulf of Mannar); Piroton Island (Gulf of Kutch).

FAMILY POLYNOIDAE


FAMILY SIGALIONIDAE

15. *Leanira japonica* Mc Intosh. CMFRI - AN. 15. Palk Bay; Andamans.

FAMILY CHRYSOPETALIDAE


FAMILY AMPHINOMIDAE


**FAMILY EUPHROSINIDAE**


**FAMILY PHYLLODOCIDAE**


**FAMILY LOPADORRHYNCHIDAE**

29. *Pelagobia longicirrata* Greef. CMFRI - AN. 29. R. V. KALAVA Stn. 426, 10° 02’ N., 73° 40’ E., Stn. 324, 10° 02’ N., 75° 10’ E.

**FAMILY ALCIOPIDÆ**

30. *Vanadis formosa* Claparede. CMFRI - AN. 30. R. V. KALAVA Stn. 435, 10° 40’ N., 75° 06’ E.

**FAMILY TYPHLOSCOLECIDÆ**

32. *Travisiopsis lobifera* Levinsen. CMFRI - AN. 32. R. V. KALAVA Stn. 426, 10° 02’ N., 73° 40’ E.

**FAMILY TOMOPTERIDÆ**

33. *Tomopteris planktonis* Apstein. CMFRI - AN. 33. R. V. VARUNA Stn. 1329, 10° 22’ N., 73° 46’ E; R. V. KALAVA Stn. 426, 10° 02’ N., 73° 40’ E.
FAMILY HESIONIDAE

34. *Hesione pantherina* Risso. CMFRI - AN. 34. Palk Bay.

FAMILY PILARGIDAE


FAMILY SYLLIDAE

42. *T. closterobranchia* (Schmarda). CMFRI - AN. 42. Vedalai (Gulf of Mannar).
43. *T. exilis* (Gravier). CMFRI - AN. 43. Mandapam (Gulf of Mannar).
44. *Langerhansia cornuta* (Rathke). CMFRI - AN. 44. Palk Bay; Gulf of Mannar.
47. *O. longicirrata* Monro. CMFRI - AN. 47. Palk Bay.
49. *Autolytus orientalis* Willey. CMFRI - AN. 49. Pamban (Gulf of Mannar).

FAMILY NEREIDAE

52. *L. decipens* Fauvel. CMFRI - AN. 52. Rameswaram Road (Gulf of Mannar).
55. *N. coutierei* Gravier. CMFRI - AN. 55. Gulf of Mannar.
56. *N. zonata persica* Fauvel. CMFRI - AN. 56. Rameswaram Road (Gulf of Mannar).
63. *Perinereis brevicirris* (Grube). CMFRI - AN. 63. Palk Bay; Mayabandar (Andamans); Gulf of Mannar.
64. *P. cultrifera typica* Grube. CMFRI - AN. 64. Palk Bay; Gulf of Mannar.
68. *P. nigropunctata* Horst. CMFRI - AN. 68. Gulf of Mannar.
70. *P. nuntia vallata* (Grube). CMFRI - AN. 70. Gulf of Mannar.
73. *P. anomal a* Gravier. CMFRI - AN. 73. Port Blair (Andamans).
75. *P. abnormis* (Horst). CMFRI - AN. 75. Pamban (Gulf of Mannar); Palk Bay.

FAMILY NEPHTYIDAE

77. *Nephrys oligobranchia* Southern. CMFRI - AN. 77. Palk Bay.

FAMILY GLYCERIDAE

78. *Glycera tesselata* Grube. CMFRI - AN. 78. Palk Bay.

FAMILY GONIADIDAE


FAMILY ONUPHIDAE

82. *Diopatra neapolitana* Delle Chiaje. CMFRI - AN. 82. Palk Bay; Tuticorin (Gulf of Mannar); Neendakara - Quilon (Arabian Sea).

FAMILY EUNICIDAE

86. *Eunice tentaculata* Quatrefages. CMFRI - AN. 86. Port Blair (Andamans); Pullamadam (Palk Bay).
89. *E. indica* Kinberg. CMFRI - AN. 89. Palk Bay.
90. *E. siciliensis* Grube. CMFRI - AN. 90. Gulf of Mannar; Palk Bay; Mayabandar (Andamans).
91. *E. marenzelleri* Gravier. CMFRI - AN. 91. Minicoy (Laccadives); Manauli Island (Gulf of Mannar).
92. *E. schemacephala* Schmarda. CMFRI - AN. 92. CMFRI (Aquarium tank).

FAMILY LUMBRINERIDAE

100. *L. impatiens* (Cleparede). CMFRI - AN. 100. Palk Bay; Car Nicobar.

FAMILY ARABELLIDAE

102. *Arabella iricolor* (Montagu). CMFRI - AN. 102. Tuticorin (Gulf of Mannar); Palk Bay.

FAMILY LYSARETIDAE

FAMILY DORVILLEIDAE

106. *Stauronereis incertus* (Schmarda). CMFRI - AN. 106. Palk Bay; Hare Island (Gulf of Mannar).
108. *Ophryotrocha puerilis* Claparede & Metschnikov. CMFRI - AN. 108. Hare Island (Gulf of Mannar).

FAMILY ORBINIIDAE


FAMILY SPIONIDAE

118. *P. hornelli* Willey. CMFRI - AN. 118. Mandapam (Gulf of Mannar).

FAMILY MAGELONIDAE


FAMILY TROCHOCHAETIDAE


FAMILY POECILOCHAETIDAE

123. *Poecilochaetus serpens* Allen. CMFRI - AN. 123. Pamban (Gulf of Mannar); R. V. KALAVA
    Strn. 426, 10° 02’ N., 73° 40’ E.
FAMILY CHAETOPTERIDAE


FAMILY CIRRATULIDAE

126. *Cirratulus anchylochaetus* Schmarda. CMFRI - AN. 126. Palk Bay; Tuticorin (Gulf of Mannar).

FAMILY CTENODRILIDAE


FAMILY FLABELLIGERIDAE

133. *Pherusa parmata* (Grube). CMFRI - AN. 133. Madras; Palk Bay; Tuticorin, Hare Island (Gulf of Mannar); Quilon (Arabian Sea).
135. *P. eruca indica* (Fauvel). CMFRI - AN. 135. Hare Island, Manauli Island (Gulf of Mannar).

FAMILY OPHELIIDAE

137. *Armandia lanceolata* Willey. CMFRI - AN. 137. Andamans.

FAMILY STERNASPIDAE

FAMILY CAPITELLIDAE

142. *Pulliella armata* Fauvel. CMFRI - AN. 142. Hare Island (Gulf of Mannar).

FAMILY ARENICOLIDAE


FAMILY MALDANIDAE


FAMILY OWENIIDAE

147. *Owenia fusiformis* Delle Chiaje. CMFRI - AN. 147. Phoenix Bay - Port Blair (Andamans); Palk Bay; Kovalam (Arabian Sea).

FAMILY SABELLARIDAE

149. *Sabellaria spinulosa* Leuckart. CMFRI - AN. 149. Rameswaram Road (Gulf of Mannar); Vizhingam (Arabian Sea).
150. *S. pectinata* Fauvel. CMFRI - AN. 150. Mandapam (Gulf of Mannar).

FAMILY PECTINARIIDAE

FAMILY AMPHARETIDAE


FAMILY TEREPELLIDAE


FAMILY TRICHOBRANCHIDAE


FAMILY SABELLIDAE

170. *Sabella porifera* Grube. CMFRI-AN. 170. Neill Island (Andamans); Hare Island (Gulf of Mannar); Palk Bay.
176. *Hypsicomus phaeotaenia* (Schmarda). CMFRI - AN. 176. Neill Island (Andamans);
Gulf of Mannar.


**FAMILY SERPULIDAE**


186. *H. bifurcatus* Pixell. CMFRI - AN. 186. Hare Island (Gulf of Mannar).


188. *H. exaltatus vesiculosus* Fauvel. CMFRI - AN. 188. Palk Bay.


198. *S. incrustans* Claparede. CMFRI - AN. 198. Hare Island (Gulf of Mannar).

**FAMILY SPIRORBIDAE**


CATALOGUE OF CRABS AND HERMIT-CRABS
IN THE REFERENCE COLLECTIONS OF THE CENTRAL
MARINE FISHERIES RESEARCH INSTITUTE

By

M.M.Thomas

(Central Marine Fisheries Research Institute, Mandapam Camp)
V. CATALOGUE OF CRABS AND HERMIT-CRABS

PHYLUM ARTHROPODA
CLASS CRUSTACEA
ORDER DECAPODA
SUBORDER REPTANTIA
SECTION ANOMURA
FAMILY GALATHEIDAE


FAMILY PORCELLANIDAE

3. *P. gaekwari* Southwell. CMFRI - AR. 3. Pearl beds, Ceylon (Gulf of Mannar).

FAMILY PAGURIDAE

5. *Paguristes longirostris* Dana. CMFRI - AR. 5. Mandapam, Kundugal gut, Pudumadam, Mandapam (Gulf of Mannar).
12. *C. longitarsus* (de Haan). CMFRI - AR. 12. Athankarai (Palk Bay); Kundugal gut (Gulf of Mannar); Pulicat Lake (Bay of Bengal); Neendakara (Quilon).


15. *Calcinus herbsti* de Man. CMFRI - AR. 15. Mandapam (Palk Bay); Kundugal gut (Gulf of Mannar); Minicoy, Kavarathy (Laccadives).


17. *Diogenes merguiensis* de Man. CMFRI - AR. 17. Pudumadam (Gulf of Mannar).


20. *D. miles* Herbst. CMFRI - AR. 20. Mandapam, Irumeni, Rameswaram (Palk Bay); Thonithura (Gulf of Mannar); Cuddalore.


22. *D. avarus* Heller. CMFRI - AR. 22. Mandapam, Athankarai (Palk Bay); Krusadai Island, Thonithura (Gulf of Mannar).

23. *D. rectimanus* Miers. CMFRI - AR. 23. Athankarai (Palk Bay); Kundugal gut (Gulf of Mannar).


25. *Pagurus megistos* Herbst. CMFRI - AR. 25. Pudumadam, Pully Island, Kilakkarai (Gulf of Mannar); Andamans; Kavarathy (Laccadives).

26. *P. setifer* Milne Edwards. CMFRI - AR. 26. Pudumadam (Gulf of Mannar); Mandapam Camp (Palk Bay); Kakinada.


FAMILY COENOBITIDAE

33. *Coenobita rugosa* Milne Edwards. CMFRI - AR. 33. Manauli Island; Vala tivu (Gulf of Mannar); South Point (Andamans); Minicoy (Laccadives).

34. *C. cavipes* Stimpson. CMFRI - AR. 34. Minicoy (Laccadives).

35. *C. clypeata* Latreille. CMFRI - AR. 35. Suheli Par (Laccadives); Car Nicobar.
SECTION BRACHYURA
FAMILY DROMIIDAE

36. *Dromia* sp. CMFRI - AR. 36. Tuticorin (Gulf of Mannar).

FAMILY DORIPPIDAE

42. *D. granulata* de Haan. CMFRI - AR. 42. Pudumadam (Gulf of Mannar); Ross Island (Andamans).
43. *D. Polita* Alcock & Anderson. CMFRI - AR. 43. Pudumadam (Gulf of Mannar).

FAMILY CALAPPIDAE

44. *Calappa hapatica* (Linnaeus). CMFRI - AR. 44. Hare Island (Gulf of Mannar); Pearl beds (Ceylon); Aberdeen Bay (Andamans); Minicoy (Laccadives).
45. *C. philargius* (Linnaeus). CMFRI - AR. 45. Palk Bay; Mangalore; Ceylon.
46. *Matuta lunaris* (Forskala). CMFRI - AR. 46. Hare Island (Gulf of Mannar); Andamans; Car Nicobar.
47. *M. Planipes* Fabricius. CMFRI - AR. 47. Mandapam Camp (Palk Bay).

FAMILY LEUCOSIIDAE

49. *Leucosia pubescens* Miers. CMFRI - AR. 49. Pudumadam (Gulf of Mannar).
52. *P. verrucosa* Henderson. CMFRI - AR. 52. Pudumadam (Gulf of Mannar).
53. *P. adamsii* Bell. CMFRI - AR. 53. Vedalai, Pudumadam (Gulf of Mannar).
55. *M. pentacantha* Alcock. CMFRI - AR. 55. Aberdeen Bay (Andamans).

**FAMILY HYMENOSOMIDAE**


**FAMILY MAIIDAE**

63. *Huenia proteus* de Haan. CMFRI-AR. 63. Pearl beds (Ceylon); Minicoy (Laccadives).
64. *Menaethius monoceros* (Latreille). CMFRI-AR. 64. Vedalai (Gulf of Mannar); Car Nicobar; Aberdeen Bay (Andamans); Minicoy (Laccadives).
67. *Doclea* sp. CMFRI-AR. 67. Vedalai (Gulf of Mannar).
68. *Egeria investigatoris* Henderson. CMFRI-AR. 68. Pearl beds (Ceylon).
69. *Halimus pleione* (Herbst). CMFRI-AR. 69. Pearl beds (Ceylon); Vedalai (Gulf of Mannar).
70. *H. aries* (Latreille). CMFRI-AR. 70. Kilakkarai (Gulf of Mannar).
74. *P. nodosa* (Heller). CMFRI-AR. 74. Pearl beds (Ceylon).
76. *Schizophrys aspera* (H. Milne Edwards). CMFRI-AR. 76. Manauli Island (Gulf of Mannar); Car Nicobar, Kavarathy (Laccadives).
78. *Oregonia* sp. CMFRI-AR. 78. Vedalai (Gulf of Mannar).
81. *Micippa philyra* (Herbst). CMFRI-AR. 81. Minicoy (Laccadives); Hare Island (Gulf of Mannar).
FAMILY PARTHENOPIDAE

82. *Cryptopodia fornicata* (Fabricius). CMFRI - AR. 82. Ceylon; Pudumadam (Gulf of Mannar).
83. *Lambrus* (Lambrus) *longimanus* Leach. CMFRI - AR. 83. Pearl beds (Ceylon).
84. *L. (Aulacolambrus) hoplonotus* Adam & White. CMFRI - AR. 84. Hare Island (Gulf of Mannar).
89. *Harrovia albolineata* Adam & White. CMFRI - AR. 89. Vedalai (Gulf of Mannar).

FAMILY PORTUNIDAE

90. *Charybdis (Charybdis) annulata* (Fabricius). CMFRI - AR. 90. Krusadai Island (Gulf of Mannar).
95. *C. (Goniohellenus) truncata* (Fabricius). CMFRI - AR. 95. Andamans.
96. *C. (Goniosupradens) obtusifrons* Leene. CMFRI - AR. 96. Minicoy (Laccadives).
100. *Portunus emarginatus* Stephenson. CMFRI - AR. 100. Aberdeen Bay (Andamans).
104. *P. pelagicus* (Linnaeus). CMFRI - AR. 104. Devipatnam (Palk Bay); Mandapam Camp (Gulf of Mannar); North Bay (Andamans).
113. *T. integra* Dana. CMFRI - AR. 113. Vedalai (Gulf of Mannar); Aberdeen Bay (Andamans); Minicoy (Laccadives).
114. *T. pyrimna* (Herbst). CMFRI - AR. 114. Manauli Island; Tuticorin (Gulf of Mannar); Aberdeen Bay (Andamans).

**FAMILY GRAPSIDAE**

121. *Metapograpsus frontalis* Miers. CMFRI - AR. 121. Mandapam Camp (Palk Bay); Car Nicobar.
123. *Pachygrapsus minutus* A. Milne Edwards. CMFRI - AR. 123. Pully Island, (Gulf of Mannar); Car Nicobar.
129. *S. (Chiromantes) bidens* (de Haan). CMFRI - AR. 129. Athankarai (Palk Bay); Negombo (Ceylon); Bimbleton (Andamans); Pully Island (Gulf of Mannar).
131. *Percnon planissimum* (Herbst). CMFRI - AR. 131. Shingle Island (Gulf of Mannar);
Car Nicobar; Port Blair (Andamans); Minicoy (Laccadives).

**FAMILY OCYPODIDAE**

134. *Ocypode ceratophthalma* (Pallas). CMFRI - AR. 134. Gulf of Mannar; Neill Island (Andamans);
Amindivi, Kavarathy (Laccadives).
135. *O. cordimana* Desmarest. CMFRI - AR. 135. Mandapam Camp (Gulf of Mannar); Neill Island (Andamans);
Kavarathy (Laccadives).
137. *Uca annulipes* (H. Milne Edwards). CMFRI - AR. 137. Manauli Island (Gulf of Mannar); Maya Bandar (Andamans).
138. *U. marionis excisa* Nobili. CMFRI - AR. 138. Manauli Island (Gulf of Mannar); Maya Bandar (Andamans).
139. *Dotilla myctiroides* (H. Milne Edwards). CMFRI - AR. 139. Kundugal gut (Gulf of Mannar);
Aberdeen Bay (Andamans).
143. *M. depressus* Ruppell. CMFRI - AR. 143. Kundugal gut, Manauli Island (Gulf of Mannar).

**FAMILY MICTYRIDAE**


**FAMILY XANTHIDAE**

146. *Actaea cavipes* (Dana). CMFRI - AR. 146. Neill Island (Andamans); Minicoy (Laccadives).
147. *A. granulata* (Audouin). CMFRI - AR. 147. Pudumadam (Gulf of Mannar); Devipatnam (Palk Bay).
158. *A. verrucosus* Henderson. CMFRI - AR. 158. Pearl bank (Ceylon).
159. *Carpiilodes tristis* Dana. CMFRI - AR. 159. Aberdeen Bay (Andamans); Minicoy (Laccadives).
165. *C. nigra* (Forskal). CMFRI - AR. 165. Manauli Island (Gulf of Mannar); Aberdeen Bay (Andamans).
172. *C. melanodactylus* Dana. CMFRI - AR. 172. Manauli Island (Gulf of Mannar).
182. *E. laevimanus* Randall. CMFRI - AR. 182. Kilakkarai (Gulf of Mannar); Aberdeen Bay (Andamans); Car Nicobar.
183. *Eurycarcinus grandieri* A. Milne Edwards. CMFRI - AR. 183. Bimbletan (Andamans); Pamban (Gulf of Mannar).
185. *Eurycarcinus* sp. CMFRI - AR. 185. Tuticorin (Gulf of Mannar).
188. *Leptodius cavipes* (Dana). CMFRI - AR. 188. Pudumadam (Gulf of Mannar); Car Nicobar.
189. *L. exaratus* (H. Milne Edwards). CMFRI - AR. 189. Shingle Island, Krusadai Island (Gulf of Mannar); Maya Bandar (Andamans); Car Nicobar.
190. *L. euglyptus* Alcock. CMFRI - AR. 190. Shingle Island (Gulf of Mannar).
197. *P. hirsutus* Stimpson. CMFRI - AR. 197. Pamban (Gulf of Mannar); Andamans.
198. *P. vespertilio* (Fabricius). CMFRI - AR. 198. Palk Bay; Neill Island (Andamans); Minicoy (Laccadives).
199. *Phymodius monticulosus* (Dana). CMFRI - AR. 199. Pully Island (Gulf of Mannar); Phoenix Bay (Andamans); Car Nicobar.
201. *Platypodia* sp. CMFRI - AR. 201. Minicoy (Laccadives).
203. *Tetralia glaberrima* (Herbst). CMFRI - AR. 203. Mandapam (Gulf of Mannar); Neill Island (Andamans); Minicoy (Laccadives).
206. *T. ferruguinea areolata* Dana. CMFRI - AR. 206. Rameswaram (Gulf of Mannar); Andamans.

**FAMILY GONOPLACIDAE**


**FAMILY PINNOTHERIDAE**

218. *P. ridgewayi* Southwell. CMFRI - AR. 218. Gulf of Mannar; Palk Bay.

**FAMILY GECARCINIDAE**

CATALOGUE OF ECHINODERMS IN THE REFERENCE COLLECTIONS OF THE CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

By

D. B. James

(Central Marine Fisheries Research Institute, Mandapam Camp)
VI. CATALOGUE OF ECHINODERMS

PHYLUM ECHINODERMATA

CLASS CRINOIDEA
ORDER ARTICULATA
FAMILY COMASTERIDAE


FAMILY MARIAMETRIDAE

5. Lamprometra palmata palmata (J. Muller). CMFRI - E. 5. Tuticorin (Gulf of Mannar).

FAMILY TROPIOMETRIDAE


CLASS ASTEROIDEA
ORDER PHANEROZONIA
FAMILY ASTROPECTINIDAE

8. A. polyacanthus Muller & Troschel. CMFRI - E. 8. Pamban (Gulf of Mannar); Great Bitter Lake, Wadi el Dom, 29° 27’ N., 32° 31’ E. (Red Sea).
FAMILY LUIDIIDAE


FAMILY ARCHASTERIDAE

14. *Archaster typicus* Muller & Troschel. CMFRI - E. 14. Port Blair, Maya Bandar (Andamans); Car Nicobar; Darval Bay 04° 36’ N., 118° 45’ E. (N. E. Borneo); Simpson Harbour, Rabaul, 04°, 15’ E., 152° 10’ E. (New Britain).

FAMILY ODONTASTERIDAE


FAMILY GONIASTERIDAE

17. *Coniodiscus forficulatus* Perrier. CMFRI - E. 17. Tuticorin, Mandapam (Gulf of Mannar).

FAMILY OREASTERIDAE

20. *Culcita novaeguinea* var. *plana* Doderlein. CMFRI - E. 20. Mandapam (Gulf of Mannar); Port Blair (Andamans); Minicoy (Laccadives); Simpson Harbour, Rabaul, 04° 14’ S., 152° 10’ E. (New Britain).

**FAMILY METRODIRIDAE**


**FAMILY LINCKIIDAE**

42. *Dactylosaster cylindricus* (Lamarck). CMFRI - E. 42. Port Louis (Mauritius); Minicoy (Laccadives).
43. *Linckia laevigata* (Linnaeus). CMFRI - E. 43. Tuticorin (Gulf of Mannar); Port Blair (Andamans); Minicoy (Laccadives); Darvel Bay, 04° 36’N., 118° 45’ E. (N. E. Borneo); Keita, Bougainville (Solomon Islands); Port Louis (Mauritius).
44. *L. guildingi* (Gray). CMFRI - E. 44. Port Blair (Andamans).
45. *L. multifora* (Lamarck). CMFRI - E. 45. Mandapam, Tuticorin (Gulf of Mannar); Bitra, Agathi, Minicoy (Laccadives); Port Blair (Andamans); Darvel Bay, 04° 36’N., 118° 45’ E. (N. E. Borneo); Wadi el Dom, 29° 27’ N., 32° 31’ E., Quseir, 26° 17’ N., 34° 11’ E., Al Ghardaqa, 27° 15’ N., 33° 49’ E. (Red Sea).
FAMILY ASTEROPIDAE


ORDER SPINULOSA

FAMILY ACANTHASTERIDAE

47. *Acanthaster planci* (Linnaeus). CMFRI - E. 47. Kadamath (Laccadives); Nancowry (Nicobar); Keita, Bougainville (Solomon Islands).

FAMILY ECHINASTERIDAE

49. *E. luzonicus* (Gray). CMFRI - E. 49. Mandapam, Tuticorin (Gulf of Mannar); Keita, Bougainville (Solomon Islands).

FAMILY ASTERINIDAE

50. *Asterina burtoni* Gray. CMFRI - E. 50. Mandapam (Gulf of Mannar); Al Ghardaqa 27° 15’ N., 33° 49’ E., Quseir, 26° 27’ N., 34° 11’ E., Wadi el Dom, 29° 27’ N., 32° 31’ E. (Red Sea); Port Louis (Mauritius).
52. *Anseropoda sarasini* de Loriol. CMFRI - E. 52. Mandapam (Palk Bay).

CLASS OPHIUROIDEA

ORDER EURYALAE

FAMILY GORGONOCEPHALIDAE


ORDER OPHIURAE

FAMILY OPHIOMYXIDAE


FAMILY AMPHIURIDAE

55. *Amphipholis squamata* (Delle Chiaje). CMFRI - E. 55. Mandapam (Gulf of Mannar).

**FAMILY OPHIACTIDAE**

59. *Ophiactis savignyi* Muller & Troschel. CMFRI - E. 59. Mandapam (Palk Bay and Gulf of Mannar); Minicoy (Laccadives).
60. *O. modesta* Brock. CMFRI - E. 60. Rameswaram (Palk Bay).

**FAMILY OPHIOTRICHIDAE**

64. *Ophiocnemis marmorata* (Lamarck). CMFRI - E. 64. Tuticorin, Mandapam (Gulf of Mannar).
70. *O. accedens* Koehler. CMFRI - E. 70. Tuticorin (Gulf of Mannar).
71. *O. variegata* Duncan. CMFRI - E. 71. Mandapam (Gulf of Mannar).
72. *O. (Keystonea) nereidina* (Lamarck). CMFRI - E. 72. Tuticorin (Gulf of Mannar); Bitra (Laccadives).
73. *Macrophiothrix aspidota* (Muller & Troschel). CMFRI - E. 73. Mandapam (Gulf of Mannar); Vizhingam, Jamnagar (Arabian Sea); Port Blair (Andamans).
FAMILY OPHIOCOMIDAE

78. *Ophicomella sexradia* (Duncan). CMFRI - E. 78. Mandapam (Palk Bay); Bitra (Laccadives); Port Blair (Andamans).


81. *Ophiomastix annulosa* (Lamarck). CMFRI - E. 81. Port Blair (Andamans); Car Nicobar; Minicoy (Laccadives).

82. *Ophiocoma erinacea* Muller & Troschel. CMFRI - E. 82. Port Blair (Andamans); Minicoy, Bitra (Laccadives); Port Louis (Mauritius); Al Ghardaqa, 27° 15’ N., 33° 49’ E. North of Quseir, 26° 17’ N., 34° 11’ E. (Red Sea).

83. *O. scolopendrina* (Lamarck). CMFRI - E. 83. Port Blair, Rangat Bay (Andamans); Minicoy (Laccadives); Port Louis (Mauritius); Al Ghardaqa, 27° 13’ N., 33° 51’ E. Quseir, 26° 17’ N., 34° 11’ E., Safaga, 26° 37’ N., 34° 00’ E., Port Eilat (Red Sea).

84. *O. pica* Muller & Troschel. CMFRI - E. 84. Chetlat (Laccadives); Nancowry (Nicobar); Al Ghardaqa, 27° 15’ N., 33° 49’ E., Quseir, 26° 17’ N., 34° 11’ E., Safaga, 26° 37’ N., 34° 00’ E. (Red Sea).

85. *O. brevipes* Peters. CMFRI - E. 85. Port Blair, Rangat Bay (Andamans); Minicoy (Laccadives).

86. *O. valenciae* Muller & Troschel. CMFRI - E. 86. Al Ghardaqa, 27° 15’ N., 33° 49’ E., Quseir, 26° 17’ N., 34° 11’ E. (Red Sea).


88. *O. insularia* var. *variegata* (Smith). CMFRI - E. 88. Port Blair (Andamans); Minicoy (Laccadives).

FAMILY OPHIOCHITONIDAE

89. *Ophionereis dubia* (Muller & Troschel). CMFRI - E. 89. Tuticorin (Gulf of Mannar); Al Ghardaqa, 27° 15’ N., 33° 49’ E. (Red Sea).

FAMILY OPHIODERMATIDAE


FAMILY OPHIURIDAE

94. *Ophiomusium fimbriatum* Koehler. CMFRI - E. 94. Kakinada, 17° 10’ N., 84° 30’ E.

CLASS ECHINOIDEA

ORDER CIDAROIDA

FAMILY CIDARIDAE


ORDER CAMERODONTA

FAMILY TEMNOPLEURIDAE

98. *Temnopleurus toreumaticus* L. Agassiz. CMFRI - E. 98. Mandapam (Gulf of Mannar); Gulf of Kutch; Off Puri, 19° 5’ N., 84° 50’ E.; Port Blair (Andamans).

FAMILY TOXOPNEUSTIDAE

104. *Tripneustes gratilla* (Linnaeus). CMFRI - E. 104. Krusadai Island (Gulf of Mannar); Nancowry (Nicobar); Port Louis (Mauritius); Al Ghardaqa, 27° 15’ N., 33° 49’ E; Port Eilat (Red Sea).

FAMILY ECHINOMETRIDAE

109. *Echinometra mathaei* (Blainville). CMFRI - E. 109. Shingle Island (Gulf of Mannar); Minicoy (Laccadives); Port Blair, (Andamans); Nancowry (Nicobar); Port Louis (Mauritius); Keita, Bougainville (Solomon Islands); Darvel Bay 04° 36’ N., 118° 45’ E. (N. E. Borneo); Port Eilat, Al Ghardaqqa, 27° 15’ N., 33° 49’ E., Wadi el Dom, 29° 27’ N., 32° 31’ E., Safaga, 26° 47’ N., 33° 57’ E. (Red Sea).


111. *Heterocentrotus mammillatus* (Linnaeus). CMFRI - E. 111. Agathi (Laccadives); Quseir, 26° 17’ N., 34° 11’ E. (Red Sea); Port Louis (Mauritius).


ORDER AULODONTA
FAMILY DIADEMATIDAE


115. *Diadema setosum* (Leske). CMFRI - E. 115. Port Blair (Andamans); Nancowry (Nicobar); Keita, Bougainville (Solomon Islands); Simpson Harbour, Rabaul, 04° 14’ S., 152° 10’ E. (New Britain); Wadi el Dom, 29° 27’ N., 32° 31’ N. (Red Sea).

116. *D. savignyi* Michelin. CMFRI - E. 116. Port Blair (Andamans); Minicoy (Laccadives); Guadacanal Island (Solomon Islands).


ORDER STIRODONTA
FAMILY STOMOPNEUSTIDAE

119. *Stomopneustes variolaris* (Lamarck). CMFRI - E. 119. Mandapam (Gulf of Mannar); Waltair; Minicoy (Laccadives); Port Louis (Mauritius).

ORDER CLYPEASTROIDA
FAMILY CLYPEASTERIDAE

120. *Clypeaster humilis* (Leske). CMFRI - E. 120. Tuticorin (Gulf of Mannar); Cochin; Al Ghardaqa, 27° 15’ N., 33° 49’ E., Port Eilat (Red Sea).
FAMILY LAGANIDAE

121. *Laganum depressum* Lesson. CMFRI - E. 121. Tuticorin (Gulf of Mannar); Rangat Bay (Andamans).


FAMILY SCUTELLIDAE

123. *Echinodiscus auritus* (Leske). CMFRI - E. 123. Kilakkarai, Tuticorin (Gulf of Mannar); Off Cape Comorin; Off Visakhapatnam, 17° 15’ N., 83° 35’ E; Ain Sokhna, 29° 34’ N., 32° 21’ E. (Red Sea).


FAMILY FIBULARIIDAE


FAMILY ARACHNOIDIDAE


ORDER SPATANGOIDA

FAMILY PALAEONEUSTIDAE


FAMILY LOVENIIDAE


129. *Lovenia elongata* Gray. CMFRI - E. 129. Tuticorin (Gulf of Mannar); Port Eilat, Wadi el Dom, 29° 27’ N., 32° 31’ E. (Red Sea).

FAMILY BRISSIDAE


ORDER CASSIDULOIDA
FAMILY ECHINOLAMPADIDAE

133. Echinolampas ovata (Leske). CMFRI - E. 133. Mandapam (Gulf of Mannar).
134. E. alexandri de Loriol. CMFRI - E. 134. Tuticorin (Gulf of Mannar).

ORDER HOLECTYPOIDA
FAMILY ECHINONEIDAE


CLASS HOLOTHUROIDEA
ORDER DENDROCHIROTA
FAMILY CUCUMARIIDAE

137. Pseudocolochirus violaceus (Theel). CMFRI - E. 137. Mandapam, Pamban (Gulf of Mannar);
    Off Kalingapatnam, 19° 51’ N., 84° 50’ E.
138. Stolus buccalis (Stimpson). CMFRI - E. 138. Mandapam (Gulf of Mannar); Rameswaram
    (Palk Bay).
139. Thyone herdmani (Pearson). CMFRI - E. 139. Mandapam (Gulf of Mannar).

FAMILY PHYLLOPHORIDAE

142. Phyllophorus (Phyllophorella) parvepides H. L. Clark. CMFRI - E. 142. Vedalai (Gulf of
    Mannar).
143. Actinocucumis typicus Ludwig. CMFRI - E. 143. Pamban, Mandapam (Gulf of Mannar);
    Port Okha.
144. Afrocucumis africana (Sempar). CMFRI - E. 144. Port Blair (Andamans); Minicoy
    (Laccadives).
    (Red Sea); Mahe Island (Seychelles).

ORDER ASPIDOCHIROTA
FAMILY STICHOPODIDAE

148. *S. variegatus* Sempar. CMFRI - E. 148. Vedalai, Tuticorin (Gulf of Mannar); Port Blair (Andamans); Al Ghardaqa, 27° 15’ N., 33° 49’ E. (Red Sea).

**FAMILY HOLOTHURIIDAE**

151. *Actinopyga mauritiana* (Quoy & Gaimard). CMFRI - E. 151. Port Blair, Rangat Bay (Andamans); Nancowry (Nicobar); Minicoy (Laccadives); Al Ghardaqa, 27° 15’ N., 33° 49’ E. (Red Sea).
158. *H. cinerascens* (Brandt). CMFRI - E. 158. Mandapam (Gulf of Mannar); Vizhingam (Arabian Sea); Minicoy (Laccadives); Rangat Bay (Andamans).
159. *H. spinifera* Theel. CMFRI - E. 159. Mandapam (Gulf of Mannar); Devipatnam (Palk Bay).
160. *H. impatiens* (Forskal). CMFRI - E. 160. Port Blair (Andamans); Minicoy (Laccadives); Adabiya Point, 29° 50’ N., 32° 29’ E., Al Ghardaqa, 27° 15’ N., 33° 49’ E. (Red Sea).
163. *H. pardalis* Selenka. CMFRI - E. 163. Pulli Island (Gulf of Mannar); Port Blair (Andamans); Minicoy, Chetlat (Laccadives); Bedi Port (Gulf of Kutch); Port Okha; Wadi el Dom, 29° 26’ N., 32° 30’ E., Al Ghardaqa, 27° 15’ N., 33° 49’ E. (Red Sea).
165. *H. scabra* Jaeger. CMFRI - E. 165. Mandapam, Pamban (Gulf of Mannar); Bedi Port (Gulf of Kutch).
169. *H. hilla* Lesson. CMFRI - E. 169. Kilakarai (Gulf of Mannar); Port Blair, Rangat Bay (Andamans); Minicoy (Laccadives).
170. *H. leucospilota* (Brandt). CMFRI - E. 170. Kilakarai, Tuticorin (Gulf of Mannar); Vizhingam, Karwar (Arabian Sea); Port Blair, Rangat Bay (Andamans); Minicoy (Laccadives); Al Ghardqa, 27° 15’ N., 33° 49’ E. (Red Sea).

ORDER MOLPADONIA

FAMILY CAUDINIDAE


ORDER APODA

FAMILY CHIRODOTIDAE


FAMILY SYNAPTIDAE
