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# BIBLIOGRAPHY OF THE GULF OF MANNAR

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and  
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ICAR

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**Front Cover :** Mangrove forest of Manoli Island of the Gulf of Mannar managed by Tamilnadu Forest Department, Mandapam.

**Back Cover :** Satellite picture of Gulf of Mannar Islands by Institute for Ocean Management, Anna University, Chennai.

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## FOREWORD

India is endowed with rich and varied biodiversity of marine biota. The Gulf of Mannar which forms an important ecosystem along the Indian coast has been the focus of anthropogenic interferences and as a result attracted great deal of attention of scientific community. The development of marine fisheries in this ecosystem requires thorough knowledge on the relative abundance of various commercially exploitable shellfish, finfish and other organisms and their biology for designing appropriate management strategies for sustainable production, besides conserving the marine biodiversity. In order to document the information base on these aspects from the Gulf of Mannar in Tamil Nadu, an attempt is made here to compile all the published information and publish the same in the form of a special publication of the CMFRI. Literature on various subjects are included in 1938 references in the book. Dr. P. Nammalwar and Shri. V. Edwin Joseph who took up the onerous task, deserve all appreciation for bringing out this publication for the use of scientists, planners, resource managers and all others interested in the Gulf of Mannar region.

I have great pleasure in thanking the Department of Ocean Development, Govt. of India for sanctioning the project on **Development of GIS based information system for critical habitats in the coastal marine areas- collection of quantitative and qualitative data on fisheries- Gulf of Mannar**. This bibliography forms part of the investigation under the above project. In spite of the best efforts of the authors, there may be many references left out of this compilation which is not intentional. I am sure that this publication will be useful to the targeted end users.

**MOHAN JOSEPH MODAYIL**  
DIRECTOR

16 November, 2002  
Cochin

## PREFACE

The scientific staff of the Central Marine Fisheries Research Institute have been engaged in research on various aspects of marine fisheries, marine aquaculture and oceanography since the establishment of the Institute in 1947. The research results were published in the Institute's publications, such as Indian Journal of Fisheries, Bulletins, Special Publications, Marine Fisheries Information Service T & E Series, Annual Reports and also in the Journal of Marine Biological Association of India. Research papers have also been published in Indian and foreign journals and in the proceedings of several national and international symposia and seminars.

The scientific output of the Institute has greatly increased in recent years and the papers resulting out of the research efforts have also been widespread in different journals. Further, there have been several publications of the staff of the Institute and other research organisations on the Gulf of Mannar. However, except for earlier attempts in 1986, 1992 and 1998, there has not been any serious effort to bring together all the publications on Gulf of Mannar at one place. Such an endeavor, it is felt, would facilitate easy reference to the works on Gulf of Mannar for future use to the scientific community engaged in marine research. Therefore, in the present publication entitled **Bibliography of the Gulf of Mannar**, all the relevant literature has been compiled author-wise, subject-wise and in alphabetical order. In spite of the best efforts, there can still be some omissions. It should be possible to include such references at a later stage, when the bibliography is updated. It is earnestly hoped that this comprehensive volume of references would serve a useful purpose for the scientific community within this country and abroad. As part of the project on **Development of GIS based Information System for critical habitats in the coastal marine areas - collection of quantitative and qualitative data on fisheries- Gulf of Mannar**, work on the present publication was initiated during April, 1998.

I am extremely grateful to Dr. M. Devaraj and Dr. V. Narayana Pillai, former Directors of CMFRI for giving me the encouragement in preparing this bibliography during the implementation of this project on the Gulf of Mannar. Dr. Mohan Joseph Modayil, the present Director of CMFRI facilitated the publication of this work. I am thankful to him for his willing support and cooperation. Further, I place on records my high appreciation for the suggestions made by Dr. N.G. Menon, Dr. N.G.K. Pillai and Dr. N. Kaliaperumal for the improvement of this publication.

The Integrated Coastal Marine Area Management (ICMAM), Division of the Department of Ocean Development, Ministry of Science and Technology, Government of India, has been kind enough to support the project. I thank the project personnel, Shri. K. Dorairaj, Former Principal Scientist & Officer - in - charge, Madras Research Centre of CMFRI, Shri. K. Arunjunairajan, Dr. T. Jesi Selvarani, Senior Research Fellows and Shri.K. Balasubramanian, Technical Officer, Tuticorin Research Centre of CMFRI for putting up with difficulties during the fishery survey and for their assistance. Shri. V. Edwin Joseph, Technical Officer attached to the Library and Documentation section of the Mandapam Regional Centre of CMFRI assisted me in preparation of this bibliography. I place on record my appreciation for his sense of involvement and thank him for his unstinted support. I thank Dr. B.R. Subramanian, Project Director, ICMAM, Chennai under the Department of Ocean development, Government of India for encouragement throughout the course of this project investigation.

16 November, 2002  
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# CONTENTS

**Foreword**

**Preface**

<b>Introduction .....</b>	<b>1</b>
<b>Gulf of Mannar Maps .....</b>	<b>8</b>
<b>Bibliography.....</b>	<b>10</b>
<b>Additions .....</b>	<b>161</b>
<b>Author Index .....</b>	<b>170</b>
<b>Subject Index .....</b>	<b>195</b>

## INTRODUCTION

The Gulf of Mannar has a chain of 21 islands (area of each island : 0.95 to 130 ha) along the 140 km stretch between Tuticorin and Rameswaram (Lat 8°55'-9°15'N and Long 78°0'-79°16'E) (Figs.1&2). They have fringing coral reefs and patch reefs rising from shallower areas of sea-shore. Fringing reefs are located mostly at a distance of 50-100 m from the islands and are narrow. Patch reefs arise from depths of 3 to 5 fathoms and are 1-2 km in length with widths of as much as 50 meters. These coral reefs have a rich variety of food fishes and ornamental fishes of various dimensions, colours and designs. The Gulf of Mannar Marine Biosphere Reserve (GOMMBR) is the India's first Marine National Park. The Biosphere includes the microecosystems of coral reefs, rocks, seaweeds, seagrasses, each supporting its own characteristic community structures and zonations. The Gulf of Mannar Biosphere Reserve, is the last preserve of the dugong, the most endangered mammal on earth. The area of the Gulf of Mannar under the Indian EEZ is about 15,000 sq. km, where commercial fishing takesplace in about 5500 sq.km (upto 50 m depth). The depth of the Gulf of Mannar beyond the island chain ranged from 3.5 to 15 m with a precipitous fall giving oceanic condition to the coastal areas. This ecosystem supports a wide spectra of flora and fauna of taxonomic and economic importance. They comprise of 128 species of corals, 641 species of crustaceans, 731 species of molluscs, 441 species of finfishes, 147 species seaweeds and 52 species of seagrasses besides seasonally migratory marine mammals like whales, dolphins, porpoises, curious dugongs and all the species of turtles. This habitat holds vast patches of mangroves belonging to 9 species of vegetation along with the supporting fauna.

The Gulf of Mannar was severely exploited and the benethic habitat trampled in the fishing activity, curious collections and by other anthropogenic impact together with pollution caused by domestic and industrial wastes. All such activities severely affected both the habitat and biodiveristy which made the ecosystem imbalanced and invited the attention of policy makers and scientists to declare this habitat as a marine protected area (GOMMBR) thereby controlling and preventing excessive human interventions.

A large number of taxonomic, biological, ecological studies on coral reefs, mangroves, seaweeds, seagrasses, sponges, corals, gorgonids, polychaetes, crustaceans, bivalves, gastropods, echinoderms and fishes of the Gulf of Mannar have been made by the Central Marine Fisheries Research Institute and other organisations. The total marine fish landings (including crustaceans and molluscs) in the Gulf of Mannar during 1997 - 2001 fluctuated from 49813 t to 79089 t (CMFRI, 2001). In the total catch, the pelagics contributed 54.4%, demersal 34.9%, crustaceans 5.7% and the rest by molluscs. The production of 14t per km<sup>2</sup> from the Gulf of Mannar is much higher than the national average of 9 t per km<sup>2</sup>.

All the 21 islands in Gulf of Mannar can be classified into 4 major groups. They are Tuticorin group, Vembar group, Kilakarai group and Mandapam group. (i) Tuticorin group - 'Van Island', 'Kasurwar Island', 'Karaichalli Island', 'Vilanguchalli Island'. (ii) Vembar group-



'Upputhanni Island', 'Puluvunnichalli Island', 'Nallathanni Island', (iii) Kilakarai group - 'Anaipar Island', 'Vallimunai Island', 'Poovarasampatti Island', 'Appa Island', 'Thalaiyari Island', 'Valai Island', 'Mulli Island' (iv) Mandapam group - 'Muyal (Hare) Island', 'Manoli Island', 'Manoliputti Island', 'Poomarichan Island', 'Pallivasal Island', 'Krusadai Island', 'Shingle Island'.

The fish landing centres in the above four groups of the Gulf of Mannar islands from Tuticorin to Rameswaram are as follows: (i) Tuticorin Group-Keezha Vaipar, Sippikulam, Pattinamaruthur, Tharavaikulam, Vellapatti, Alangarathattu, Tuticorin North, Tuticorin Fishing Harbour, Tuticorin South, Tuticorin harbour Point. (ii) Vembar group - Valinokkam, Keezha Mundal, Mookaviyur, Narippaipur, Rasemanagar, Vembar. (iii) Kilakarai group - Periyapattinam, Kalumangundu, Pallivasalpadu, Sethukarai, Pakriyappadu, Kilakarai, Bharathinagar, Sadamunivasal, Chinna Ervadi, (iv) Mandapam group - Dhanushkodi point, Moondrurayar Chathiram, Othaiputti, Paradi, Thavukadu, Othathalai, Rameswaram Road (Thuraimugam), Naduthurai, Kadarsapadu, Pungamapadu, Kundakal Point, Chinnapalam, Thoppukadu, Pamban Therkuvadi, Thoruthurai, Mandapam, Vedalai, Seeniyappa Dharga, Pudumadam, Thalathoppu, Muliyanthoppu, Muthupettai.

The annual fish landings in the Tuticorin Group of islands ranged from 34, 199 t to 46,279 during 1997-2001; 3026 t 5556 t in the Vembar group of islands, 1981 t to 5973 t in the Kilakarai group of islands; and from 7024 t to 21,281 t in the Mandapam group of islands. All the islands of the Gulf of Mannar are uninhabited whereas tourists visit frequently these islands.

**(i) Tuticorin Group**

**1. Van Island**

This island is 6 kms away from Tuticorin with circumference of 2015 meters, with an area of 16.0 ha. This island is sandy with sparse vegetation of low bushes, mostly grasses and xerophytic plants.

**2. Kasuwar Island**

This island is 7 kms from Tuticorin with circumference of 2160 mtrs., with an area of 19.50 ha. The island is mainly sandy, with small sand dunes here and there, highly strewn with shingles; a few bushes here and there but devoid of trees. The whole island is covered with xerophytic vegetation. In the southwestern side of the island, live reef exists 500 meters away from the shore.

**3. Karaichalli Island**

This island is 15 kms away from Tuticorin with circumference of 1610 meters, with an area of 16.46 ha. Live coral reefs exist all around the island at a distance of 0.5 to 1 km.

**4. Vilanguchalli Island**

It is a very small island with a circumference of 614 meters and area of 0.95 ha. This island completely strewn with coral rubble with some bushes and grasses grouped towards middle of the island. Isolated patches of thin reef of corals are found along southeastern side of the island.

**(ii) Vembar Group**

**5. Upputhanni Island**

This island is about 29.94 ha. and is situated opposite to Mukayur village. This island can be reached by vallam (motorised canoe) in 25 minutes from this village. The island is 8 km away from Vembar. There are few trees here and there, with a number of tall bushes. The entire island is covered with grasses. Several fishermen from Naripaiyur camp here to quarry coral boulders buried in the centre of the island, thus disturbing the natural formation of corals in the island. They also camp here frequently for commercial exploitation of the seaweed *Gelidiella* sp. and *Gracilaria* sp.

**6. Pulumunnichalli Island**

This island is with 1372 meters circumference and a total area of 6.12 ha. This island is with a good sandy beach; fairly good portion of the island has thick vegetation. A few *Thespesia* trees are found on the eastern side of the island. This island is surrounded by live coral reef all round except for a small stretch on the eastern side.

**7. Nallathanni Island**

This island is 5 kms from Mundel and has a circumference of about 5000 meters with an area of 110 ha. One of the big islands containing about 4000 coconut trees, palmyrah and other woody trees. Coral reef and coral boulders are distributed all round the island at a distance of 0.5 km on the southern side and very near to northern shore.

**(iii) Kilakarai Group**

**8. Anaipar Island**

Anaipar is 15 km from Kilakarai and about 1600 meters circumference with 11 ha area. It is fully covered with tall shrubs and *Acacia* trees. Good amount of dead coral blocks are partly exposed on the southern shore upto a distance of 200 meters, with a good growth of seaweeds. Live coral reef is seen near western shore of the island upto a maximum distance of 200 meters from the shore.

**9. Vallimunai Island**

Vallimunai is 1889 meters in circumference with an area of 6.72 ha. and it is about 10 kms away from Kilakarai. This is a small linear island lying parallel to the mainland and connected to Thalayri island by a channel which is submerged during high tide.

**10. Poovarasampatti Island**

This is a narrow sandy flat (100m. x 25m) exposed during low tide and fully covered over by high tide water. It is misnomer to call this an island. It lies midway between Appa island and Valliamunai island. Live reef surrounds the area upto a distance of 100 meters, except on the northern approach. Apart from a few boulder type, corals occurring on the eastern side, the rest are branching type of corals which lie at depth of 1-2 meters. Collection of seaweed (*Celidrella* sp.) by fishermen is the only activity of interest here.

**11. Appa Island**

Appa island is 4840 meters in circumference with 28.63 ha area. It is about 8 kms away from Kilakarai. This island is traversed on the southern side by an intervening coral-stone strudded sandy flat which is flooded during high tide preventing easy accessibility from one end to the other. The southern island portion is highly elevated (6 meters), standing on fossilised coral stones of large dimensions. The northern portion, like other islands, has an elevation of only 2.5 meters from the spring tide level.

**12. Thalaiyari Island**

This is an extensive elongate island with 83.38 meters circumference. The total area of the island is about 75.15 ha. The broadest portion of the island is on the western tip of the island. The island is thickly covered with trees and cattle grazing meadows. There is a narrow strip of foreshore on the northern side and a restricted foreshore on the southern side. Live coral reef exists very close to the shore all along the length of island on the northern shore except for an area near northwestern edge. Continuous fringing reef exists for a distance of 0.75 km along the southern side.

**13. Valai Island**

It is a small linear island lying parallel to the mainland and connected to Thalaiyari island by a channel which is submerged during high tide. This island is with 1889 meters circumference and an area of 10.15 ha. The western side of northern shore has a good portion covered by boulder reef as well as branching corals. The southern reef is far out beyond the breather zone and lies at 3 meters depth.

**14. Mulli Island**

It is about 2000 meters in circumference with 10.20 ha area and it is 9 kms away from Kilakarai. It is a small, sandy island completely covered with tall shrubs and bushes with a swamp. Northside approach to the island is strudded with boulder reef. On the eastern side low fringing reef continues outward upto 3 meters depth. The southern reef is far outside at a distance of 1.25 km from the shore and extends west on the western side.

(iv) **Mandapam Group**

**15. Muyal (Hare) Island**

This is the largest of the islands in the fringing reef. It is 4 kilometers long with a width from 250 to 1800 meters. Total area is about 160 hectares. Human interference has made the vegetation and animal population different from that of other islands. Cattle, goats and monkeys are present in addition to the animal population of the islands of this area. Dense coconut gardens are found. Shore is sandy.

**16. Manoli Island**

Manoli island is about 2 kilometer long and 350 meters wide covering an area of 24 hectares, having a complex topography. The northern and southern beach ridges are separated by an area of *Thespesia* woodland. Pools and open mud flats are found. Shrubs and trees are found in large numbers in this island. Extensive coral reefs are present. Fishery, especially the "Kalankatti" fishery is regular during some seasons. In this fishery, net is spread during low tide; the fishes enter the enclosed area during high tide and get trapped during the next low tide. Seaweeds are collected from this island area. This island is 6 km from Mandapam. The creeks and pools of this island are rich in milkfish and mullet seeds. Large number of sea birds visit this island during March to September.

**17. ManoliPutti Island**

It is a very small island with an area of about 3 hectares. Extensive mud flats with a vast population of bushes are present. Patchy corals can be found around this island. From

this island, fishing is carried out during particular seasons. This island is 8 kilometers away from Mandapam.

**18. Pullivasal Island**

This island is the continuation of Krusadai island, cut off by a shallow stretch of water. Northern part is muddy and marshy. Eastern and southern shores are sandy. A continuous coral reef is projected into the sea from the southern shore. This forms an ideal shelter for an array of animal life, making this island an area of biological interest. The name of the island is derived from the word "Pallivasal" which means mosque. The area of the island is about 30 hectares. Thickly wooded jungle adds an attraction to this island. Occasionally fishing is carried out from this island. Potable water is available in this island. It is about 7 kilometers from Mandapam.

**19. Poomarichan Island**

This island covers an area of about 18 hectares. The soil of this island is marshy. Thickly wooded jungle is spread over the island. The water area encloses a continuous reef. This island is about 4 kilometers away from Mandapam.

**20. Krusadai Island**

This is generally called as the biologist's paradise, because of the richness of variety of fauna and flora. Large number of students and zoologists visit this island. Seaward beach ridges have a diverse vegetation of grasses and sedges. Mangrove woodland is extensive on the north coast. Many ornamental species of plants were introduced in this island. The area of this island is about 66 hectares. Generally, no fishing activity takes place around this island. Field rats, birds, moths, beetles and garden lizards are the main inhabitants of this island. The Marine Biological Station (Tamil Nadu State Fisheries Department) which is at present functioning at Mandapam was established in this island and carrying out valuable service to the cause of fisheries research in this area. Hydrobiology of the island has been regularly studied and recorded. Experiments on milkfish culture, oyster culture and seaweed culture were also attempted. At present, pearl oyster culture is attempted with a view of commercialising the activity. The western end of the island is full of mangrove trees and other vegetations. The coral beds of these islands are well suited for biological habitats. Several groups of animals find their shelter in this ecological niche. West of this coral bed, growth of sponges is found. The rare hemichordate *Balanoglossus* sp. was recorded from this island. Coconut trees are found in this island. This island is 4 km away from Pamban. The irrational exploitation of the rare flora and fauna from this island has already caused severe environmental biodiversity problems.

## 21. Shingle island

Shingle island has an area of 13 hectares. Northwest shore is sandy and slopes rapidly down into moderately deep waters. It has higher steeping beaches than other islands. According to Gravely *et al.* (1927) it consisted of two separate islands in 1878 and then formed the present Shingle island between 1920-27. Northeastern shore of this island is also sandy. Here, we can find a large variety of living corals of beautiful shape and colour. Southwestern shore is full of dead corals offering shelter for a rich variety of interesting fauna. In the past, Singhalese fishermen used to land here and stayed during their fishing operations. So it was called "Singala thivu", which was later called as 'Shingle tivu'. This island is fully covered with bushes and trees. Sometime back, coral removal for commercial purpose was going on in this island. No fishing activities were found in this island now. This island is 8 km away from Pamban.

Functioning as a marine national park since 1989, the Gulf of Mannar is a fragile ecosystem. Many conservation measures have been adopted, but the area continues as a traditional source of livelihood for people living along the coastline. The sensitive nature of the problem has called for management measures that recognise the needs of the people while, at the same time, control the over-exploitation of the environment. The need for special management and conservation strategies to preserve the biological wealth in the Gulf of Mannar, led the biosphere reserve to be selected as one of the few national sites for a detailed study.

Since 1991, the Tamil Nadu Forest Department has taken over all but one of the 21 islands which fall within the park, a couple from private hands. One island (Krusadai) still remains with the State Fisheries Department. Over the years, the Forest Department has made some headway in protecting the area. A considerable check has been introduced on the illicit removal of coral. Rich in calcium carbonate, coral extraction was rampant when it was being procured by a couple of nearby large industries for their manufacturing processes. These companies have been persuaded to source their requirements of calcium carbonate from elsewhere.

Trawling activity which results in the destruction of both flora and fauna, has also had an impact on the sacred chank beds. Efforts have been made to make local fishermen aware of the need to protect it.

Despite the widespread interest around the globe to conserve fragile biodiversity regions like the Gulf of Mannar, no systematic efforts have been made to compile the list of publications of the Gulf of Mannar. The present compilation is intended to create awareness on the relevance and importance of the biosphere among the scientific community, policy planners and public.

FIG. 1. MAP SHOWING GULF OF MANNAR AND PALK BAY

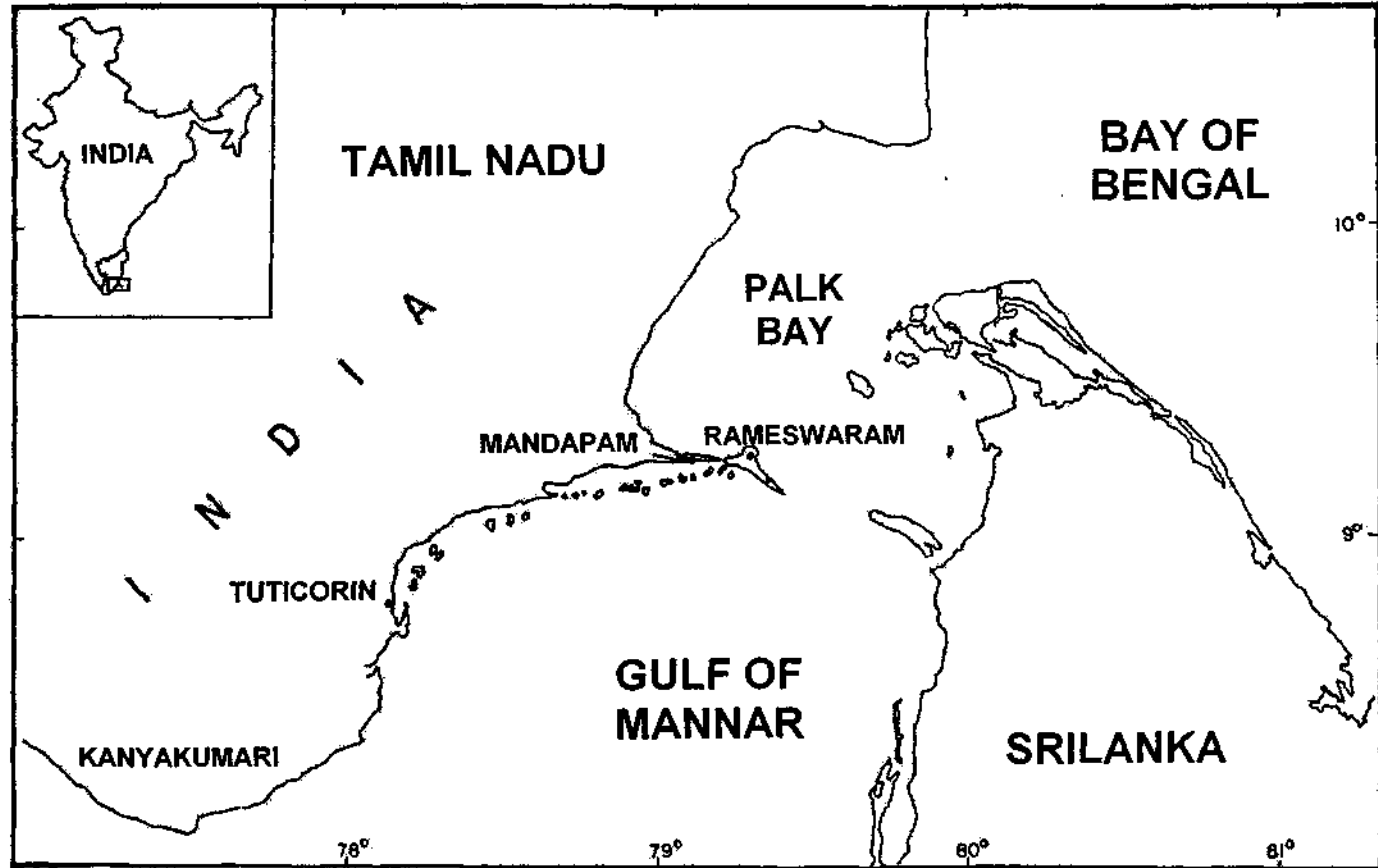
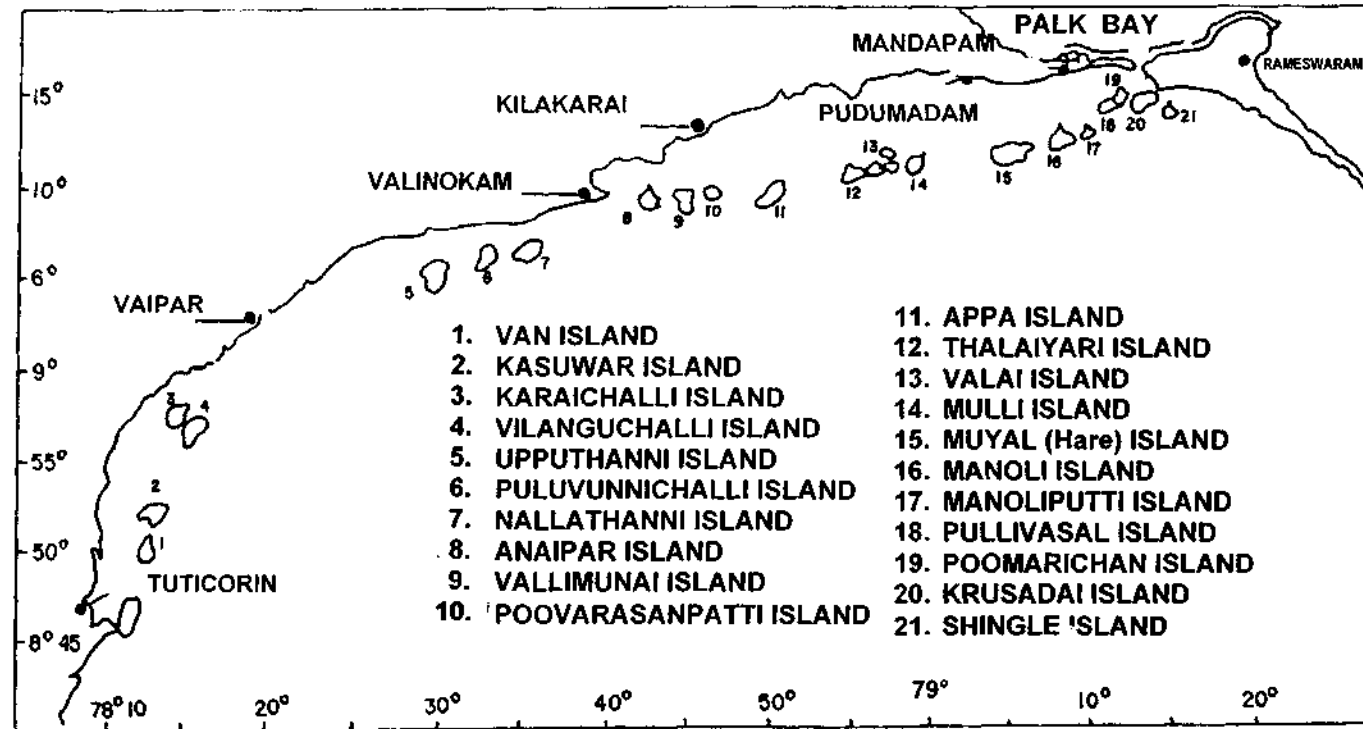


FIG. 2. MAP SHOWING GULF OF MANNAR ISLANDS





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**AUTHOR INDEX**

Abraham	1649	Anand, T. Prem	46, 47, 1853, 1854, 1868
Achari, G.P. Kumaraswamy	1, 2	Anandan, J.	43
Achuthankutty, C.T	3	Anandan, K.	328
Adolph, Clement	4, 593, 1029	Anandasekaran, A.S.M.	1520, 1605
Agastheesapillai, A	5,6,7	Anandharaman, P.	758
Aggarwal, K.R.	1414, 1415, 1416	Anathanarayanan, R.	48
Ajmalkhan, S	654, 655, 656, 657, 658, 662, 664, 665, 666, 667, 1322	Angusamy, N.	49, 1760
Alagaraja, K.	8,9,10,1171	Anilkumar, R.	952, 1890
Alagarswami, K.	11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 617, 637, 692, 1379, 1380, 1860	Anjaneyulu, A.S.R.	51
Alavandi, Shankar, V.	991	Annam, V.P.	52
Ali, D.M.	413	Anon	53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 1852, 1855
Alikunhi, K.	40, 41, 42	Antony, Geetha	400, 1068, 1870, 1871, 1887, 1888, 1889, 1890, 1896
Amanullah, B.	1912, 1920	Apparao, T.	998
Ambalavanan, S.	949	Appukuttan, K.K.	69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 1008, 1025, 1033, 1034, 1041, 1152, 1201, 1742
Ambrose, J.D.	1188	Arora, H.L.	79
Anand, M.	43, 641	Arputharaj, M.R.	700, 917, 923, 1883, 1884, 1904, 1932
Anand, P.E. Vijay	44, 1164		
Anand, Rajeswari, M.	45		

Arunugam, G.	80, 81, 82, 83, 84, 85, 86, 87, 121, 122, 123, 143, 144, 145, 146, 147, 148, 149, 150, 152, 153, 447, 455, 608, 946, 1286	Balakrishnan, S.	111
Arunachalam, S.	88	Balan, B.	112
Asir Ramesh, D.	89, 90, 91, 92,	Balasingh, G.S. Rajini	113
Awati, P.R.	93, 94	Balasubramanian, T.	114, 828, 1492, 1493, 1844
Ayyakkannu, K.	95, 96, 97, 98, 155, 363, 364, 365, 367, 711, 1249, 1250, 1263, 1340, 1341, 1342, 1612, 1613, 1614, 1615, 1900, 1901 1993, 1934, 1935, 1936	Balasubramanian, T.S.	83, 84, 85, 86, 87, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 152, 437, 770, 771, 772, 774, 775, 776, 778, 946, 1286, 1287, 1288, 1289, 1290, 1291,
Azariah, J.	99, 100	Bande, V.N.	962
Babu, S.	766	Banse, Karl	128
Badrudeen, M.	101, 102, 103, 104, 105, 548, 549, 587, 588, 589, 590, 591, 604, 765, 875, 1024, 1178, 1179, 1189, 1808, 1809, 1837	Banumathi, R.	129, 1623
Bai, M.Mary	106	Bapat, V.	130
Bakus, G.J.	107	Barlow, E.W.	131
Bal, D.V.	348	Baschieri - Salvadori, F	132 1435, 1436
Balachandran, S.	108, 109	Basker, B.K.	133, 176, 550, 553, 554, 592
Balachandran, V.K.	1030	Bastin Fernando, A	33, 105, 134, 173, 693, 1260, 1261, 1532, 1533
Balakrishnan, G.	328, 1171	Batcha, Hameed	135
Balakrishnan, K.	949	Beddome, R.H.	136
Balakrishnan, M.S.	110	Bell, F.J.	137, 476
		Benjamin, R.E.	1464

---

Bennet P. Sam.	138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 773, 914	194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 294, 295, 296, 297, 298, 299, 1330, 1782
Benny, A	155	
Bensam, P.	33, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 605, 1042, 1508, 1509, 1856	Chakraborty, S.K. 998
Bhat, G.Subramaniya	409	Chandrasekharan, Freda 222, 223, 224, 225, 226, 227
Bhimachar	1035	Chandrasekar, N. 1857
Biabani, M.A. Farooq	1828	Chandrika, V 228
Bierhuizen, Barbara	177	Chari, S.T. 229, 230, 231
Boergesan, F 178, 179, 180, 181		Chellam, A. 23, 24, 34, 35, 36, 37, 38, 39, 120, 151, 233, 234, 235, 236, 237, 238, 239, 240, 241, 325, 327, 1047, 1801, 1835, 1838, 1839, 1840, 1841, 1891
Bose, M. 182, 183, 638, 639, 782, 874, 943, 1064, 1189, 1190, 1696		Chellappan, C 221
Bose, S. Victor Chandra 225		Chellappa, D. Edward 242
Bourne, G.C. 184		Chellappa, M. 83, 84
Bruin, G.H.P. 1591		Chennapaayya, A 243
Burton, E.S. 185		Chennubhotla, V.S.K. 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 607, 726, 728, 733, 735, 736 737, 738, 739, 740, 741, 752, 1317, 1545, 1617
Burton, M. 186, 187		Chidambaram, K. 262, 263, 264, 265, 266, 267, 268, 269, 270, 300, 301
Calman, W.T. 188		
Carpenter, G.H. 189		
Carter, H.J. 190, 191		
Chacko, P.I. 192, 193,		

---

Chitra, G.	1840, 1841	Devaraj, M.	305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 1370, 1451, 1651, 1804, 1810, 1825
Choodamani, N.V.	291		
Chopra, B	271	Devi, D. Ganga	319, 320, 321
CMFRI	272, 273, 274, 275	Devi, L. Prabha	964
Collett, O	276	Devi, S.K. Chitra Lakha,	1858
CSMCRI	273, 274, 275	Dhandapani, P.	322
Daniel, A.	277, 278	Dharmaraj, K.	323, 1014, 1015,
Daniel, C.J.	279, 280	Dharmaraj, S.	34, 35, 36, 37, 38, 39, 237, 238, 239, 240, 241, 324, 325, 326, 327, 1801, 1835, 1838, 1839, 1860
Das, Indrani	281	Dharmaraja, S.K.	52, 328, 349, 350, 351, 352, 892, 1256, 1546
David, Kanagaraj	1301	Diwakar, K.	329
David, V.	1368	Diwan, A.D.	103, 873
Deepa, C.V.	1859	Donnon, J	330
Deer, P.K.	282	Dorairaj, K.	331, 332, 333, 334, 335, 336, 337, 338, 387 1044, 1163, 1363, 1381, 1423, 1810
Dendy, A	283, 284, 285	Durairaj, S.	288
Desai, B.N.	286	Durairatnam, M.	339, 340, 341, 342, 343
Deshmukh, S.	287	Durve, V.S.	345, 346, 347 348, 349, 350, 351, 352, 353, 354, 1237
Dev, Daniel. S.	288, 289, 290, 505, 668, 1010, 1052, 1208, 1694		
Devadoss, D.D.P.	291		
Devadoss, G.G.M.	1124, 1125		
Devadoss, P	292		
Devanesan, D.W.	293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304		

---

Dwivedi, S.N.	355	Foote, R.B.	376, 377
Eashwar, M.	949	Ganapathi, A.,	378, 379, 380, 381
Easterson, D.C.V.	119, 356, 357, 358, 359, 360, 361, 944, 1082, 1095, 1857, 1862, 1877	Ganapathi, P.N.	382, 383
Ebenazar, A. Silas	362	Ganapathy, R.	1810
Ebenezer, I.P.	672, 673, 674, 675, 676	Gandhi, A.	183, 384
Edward, J.K. Patterson	47, 91, 363, 364, 365, 366, 367, 999, 1322, 1341, 1489, 1490, 1491, 1853, 1854, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1879, 1906, 1910, 1919	Gandhi, A.D.	38, 39, 241, 552, 1070, 1096, 1097, 1099, 1101, 1297, 1577
Egbert, Dawson	1534	Gandhi, V.	175, 338, 385, 386, 387, 448, 616, 867, 981, 1423, 1550
Enrose, M.	1577	Ganesan, M.	388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 1787, 1788
Eswaran, C.R.	368	Ganesan, R.	219, 1127
Eswaran, K.	369, 370, 396	Ganesh, P. Jai	1278
Fahy, E	1351	Gardiner, J.S.	399
FAO	371	George, K.C.	401, 402, 606, 618
Farren, G.P.	372	George, K.V.	353, 354
Fauvel, P.	373, 374	George, M.J.	403, 404, 405, 978
Ferando, C.H.	504	George, P.C.	406
Fernando, A. Bastin	33, 105, 134, 173, 693, 1260, 1261, 1532, 1533	George, Rani Mary	1740
Fernando, A.D.	1839	George, S.	207
Fernando, S. Ambrose	375		

Gillet, F. P.	407	Gupta, N.K.	434
Girija, S.	1018	Gupta, M.G.	815
Girjavallaban, K.G.	408, 409	Gurmani, O.N.	435
Gnanamuthu, C.P.	410, 411,	Gurumani, O	1016
Gokhale, S.V.	412	Gurusamy, R.	436, 437, 438, 1464
Gopakumar, G.	1573	Haja Najmudeen, S.	328, 1512
Gopakumar, K.	1017	Haldar, B.P.	278
Gopal, B.V.	1631	Hameed, P. Shahul	1592
Gopalakrishnan, K.	413	Hamsa, K.M.S. Ameer	124, 125, 126, 127, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 769, 772, 773, 774, 777, 778, 914, 945, 946, 1288, 1289, 1290, 1291, 1566, 1567, 1811
Gopalakrishnan, P.	1803	Hemalatha, M.	1639
Gopinath, K	915	Henderson, W.D.	1750
Gopinathan, C.P.	414, 415, 416, 417, 554, 940, 1096, 1097, 1101, 1297	Herdman, J.B.	476
Goshi, Y.A.	1624	Herdman, W.A.	457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476
Govindan, T.K.	418, 419	Hickson, S.J.	477, 478
Govindasamy, C	397, 398	Higa, Tatasuo	1858
Grace Mathew	420, 421	Hog, M.E.	479
Gravelly, F.H.	422, 423, 424, 425, 426, 427, 428, 429, 430		
Gray, J.E.	431		
Gunasekaran, A	432		
Gunasekaran, C	433		

Hornell, J.	474, 475, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 1517, 1518, 1519	James, D.B.	517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 594, 595, 695, 946, 1278
Hoyle, W.E.	493		
Hussain, M.J. Zahir	1001		
Hussain, S.M.	494, 495, 496, 930	James, P.S.B.R.	176, 551, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618
Iacol, P.G.	497		
Ignatious, Bobby	498, 499, 500, 501, 1047, 1840, 1841, 1891		
Immanuel, Sheela	502		
Indrasenan, A.	503		
Ingle, R.W.	504		
Irulandy, S.M.	505, 1052	James, R.	619, 787
Iyengar, M.O.P.	506, 507, 508, 509, 510, 511	Jameson, J.D.	620
Iyer, K.M.	512	Jamila, Patterson	1860, 1862
Iyer, T.S. G.	1017	Jasmine, G. Indira	1796, 621, 622, 1931
Jacob, P.G.	513, 514	Jasmine, S.	1153, 1154
Jacob, Rani Mary	409	Jawahar, T	1649
Jacob, T.	618	Jayabalan, K.	874, 1833
Jagadish, I.	499, 500, 501, 515, 1305, 1840, 1841	Jayabaskaran, R.	92, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 1339, 1814
James, C. Merrylal	516		

---

Jayabalan, N.	1173	Joel, Jacob Jerold	670, 671, 672, 673, 674, 675, 676, 869
Jayaprakash, A.A.	624, 943, 1063, 1192, 1409	John, M.E.	703
Jayaraju, N.	625	John, George	677
Jayaraman, R.	626, 1223	Johny, P.K.	1461
Jayasankar, P.	25, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 1932	Jones, S.	678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698
Jayasankar, Reeta	260, 642, 643, 644, 645, 646, 647, 648	Jose, Josileen	699, 700
Jayaseeli, Antony Amala	649, 1872	Joseph, G. Loviah	702
Jayasree, V.	650	Joseph, K.C.	701
Jegannath, N.	651	Joseph, K.J.	1030
Jegatheesan, G.	622, 1603, 1658, 1795	Joseph, K.M.	703
Jesuraj, N.	1839	Joseph, M. Mohan	704, 705, 706, 707, 708, 709, 710
Jeyabaskaran, Y.	668, 1050, 1051, 1052,	Joseph, P.J.	1571
Jeyachandran, P.	621, 623, 1649	Joseph, V. Edwin	604
Jeyagopal, K.	803	Joslet Mathew	1873
Jeyakumar, K	825, 826	Kadri, E.S.	786
Jeyaseelan, M.J. Prince	1438	Kagoo, I. Emerson	711
Jeyasekaran, G.	623	Kagwade, P.V.	712, 713
Job, S.V.	669	Kaladharan, P.	714, 715



Kaliaperumal,N.	105, 175, 244, 245, 246, 247, 248, 251, 252, 253, 254, 255, 257, 258, 259, 260, 261, 648, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 43, 744, 748, 749, 750, 751, 752, 1317, 1404, 1545, 1617, 1874	Kasim, H.Mohammed	124, 125, 126, 127, 417, 438, 450, 451, 452, 454, 455, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 914, 944, 945, 946, 1288, 1289, 1290, 1291, 1457
Kalimuthu,S.	175, 244, 245, 246, 247, 248, 249, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 720, 721, 722, 723, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 745, 746, 747, 748, 749, 750, 751, 752, 1317, 1535, 1617	Kasinathan,C.	105, 624, 779, 780, 781, 782, 783, 873, 1062, 1063, 1064, 1181, 1182, 1183, 1184, 1185, 1186, 1191, 1192, 1837,1932
Kamasastri, P.V.	1792, 1793	Kasinathan,R.	948, 1322
Kandasami,D.	326, 335, 336, 337, 359, 499, 500, 501, 753, 754, 944, 1047, 1305, 1836, 1840, 1841, 1860, 1861, 1862, 1875, 1876, 1877, 1891, 1895	Kathiresan,K.	757, 784
Kannan,L.	389, 390, 391, 392, 397, 398, 755, 756, 757, 758, 759, 761, 762, 1640	Kewalramani,K.M.	785, 786
Kannan,R.	397, 398, 759, 1880	Khaneer,K.M.A. Nazeemul	787
Kannapiram,E.	760, 761, 762	Khan,M. Zaffar	991, 1573
Karpagam,G.	1337	Kingston,S.D.	788, 789
Kartha,K.N.K.	763, 764, 1224	Kirkham,J.C.	1600
Karthikeyan,M.	328, 765	Korringa, P.	1878
Karunagaran,V.M.	766	Kripa,V.	708
		Krishnamurthy,B.	790, 791
		Krishnamurthy,K.	792, 1634
		Krishnamurthy,K.V.	111
		Krishnamurthy,M.S.	968, 1641
		Krishnamurthy,P.	793, 794
		Krishnamurthy,S.	435, 1051

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Krishnamurthy, V.	709, 796, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 1312, 1628	Kurian, M.J.	838
Krishnan, A.	26	Kuriyan, G.K.	263, 264, 265, 832, 833, 834, 835, 836, 837
Krishnan, K.S.	1697	Kuthalingam, M.D.K.	292, 839, 1657
Krishnaswami, S.	811, 812, 813, 814	Kutty, M. Narayanan	449, 840, 846, 1412
Krishnamurthy, R.	795, 1318, 1908	Laidlaw, F.F.	841
Kulandaivelu, G.	645	Lakshmana, K.K.	842, 843, 844, 845
Kulshreshtha, S.M.	815	Lakshminarayan, A.	846
Kumar, K.V. Sunil	991	Lal, K.K.	1882
Kumar, N.V. Vinith.	828, 1844	Lali, G.	1899
Kumar, S. Ravi,	1592	Lalmohan, R.S.	596, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 1036, 1037, 1043, 1161
Kumar, S.S	816	Lauwrie, R. Douglas	868
Kumar, V.	930	Lazarus, S.	154, 608, 869, 1255, 1280, 1428, 1429, 1430
Kumar, Venkataraman	817, 818, 819	Leelambika, B.	968
Kumaraguru, A.K.	820, 821, 822, 823, 824, 825, 826, 1880	Lipton, A.P.	870, 871, 872, 873, 874, 1064, 1187
Kumaran, M.	1385, 1386	Livingston, P.	839, 997, 1062, 1410, 1573
Kumaran, P.L.	1881	Loveson, V.J.	1281, 1470
Kumaresan, S.	115, 827, 828, 1844		
Kunjipalu, K.K.	829		
Kuppusamy, R.	830, 831		

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Luther, G.	154, 839, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 1029	Manikandavelu, D.	788,925,
Lyla, P.S.	659, 664, 665, 666, 667	Manimaran, B.	926, 1885
Madhu, S.R.	893	Manisseri, K. Mary	927, 928, 929
Madhupratap, M.	3	Manivannan, V.	495, 496, 819, 930
Mahadevan, S.	208, 219, 291, 360, 696, 894, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 1083, 1084, 1085, 1086, 1087, 1089, 1090, 1091, 1092, 1093, 1100, 1346, 1547, 1815	Manjusha, M.	931, 1844
Mahalingam, R.	915	Manthiramurthy, S.	619
Maheswarudu, G.	916, 917, 1064, 1883, 1884, 1904	Mariaselvam, M.	1510
Mairh, O.P.	370, 394, 395, 396, 1788	Marichamy, R.	169, 409, 776, 778, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 976, 1042, 1063, 1563, 1564, 1573, 1894, 1895,1932
Mal, T.K.	919, 920, 1617	Markham, C.R.	947
Malik, T.K.	918	Maruthamuthu, S.	948, 949
Mammen, T.A.	921	Maruthanayagam, C.	950, 951
Manickam, P.E.S.	917, 922, 923, 1166	Mary, P.D.	1424
Manickam, S.T.	949	Masilamani, V.	1592, 1863, 1870, 1871, 1875, 1908, 1913, 1914
Manickaraja, M.	924, 941, 946, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276	Mathew, C.V.	409
		Mathew, K.J.	400, 409, 618, 952, 1068, 1870, 1871, 1886, 1887, 1888, 1889, 1890, 1896, 1897, 1907
		Medcof, J.C.	343
		Meenakshisundaram, P.T.	614
		Meiyappan, M.M.	27, 28, 1549, 1551, 1552

---

Menon, A.G.K.	965, 990		1333, 1334
Menon, N. Gopinatha	170, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964	Mukhopadhey, S.K.	986
		Mukkerjee, A.K.	1414, 1415, 1416
Menon, K. Ramani	967	Mukundan, C.	987
Menon, M.G.K.	966	Muley, E.V.	1869
Menon, V. Sarojini	968	Muniyandi, K.	175, 260, 329, 739, 740, 1059, 1317, 1617
Mergner, H.	969	Muralidharan, J.	988
Mishra, A.	1410	Murthy, A.V.S.	991
Mishra, Swati	970	Murthy, P.S.Sambanda	989
Mitra, G.N.	971, 972	Murthy, T.S.N.	990
Mittal, P.K.	973, 974, 975	Murthy, V.Sriramachandra	839, 992, 993, 994, 995, 996, 997, 998, 1295
Mohamed, H.E. Syed	1914	Murugan, A.	367, 620, 999, 1263, 1342, 1452, 1614, 1933
Mohamed, K.H.	404, 976, 978	Murugapoopathy, G.	840
Mohamed, T.A.M. Habib	977	Murugesan, A.G.	1001, 1203, 1337
Mohammed, O.M.M.J.Habeeb	979	Muthiah, C.	963
Mohan, S.	1076, 1876, 1883, 1884	Muthiah, K.	1002, 1003
Mohanachandran, G.	980	Muthiah, P.	77, 120, 238, 754, 912, 1004, 1005, 1006, 1007, 1008, 1070, 1071, 1093, 1094, 1098, 1292, 1298, 1367,
Mohanraj, G.	338, 386, 387, 613, 615, 616, 981, 1057, 1058, 1423, 1550	Muthu, M.S.	976
Mohapatra, B.C.	1421	Muthu, Sathiavani	1009
Moses, S.T.	982, 983, 984, 985		
Mukesh M.V.	1331, 1332,		

Muthuramakshmi, M.	787	Najmuddin, M.	250, 256, 257, 258, 259, 456, 597, 737, 1046, 1317
Muthuraman, A.L.	289, 290, 1010	Najmuddin, T.M.	1047, 1891
Muthusamy, S.	1573	Nalini, K.P.	1048
Nadimuthu, M.	1011	Nalluchinnappan, I.	668, 1049, 1050, 1051, 1052
Nagabhushanam, R.	382	Nammalwar, P.	318, 453, 456, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1695, 1811, 1892, 1893, 1894, 1895, 1932
Nagulan, V.R.	1631	Nandakumar, G.	1038, 1045, 1065, 1066, 1067, 1665
Nair, K.Ramachandran	409, 669	Naomi, T.S.	400, 409, 952, 1068, 1870, 1871, 1887, 1888, 1889, 1890, 1896, 1897
Nair, K.R.M.	1166, 1664	Narasimham, K.A.	29, 598, 609, 614, 1069, 1070, 1071
Nair, K.V. Somasekharan	998, 1019	Narayanan, K.	1060
Nair, M.K.R.	1018	Narayanan, K.R.	1072
Nair, M. Rajendranathan	1198	Natarajan, A.V.	1073
Nair, M.R.P.	1628, 1631	Natarajan, P.	620, 1074, 1075, 1076, 1077, 1262, 1367, 1657
Nair, N. Balakrishnan	323, 1012, 1013, 1014, 1015, 1016	Nayar, K. Nagappan,	900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 1005, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092,
Nair, N.R.	210, 211		
Nair, P.N. Radhakrishnan	1020, 1021, 1022, 1023, 1024, 1025, 1366		
Nair, P.V.Ramachandran	251, 1026, 1027, 1028, 1029, 1030, 1155, 1225, 1226, 1227, 1228, 1236		
Nair, R.V.	1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045		
Nair, S.R. Sreekumaran	3		
Nair, T. Vasudevan	319, 320, 321, 1590		

	1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1547	Parida, Ajay	1126
		Parthasarathy, N.	1127
Neethiselvan, N.	1102, 1103, 1898	Parulekar, A.H.	650
Nelson, E. Steemann	1104	Parulekher, D.J.	1351
Nevill, G.	1105, 1106	Patterson, Jamila,	366, 1442, 1443, 1444, 1445, 1514, 1515, 1902, 1903, 1910, 1934
Nevill, H.	1105, 1106	Paul Pandian, A.L.	92, 663
Nichol, J.	1107	Paulraj, R.	1862, 1877
Noble, A.	1108	Paulraj Samuel	1875
Padmakumar, K.	1858, 1859, 1899, 1900, 1901	Pavithran, P.P.	1886
Pai, M.V.	1109, 1110	Pearson, J.	1128, 1129, 1130
Palaniappan, M.K.	1863, 1908	Perumal, M.C.	1131
Palanichamy, A.	1111	Pillai, C. Malu	209, 218, 220, 226, 1133, 1134, 1135
Palaniswamy, R.	552, 1113, 1114	Pillai, C.S.G.	228, 1025, 1028, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1616
Palanisamy, S.	1076, 1876, 1932	Pillai, K.K.	1160
Palaniswamy, S.	1115	Pillai, Kumara	1536
Pandian, G.	724	Pillai, N.G.K.	44, 606, 765, 991, 1162, 1163 1164, 1165, 1573
Pandian, P.P.	413	Pillai, N.Neelakanta	1166, 1883, 1884
Panigrahy, R.	256		
Panikkar, K.K.	1462, 1463		
Panikkar, N.K.	1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123,		
Paramasivan, M.	1124, 1125		

Pillai, P.K.Mahadevan	104, 168, 174, 1109, 1110, 1168, 1169, 1170, 1171, 1172, 1173, 1696, 1697	Prasad, C.J.	328
Pillai, P.P.	362, 1167, 1537, 1538, 1539, 1540, 1548	Prasad, N.K.	1209
Pillai, S.B.	100	Prasad, R.Raghu	1120, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237
Pillai, S.Krishna	105, 409, 605, 640, 738, 740, 741, 872, 1064, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1261, 1576, 1892, 1893	Pratt, E.M.	1239
Pillai, S.Lakshmi	1277, 1278, 1279	Preeja, N.B.	1333, 1334
Pillai, V.K.	512, 1132, 1193, 1194, 1195, 1196, 1197, 1198, 1236	Premanand, T.	1491
Pillai, V. Kunjukrishna	105	Premchand, S.A.	1588
Pillai, V.N.	599, 618, 1199, 1200, 1201	Preston, H.B.	1240
Pillay, K.S.	1202	Prosper, A.	675, 676
Ponnuraj, M.	1203	Purushothaman, A.	757, 762, 1242
Poovannan, P,	1367, 1696, 1697	Purvaja, G.R.	1243
Prabhu, M.S.	1205, 1206	Qasim, S.Z.	30, 31, 1244, 1245
Pradhan, L.B.	1207	Radhakrishnan, E.V.	1883, 1884, 1904
Pragasam, B.	1208	Radhakrishnan, N.	668, 1302
Prasad, B.	1238	Raghavan, R.	1827
		Raghu, R.	1019
		Ragothaman, V.	495, 496, 930
		Ragunathan, C.	1249, 1250
		Ragunathan, M.B.	1248

Ragunathan, Seena	1251	Rajapackiam, S.	85, 86, 87, 121, 122, 123, 124, 125, 126, 127, 408, 454, 774, 775, 776, 777, 937, 938, 939, 941, 944, 945, 946, 979, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291
Rahman, A. Abdul	977	Rajapandian, M.E.	33, 553, 554, 942, 1008, 1041, 1094, 1095, 1096, 1097, 1098, 1099, 1101, 1113, 1283, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299
Rahim, A	212	Rajasekharan, K.N.	1858
Rahman, M.K.	1520, 1604, 1605	Raje, S.G.	998
Rai, H.S.	94	Rajendran, A.	1115
Raj, B.Sundara	1253, 1254	Rajendran, A.D.I.	213, 226, 227, 270, 291, 1300, 1301, 1302
Raja, B.T. Antony	1255	Rajendran, I	1303, 1305
Raja, S.K. Dharma	1256	Rajendran, K.	397, 398
Rajagopal, K.V.	1257	Rajendran, N.	784
Rajagopal, S.	1322	Rajendran, R.B.	766
Rajagopalan, G.	1418	Rajeswari, M.	842, 843, 844, 845
Rajagopalan, M.	1061, 1258, 1259, 1260, 1261	Rajkumar, M.	1841
Rajagopalan, M.S.	417, 617, 618, 740, 1541, 1548, 1886	Rajkumar, P.	1588
Rajagopalsamy, C.B.T.	621, 622, 1262	Rajkumar, T.	98, 1263, 1615
Rajamani, M.	153, 946, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280	Raju, A.	175, 338, 387, 610, 613, 615, 616, 981, 1063, 1304, 1305, 1423
Rajamarickam, G.V.	49, 50, 1281, 1470, 1760, 1785, 1929	Raju, P.V.	808, 809
Rajan, C.T.	1282, 1283, 1293, 1294, 1364, 1367		
Rajan, K.N.	1665		
Rajan, V.	1839		



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Raju, G.	1306	Ramanathan, V.	1319
Raju, K.V.S.	51	Ramanujam, N.	1331, 1332, 1333, 1334
Ramachandran, S.	795, 1318, 1924, 1925, 1926, 1927, 1928	Ramanujam, S.G.M.	1335
Ramadhas, V.	925, 926, 1451, 1885, 1930, 1931	Rama Rao, K.	261, 393, 710, 738, 739, 740, 741, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1617, 1630, 1631
Ramadoss, K.	78, 172, 1006, 1008, 1077, 1100, 1172, 1299, 1320, 1364, 1655, 1741, 1742	Ramasamy, M.S.	1336, 1905
Ramaiyan, V.	662, 1321, 1322	Ramasankar, R.	1337, 1338
Ramakrishnan, A	700, 1883, 1884, 1904	Ramesh, R.	1906
Ramalingam, J.R.	175, 250, 252, 253, 254, 255, 257, 258, 259, 260, 261, 646, 648, 715, 727, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 871, 874, 1317, 1325, 1617	Ramesh, R.	1243
Ramalingam, K.	1323, 1324	Ramesh, M.X.	1340, 1341, 1342
Ramamirtham, C.P.	1326, 1327	Ramkumar, R.K.	1488
Ramamurthy, K.	1127, 1328	Rangarajan, K.	913, 1343, 1345, 1346, 1347, 1546
Ramamurthy, N.	624, 647, 783, 943, 1062, 1063, 1064, 1191, 1192, 1305, 1409, 1836, 1837	Rangaswami, G.	1344
Ramanadan, R.	1330	Rao, B.R.	1348
Ramanathan, K.	1842	Rao, C.B.	1351
Ramanathan, K.R.	510, 511	Rao, C.A. Padmanabha	1349, 1350
Ramanathan, N.	1329, 1818, 1824	Rao, C.R.N.	1352
		Rao, D.V.	1351
		Rao, G. Sudhakar	1411
		Rao, G.Syda	1370

---

---

Rao, K. Krishna	1784	Rao, T. Ananda	1414, 1415, 1416
Rao, K.P.	1353	Rathore, Gaurav	499, 500, 501
Rao, K. Prabhakara	1354, 1355, 1383	Ratnasamy, N.	1279
Rao, K.S.	609, 1043, 1100, 1101, 1298, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1384, 1553, 1566, 1567	Ravi Chandran, V.	317
Rao, K.V. Narayana	617, 1385, 1386	Ravikala	1907
Rao, K.V. Rama	1387	Ravikumar, K.	1127
Rao, K. Virabhadra	1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384	Ravikumar, S.	1510, 1908, 1914, 1922
Rao, M. Umamaheswara	725, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404	Ray, S.B.	1418
Rao, M.J.	1368	Reddi, K.R.	625
Rao, P.J.S.	1369	Reddiah, K.	1419, 1420
Rao, P.S.N.	1629	Regunathan, A.	1895
Rao, P.V.	917, 923, 1405, 1406, 1407, 1408, 1409, 1410, 1411	Regunathan, C.	98, 1249, 1250
Rao, S.R.	1369	Rengasamy, V.S.	175, 338, 387, 610, 613, 615, 616, 775, 945, 946, 981, 1422, 1423
Rao, S.Raghuram	1412	Renuka Bai, N.	1424
Rao, S.V. Suryanarayana	1413	Ridley, S.O.	1425
		Robson, G.C.	1426
		Rodrigo, J.X.	338, 416, 417, 607, 611, 612, 1180, 1277, 1279, 1297, 1423, 1427
		Rosa, Horacio	694
		Rosakutty, P.J.	1430
		Rose, M.R. Basil	1424

---

			1842
Roslin, A.Stella	1428, 1429, 1430	Sankaralingam, S.	1893
Russell, B.C.	1431	Sankarankutty, C.	697, 913, 1347, 1446, 1447, 1448, 1449, 1507, 1543
Sabapathy, N.	230		
Sabeen, H.M.	1334	Santhanam, R.	926, 1319, 1450, 1451, 1603, 1607, 1821, 1822, 1885
Sachidanandham, A.	1432		
Sahubar, M.	494	Santharaj, T.	1608, 1609
Sakthivel, M.	1433, 1909	Santhararamasamy, M.	1452
Salim, R.V.	1434	Saraswathiammal, G.	321
Salvadori, F. Baschieri	132, 1435, 1436	Saravanan, S.	762
Sambandam, K.P.	1437	Sarma, A.L.N.	383
Sambandamurthy, P.S.	214, 215, 216, 1815	Sarvesan, R.	1367, 1453, 1454, 1455, 1553
Sambasivam, S.	1634	Saski, K.	1456
Sampath, K.	619	Sastri, Y. Appana	614, 891, 997, 1457
Sampathkumar, J. Stephen	1438	Sathakkathullah, S. M.	1114, 1299
Sampathkumar, P.	397, 398	Sathiadas, R.	1165, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1512
Samuel, D.	1439, 1440		
Samuel, V. Deepak	366, 1441, 1442, 1443, 1444, 1445, 868, 1910	Sathyamurthi, S.T.	1465, 1466, 1467
Samuel, P. Philip.	405	Satyanarayana, C.	1351
Samuel, Sydney	1030	Scariah, K.S.	1887, 1907
Sanjeevaraj, G.	1820, 1823,	Scheer, G.	969, 1468

---

Sebastin, M.J.	1469	Sewell, R.B.S.	1497, 1498, 1499, 1500, 1501
Seetaramaswamy, A.	1786	Seynudeen, M.B.	328
Sekar, N.C.	1470	Shah, C.K.	1502
Sekharan, F. Chandra	1300, 1302	Shah, H.N.	810
Sekharan, K.V.	1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478	Shahul Hameed, P.	1908, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1921, 1922, 1923
Selvam, A.	1438	Shahul Hameed, M.M.	1913
Selvam, K.	1479, 1805	Shakeed, K.	1912, 1920, 1921
Selvaraj, G.S.D.	1480, 1481, 1542, 1573	Shanmugaraj, T.	1368, 1776, 1993, 1934, 1935, 1936, 1937, 1938
Selvaraj, M.	249, 256, 258, 259, 260, 416, 734, 737, 1482, 1565	Shanbhogue, S.C.	1503, 1504, 1505
Selvaraj, P.	1485, 1486, 1487, 1488, 1650, 1658	Shankar, T.R. Udhaya	1506
Selvaraj, R.	1483	Shanmugasundaram, K.	1839
Selvarani, Jessy	1484	Shanmugavelu, C.R.	1511, 1512
Sengupta, R.	1638	Shanmugham, S.	173, 1508, 1509
Senthilathiban, R.	1485, 1486, 1487, 1488	Shanthi, C. Felicia	1513, 1514, 1515, 1919
Senthilkumar, S.	1489, 1490, 1491, 1515, 1879	Shenoy, A.S.	1516
Senthilnathan, S.	1492, 1493	Shenoy, Latha	1601
Seshappa, G.	1494	Shiple, A.E.	1517, 1518, 1519
Sethuraman, V.	1063, 1495, 1496	Shoba, V.	319, 320, 321, 1590

Shrikrishnadhas, B.	1520, 1604, 1605, 1659	Soloman, K.	952, 1888, 1889, 1890
Sigamony, P. Paul	676	Somarajulu, B.L.K,	1418
Silas, E.G.	698, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557	Somasundaram, S.S.N.	1592, 1911, 1912, 1913, 1914, 1916, 1917, 1918, 1920, 1921, 1922, 1923
Sindhu, P.	1558	Somvanshi, V.S.	1593
Sinear, V.	1559	Soni, S.C.	1408
Siraimheetan, Pon.	409, 416, 438, 936, 940, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567	Soosai, F.	1839
Sivados, M.	875, 1188, 1568, 1569, 1570, 1800	Soundararajan, R.	335, 336, 337, 600, 601, 602, 603, 611, 612, 1039, 1040, 1044, 1045
Sivaji, N.	1571	Southwell, T.	1594, 1595, 1596, 1597, 1598, 1599, 1600
Sivakami, S.	1572, 1573	Sreekrishna, Y.	1601
Sivakumar, V.	619, 787	Sreekumari, S.	321
Sivalingam, D.	1077, 1100, 1365, 1366, 1574, 1575, 1576, 1577, 1578, 1579	Sreenivasan, A.	942, 1602, 1603, 1607
Sivaprakasam, T.E.	1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588	Sreenivasan, P.V.	32, 1367
Smith, H.M.	1589	Srikrishnadhas, B.	1604, 1605, 1659
Soetersdal, G.S.	1591	Srinath, M.	10, 997, 998, 1173, 1261, 1606
		Srinivasagam, K.	1839
		Srinivasan, A.	1451
		Srinivasan, G.	1007
		Srinivasan, R.	1608, 1609

Srinivasarengan, S.	997	Subramanian, S.K.	1639, 1640, 1641
Starmuhlner Ferdinand	1610	Subramanian, V.	980
Stebbing, T.R.R.	1611	Sudarson, D.	1642, 1643, 1644, 1645, 1646, 1647, 1660
Stella, C.	1612, 1613, 1614, 1615	Sudhakar, K.	223, 224
Stoddart, D.R.	1616	Sudhesh, P.S.	677
Subbaramaiah, K.	129, 261, 738, 739, 740, 741, 804, 919, 920, 1313, 1314, 1315, 1316, 1317, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631	Suganya, K.	1928
Subba Rao, P.V.	261, 369, 370, 394, 395, 396, 738, 739, 740, 741, 1317, 1617, 1630, 1652, 1698, 1787, 1788	Sugumar, G.	1648, 1649
Subramani, S.	1173, 1632	Sujathkumar, N.V.	1487
Subramanian, A.N.	115,766, 828	Sukumar, P.	1650
Subramanian, G.	1689, 1690, 1691	Sukumaran, G.	623
Subramanian, J. Sankara	1385, 1386	Sukumaran, N.	112, 1001, 1203, 1337, 1651, 1822, 1823
Subramanian, K.	1633	Sundar, K.L.S.	1652
Subramanian, P.	793, 794, 951,1634	Sundaralingam, V.S.	1653
Subramanian, B.R.	1938	Sundaram, K.S.	1296, 1362, 1654
Subramanian, R.	1190	Sundaram, N.	172, 1655, 1693,
Subramanian, R.	1635, 1636, 1637, 1638	Sundaramoorthy, S.	795, 1938
		Sundararajan, D.	1007, 1287, 1298, 1299, 1367
		Sundararaj, V.	1071, 1103, 1319, 1438, 1651, 1656, 1657, 1658, 1659, 1898
		Surendar, Meera	1590

Suresh, R.	112	Thillairajan, P.	872, 874, 1064, 1077
Suseelan, C.	1661, 1662, 1663, 1664, 1665	Thirumilu, P.	1696, 1697
Svedelius, N.	1666	Thirunavakkarasu, A.R.	1550
Swaminathan, M.S.	1667	Thiruvengkatachari, S.	1698
Sykes, E.R.	1668	Thivy, F.	232, 1699, 1700, 1701, 1702, 1703
Tagore, J.	948	Thomas, Abraham	1704
Talwar, P.K.	1669, 1670, 1671, 1672, 1673	Thomas, D.	1705
Tampi, P.R.S.	1121, 1122, 1123, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1237, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685	Thomas, H.S.	1706
Tanaka, Junicki	1858	Thomas, M.M.	1411, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719
Tandon, K.K.	1686, 1687, 1758	Thomas, P.A.	1156, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742
Tattersal, W.M.	1688	Thomas, P.C.	739, 740, 741, 805, 806, 807, 808, 809, 1317, 1625, 1626, 1627, 1629, 1631, 1743, 1744, 1745, 1746, 1747, 1748, 1749
Thajuddin, N.	1689, 1690, 1691	Thomas, S. Davidson	218
Thangaradjou, T.	758	Thomson, J.A.	1750
Thangavelu, R.	1367, 1692, 1693	Thurston, E.	1752, 1753, 1754, 1755, 1756, 1757
Thanikachalam, M.	1924, 1925, 1926, 1927, 1928	Toor, H.S.	1759
Thiagaraj, J.C.	810		
Thiagarajan, R.	154, 292, 318, 1075, 1076, 1573, 1694, 1695, 1809		
Thiagarajan, S.	217 291		

---

Udayaganesan, P.	1760	Vasudevan, V.	1786
Umamaheswari, S.	1927, 1928	Vasuki, S.	1787, 1788
Ummerkutty, A.N.P.	1544, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773	Velankar, N.K.	1789, 1790, 1791, 1792, 1793, 1802
Unnithan, K.A.	1363, 1365, 1366, 1774, 1775	Velayutham, P.	1794, 1795, 1796, 1930, 1931
Unny, M.	231, 266, 267, 268, 269,	Velayudhan, T.S.	34, 35, 36, 37, 38, 39, 238, 239, 240, 241, 327, 1008, 1797, 1798, 1799, 1800, 1801, 1834, 1838, 1839
Upreti, A	1776, 1937	Venkatachari, G.	949
Usha, T.	1938	Venkatanarasimha, K.	1479, 1805
Uusitalo, J.	1777	Venkataraman, G.S.	1812, 1813
Vaidya, B.S.	1502	Venkataraman, K.	660, 661, 1814
Vairamani, A.	700, 1883, 1884	Venkataraman, T.V.	1816
Vaithianathan, N.	1007, 1071	Venkataraman, R.	291, 1815
Valson, A.P.	270, 1778, 1779	Venkataraman, R.	1815
Valson, H.P.	220, 227	Venkataraman, G.	1806, 1807, 1808, 1809, 1810, 1811
Varadharajan, S.	302, 303, 304, 1780, 1781, 1782	Venkataramani, G.	287, 1817
Varghese, B.C.	413	Venkataramani, V.K.	789, 1103, 1319, 1329, 1656, 1659, 1803, 1804, 1818, 1824, 1825, 1898
Varies, N.S.	1202		
Varma, R. Prasanna	1783, 1784	Venkataramanujam, K.	789, 1329, 1450, 1804, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1930, 1931
Vasanthakumar, J.	1650		
Vasanthi, R. Harnah	1785, 1929		



---

Venkatasamy, G.	1826	Wafar, M.V.M.	114, 1846
Venkataswamy, M.	1827	Westheide, W.	1847
Venkateswarulu, Y.	1828	Whitaker Romulas	1848
Venugopal, R.	810	Whitehead, P.J.P.	1321
Venugopalan, V.K.	1493	Winckworth, R.	1849, 1850, 1851
Verduijin, R.J.	1829	Yohannan, T.M.	1280
Victor, A.C.C.	22, 35, 36, 237, 239, 240, 241, 361, 499, 500, 501, 1047, 1201, 1801, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1857, 1891	Zachariah, P.U.	998
		Zaidi, S.H.	739, 740, 741, 1317
Vijayakumaran, M.	1260		
Vijayalakshmi, K.	328		
Vijayan, M.	1886		
Vijayaraghavan, G.	1843		
Vijayarajan, P.K.	1842		
Villan, P.	1840, 1841		
Vincent, D.	952, 1890		
Vincent, S.G.	171, 174, 1172, 1741, 1742		
Vinith Kumar, N.V.	115		
Viswanathan, R.	1123, 1845		
Vivekanandan, E.	998, 1261, 1573		

## SUBJECT INDEX

Alcyonaria	477, 650	Balistids	124
Alpheidae	427	Barracuda	771
Amphipoda	428, 704, 1079, 1580, 1581, 1582, 1583, 1584, 1585	Beach morphology	49, 1281
Anchovy	1049, 1050	Big jawed jumper ( <i>Lactarius lactarius</i> )	196, 1511
Animal association	102, 681, 683, 696, 697, 711, 895, 900, 1120	Bioactivity-cephalopod	1864
Antibacterial activity-gastropod	1853, 1856	Bioactivity-Gastropods	1854, 1867
Aquaculture	97, 172, 312, 316, 407, 408, 573, 576, 580, 584, 610, 611, 897, 933, 981, 1042, 1057, 1058, 1069, 1199, 1234, 1478, 1481, 1657, 1680, 1682, 1683, 1684, 1685, 1811	Biofouling	289, 325, 327, 832, 836, 949, 1012, 1013, 1014, 1015, 1797
Aquaculture engineering	158, 162	Biosphere reserve	60, 63, 99, 100, 190, 191, 287, 314, 315, 322, 585, 659, 910, 1241, 1242, 1319, 1368, 1434, 1547, 1640, 1667, 1776, 1855
Aquarium	498	Bivalve	60, 70, 72, 944, 1088, 1563, 1865, 1916
Archiannelids	42, 424	Bloched croaker	627
Arrow worms	1780, 1781	Blue green algae	208, 236, 264, 266, 567, 568, 1060, 1193, 1451, 1624
<i>Artemia</i>	2, 47, 356, 1270, 1278, 1279, 1873	<i>Callogobius</i>	1345
Artificial reefs	1265, 1266, 1280	Canning	1903
<i>Asccocirrus</i>	42	Carangid fishery	768, 994, 1686, 1687, 1818
Bacterial flora	228, 236, 264, 266, 567, 568, 755, 757, 760, 762, 1060, 1193, 1451, 1624, 1790, 1791, 1792, 1802, 1805	Cat fish	10, 629, 638, 639, 669, 782, 953, 954, 955, 956, 957, 958, 960, 962, 963, 987, 1296, 1457, 1632
Balanoglossus	295, 1369, 1559		

Cephalopods	28, 127, 493, 1426, 1453, 1454, 1455, 1497, 1528, 1529, 1551, 1552, 1553, 1555, 1556, 1557, 1575, 1576, 1577, 1775, 1833	Coral boring bivalve	69, 71
Cestode	1595, 1596, 1597, 1598, 1599	Coral and coral reefs	
Chaetognatha	1642	Taxonomy/Resources	46, 51, 67, 90, 107, 313, 365, 366, 377, 399, 430, 479, 513, 654, 655, 657, 660, 661, 664, 665, 666, 760, 762, 788, 795, 820, 822, 823, 824, 826, 905, 931, 967, 970, 988, 1025, 1028, 1055, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1251, 1301, 1318, 1333, 1420, 1425, 1468, 1499, 1501, 1616, 1634, 1814, 1821, 1822, 1844, 1846, 1855, 1857, 1927, 1928.
Chank	267, 269, 297, 317, 481, 482, 486, 767, 874, 903, 907, 1072, 1086, 1087, 1089, 1133, 1134, 1435, 1436, 1567, 1755	Ecology	89, 654, 825, 969, 1155
Chemical studies/Bioactive compounds	230, 974, 1198, 1303, 1336, 1421, 1590, 1760, 1786, 1790, 1795, 1796, 1858, 1899, 1923	Transplantation	91
<i>Chicoreus ramosus</i>	95, 155, 363, 364, 711, 1249, 1263, 1340, 1341, 1342, 1612, 1613, 1614, 1615	Association	92, 667, 755, 825, 826, 1011, 1156, 1339
<i>Chirocentrus</i>	886, 888, 889, 890, 892	Conservation	821, 822, 823, 824, 1243, 1450, 1863, 1866, 1868, 1869, 1880, 1910, 1925, 1926
<i>Chorinemus lysan</i>	559	Coral reef fishes	44, 499, 501, 1164, 1513, 1919
Clam	29, 344, 345, 346, 347, 349, 351, 352, 354, 1070, 1071, 1088, 1283	Coral reef flora	1395
Clown fish	499, 501	Crab	
Cobitid fish	1521	Chemical composition	442, 443, 973
<i>Coeloplana</i>	302, 304, 1688, 1781	Culture	159, 700, 935, 938, 941, 1284, 1285
<i>Conchoderma indicum</i>	277	General	217, 445, 581, 656, 657, 658, 661, 662, 666, 667, 681, 696, 697, 699, 975, 982, 983, 1231, 1446, 1447, 1448, 1449, 1507, 1508, 1543, 1719
Conservation	262, 311, 314, 357, 1001		
Copepod	139, 141, 142, 151, 265, 763, 764, 811, 812, 813, 1159, 1160, 1167, 1224, 1349, 1350, 1419, 1469, 1537, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773		

Craft and gear	118, 887, 1229, 1458, 1554, 1696, 1697	Echinoderms	137, 425, 476, 522, 525, 528, 540, 547
Cray fish	1271	Eel culture	333, 335, 336, 337, 1257
Croakers	640, 847, 848	Eel diseases	332
Crustacean fishery	504, 685, 1663	Eel export	1032
Cumacea	188	Eggs and larvae (including egg masses)	85, 130, 157, 160, 161, 163, 192, 834, 1034, 1035, 1048, 1073, 1121, 1122, 1168, 1172, 1531, 1550, 1564, 1569, 1643, 1644
Currents	131	Enteropneusta	1335, 1352
Cuttle fish	1102, 1103, 1553, 1574, 1898	Environmental conditions	360, 361, 1203, 1337, 1338, 1640, 1789
Cyanobacteria	1689, 1690, 1691	File fish	901
Cyclone	86, 721, 815, 1029, 1512	Fish calender	875, 914
Decapoda	329, 1230, 1446, 1447, 1448, 1449, 1709, 1715, 1718	Fish curing	1648, 1649
Demersal resources	651, 1504, 1571, 1572, 1586, 1587	Fish mortality	105, 193, 775
Devil ray	1286, 1287	Fishermen/women	46, 62, 502, 505, 984, 1131, 1247, 1488, 1525, 1650, 1823, 1829, 1868
Diatoms	1026, 1218, 1641, 1813	Fisheries development	222, 328, 586, 606, 1648, 1658, 1659
Dinophyceae	1636	Fisheries extension	2211, 701, 1344
Dog fish	1034	Fishery	117, 173, 177, 205, 207, 328, 334, 355, 412, 413, 575, 617, 618, 703, 790, 859, 891, 971, 972, 991, 996, 1171, 1209, 1228, 1304, 1326, 1327, 1368, 1378, 1546, 1573, 1588, 1591, 1602, 1606, 1675, 1646, 1647, 1656, 1660, 1673, 1843, 1856
Dolphin	84, 87, 119, 120, 670, 778, 864, 873, 1182, 1184, 1187, 1188, 1190, 1191		
Dorab fishery	883		
<i>Drepane punctata</i>	992		
Dugong	183, 572, 682, 686, 689, 690, 691, 850, 864, 866, 1037, 1043, 1178, 1533, 1705, 1837		

Fishery economics	1461, 1462, 1463, 1485, 1486, 1487, 1488	Giant moray eel	560
Fishing grounds	212, 1414	<i>Glossula</i>	136
Fishing harbours	282, 946, 1495	GIS based Information	1056, 1938
Fishing methods	385, 1374, 1432, 1460, 1464, 1601	Goat fish	1720
Flat fish	168, 1074, 1329	Gorgonid resources/toxicity	1738, 1740, 1794, 1796, 1820, 1931
Fly fish	1256	Grey mullets	160, 263, 350, 613, 615, 616, 879, 881, 884, 885, 1862, 1875, 1877
Food and feeding habits		Grouper biology	451, 1305
Big-eyed majarra	104	Grouper culture	165, 1895
Black tailed trevally	450	Hemiptera	189
Deep sea shark	1033	Heteronereids	1681
Finlet scad	789	Hilsa fishery	161, 781, 1186
General	199	Hydrology	113, 115, 209, 210, 213, 220, 223, 224, 227, 320, 329, 409, 415, 417, 512, 597, 626, 759, 936, 940, 951, 952, 1176, 1215, 1223, 1637
Half beak fish	1670	Hydromedusae	1213
Indian mackerel	406	Ichthyofauna	1162
Rainbow sardine	1023	<i>Ilisha</i> 494.	1321
Ribbon fish	1170	Intertidal ecology	1633
Sciaenid	855	Invertebrates	652, 814, 1322
Foraminifera	279, 280, 410, 439, 448, 453, 625, 819, 930, 1068	Islands – GOM	43, 272, 376, 659, 663, 665, 761, 790, 820, 1001, 1010, 1252, 1253, 1254, 1319, 1332, 1333, 1334, 1335, 1352, 1369, 1414, 1415, 1420, 1427, 1466, 1467, 1568, 1751, 1756, 1757, 1780, 1781, 1807, 1817
Fouling	48, 289		
Full beaks and half beak fishery	774, 1669, 1670, 1671, 1672		
Fungi	1011		
Gastropod	78, 383, 1047, 1105, 1320, 1324, 1355, 1377, 1379, 1380, 1382, 1489, 1491, 1563, 1654, 1655, 1774, 1860, 1902		
Gastropod parasite	695		

Isopod	271, 423, 1611, 1716	Macrophytes	968
Javanese cow-nose ray	135, 558, 565	Mangrove	46, 68, 649, 784, 816, 1054, 1059, 1126, 872, 1879, 1910
Jew fish	166, 171	Marine mammals conservation	170, 578
Krusadai island	187, 219, 243, 271, 277, 279, 280, 298, 299, 300, 301, 302, 303, 304, 373, 410, 411, 422, 423, 428, 429, 430, 477, 506, 600, 601, 659, 860, 966	Marine mammals general	514, 596, 1881
Lab lab	164	Marine ornamental fishes	499, 501, 979, 995, 1433, 1909
Labrid fish	1824	Marine plants	718
Lagoon	362	Metal concentration	1492, 1493
Lagoon hydrology	597	Metal pollution	926, 885, 1905, 1908, 1911, 1912, 913, 1923
Lagoon- pillaimadam	605	Micro algae culture	356, 414, 1076, 1876
Length weight relationship		Milkfish eggs and larvae	192, 862, 1423, 1550
<i>Chicoreus remosus</i>	155	Milkfish food	1677
<i>Chirocentrus cuvier</i>	886	Milkfish seed	338, 353
<i>Lutjanus rivulatus</i>	454	Milkfish culture	164, 169, 296, 386, 387, 851, 863, 937, 1123, 1657
<i>Otolithes ruber</i>	628	Mineral distribution	918
<i>Sillago sihama</i>	632	Monia	1876
Leptocephali	1031	Molluscan culture	20, 76, 1082, 1891, 1933, 1934, 1935, 1936
<i>Lethrinus lentjan</i>	1759	Molluscan conservation	75, 312, 999, 1000
Live feed culture	1876		
Lizard fish	1019		
Lobsters	4, 155, 211, 403, 978, 1044, 1045, 1233, 1268, 1274, 1275, 1330, 1604, 1605, 1710		
Mackerel	58, 305, 406, 679, 694, 1108, 1207, 1386, 1473, 1569		

Molluscan cryptofauna	663	<i>Otolithes ruber</i>	628
Molluscan resources	27, 238, 488, 492, 582, 598, 688, 1248, 1356, 1357, 1359, 1361, 1362, 1363, 1364, 1373, 1383, 1466, 1467, 1480, 1490, 1531, 1610, 1849, 1850, 1851	Organic production	1027, 1221, 1225, 1226, 1236, 1470, 1844
Mussel culture	1006, 1200	Pamban bridge	1174
Mussel fishery	672, 678, 692, 872, 1358, 1479, 1704	<i>Panitella</i>	382
Mysid	1157, 1158	Parasites	849, 1262, 1349, 1350, 1517, 1518, 1519, 1523, 1862, 1906
Mytilid borer	73	Parrot fish	867
Myxophyceae	182	Pearl culture/hatchery/biology	15, 16, 17, 18, 19, 21, 22, 23, 26, 30, 31, 32, 34, 37, 38, 39, 59, 61, 66, 112, 233, 234, 235, 236, 239, 240, 241, 288, 299, 324, 325, 326, 432, 433, 474, 475, 480, 483, 489, 668, 708, 753, 1010, 1052, 1067, 1200, 1201, 1370, 1406, 1694, 1798, 1799, 1800, 1801, 1830, 1834, 1835, 1840, 1841, 1860
<i>Nematalosa nasus</i>	857	Pearl oysters / resources/ fishery	3, 8, 11, 29, 35, 36, 53, 54, 88, 93, 132, 206, 214, 215, 216, 223, 224, 226, 227, 270, 276, 290, 291, 300, 301, 327, 330, 371, 457, 458, 459, 460, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 490, 491, 767, 868, 896, 906, 907, 908, 947, 989, 1065, 1066, 1080, 1086, 1092, 1128, 1129, 1130, 1133, 1134, 1135, 1208, 1272, 1273, 1276, 1300, 1302, 1376, 1384, 1405, 1435, 1436, 1531, 1578, 1600, 1706, 1750, 1752, 1753, 1754, 1783, 1838, 1878
National marine park	910, 965	Pelagic fishery	869
<i>Noctiluca</i>	416, 1210, 1217	Pen culture	851, 852, 1811
Oysters	3, 348, 359, 622, 623, 754, 898, 911, 912, 1004, 1005, 10007, 1018, 1112, 1293, 1294, 1298, 1358, 1360, 1365, 1366, 1367, 1371, 1439, 1440, 1492, 1692, 1693	Perch fishery	150, 421, 452, 608, 673, 773, 777, 1205
Oyster culture	77, 609, 1004, 1008, 1081, 1090, 1091, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1101, 1113, 1114, 1200, 1299, 1805	Phyllosoma	1219, 1232
Oilsardine fishery	65, 80, 81, 82, 945		
Opisthobranchiat mollusca	372		
<i>Ostrea cucullata</i>	94		
<i>Ostracode</i>	495, 496		
<i>Oreochromis mossambicus</i>	619		

Pipe fish	1644	Prawn fishery/biology	122, 404, 405, 846, 917, 923, 927, 928, 929, 1038, 1264, 1267, 1269, 1381, 1437, 1438, 1661, 1707, 1708, 1711, 1712, 1713, 1714, 1717, 1815
Planktonic gastropod	400	Primary productivity	114, 415, 417, 1030, 1104, 1220, 1227
Plankton	198, 200, 201, 202, 203, 204, 210, 223, 224, 265, 293, 298, 402, 417, 755, 756, 757, 792, 793, 794, 950, 951, 952, 977, 1180, 1204, 1211, 1212, 1214, 1216, 1217, 1223, 1235, 1328, 1428, 1451, 1603, 1607, 1635, 1637, 1638, 1690, 1870, 1871, 1886, 1887, 1888, 1889, 1890, 1896, 1897, 1907	Pycnoyonida	1253, 1254
Platacid fish	503	Radioactivity	1913, 1914, 1915, 1917, 1918, 1920
Plemobranch	1465	Radiometric studies	1418
<i>Pleuroploca trapezium</i>	1250	Ramanathapuram	830, 831
Pogonophora	1526	Remote sensing/GIS information	1056, 1318, 1857, 1924, 1925, 1926, 1928, 1938
Pollution	113, 358, 775, 926, 1885, 1905, 1908, 1911, 1912, 1913, 1923	Ribbon fish	555, 556, 557, 562, 571, 614, 634, 1385
Polychaetes	1, 128, 373, 374, 1343, 1346, 1347, 1674, 1675, 1676, 1679, 1797, 1847	Rorqual	174
Polynemid fishery	713	Rotifer	356, 1277, 1876
Polyzoa	422	Sail fish	1541
Pomfret	148, 1003, 1165, 1803	Sand plover	109
<i>Pontobolos</i>	284	Sardine	140, 154, 163, 1020, 1021, 1051, 1210, 1255, 1471, 1472, 1475, 1476, 1477
Population dynamics	892, 765, 635, 636, 769	Sciaenid fishery	156, 847, 848, 849, 855
Porifera	187	Scientific names	436, 1111
Porpoise	182, 379, 1064	Scombroid fishery	218, 684, 698
Prawn culture	356, 870, 916, 932, 934, 939, 976, 1166, 1459, 1509, 1662, 1651, 1826, 1827, 1861, 1883, 1904	Scuba diving	909
		Scypha medusae	966



Sea anemone	1085	1623, 1625, 1626, 1653, 1701, 1745, 1747, 1747, 1787, 1788
Sea cucumber resources	9, 103, 106, 278, 419, 497, 517, 518, 521, 523, 524, 530, 531, 533, 541, 542, 543, 545, 546, 549, 551, 592, 986	Seaweed chemical studies 111, 256, 259, 319, 321, 389, 391, 392, 398, 644, 645, 648, 729, 737, 745, 748, 817, 818, 1132, 1195, 1196, 1197, 1389, 1424, 1510, 1618, 1629, 1639, 1746, 1785, 1828, 1859, 1900, 1901, 1921, 1922, 1929
Sea ranching -general	583	
Sea ranching-pearl oysters	237, 239	
Sea ranching-prawns	1407, 1884	Seaweed conservation 722, 1620
Sea ranching-seacucumbers	552	Seaweed culture 175, 244, 248, 249, 257, 258, 393, 395, 642, 716, 732, 734, 736, 750, 793, 1124, 1315, 1316, 1565, 1621, 1622, 1627, 1631, 1703, 1744
Sea snake	900	
Seabass	945, 1882, 1894, 1932	Seaweed fauna association 705, 706, 707
Seabirds	108, 680, 854, 856, 858,	
Seacucumber- beche-de-mer	176, 435, 487, 520, 527, 529, 530, 534, 548, 550, 594, 1017, 1247, 1516	Seaweed resources 55, 56, 57, 178, 179, 180, 181, 185, 232, 246, 252, 255, 260, 261, 273, 274, 275, 286, 339, 340, 341, 342, 343, 390, 717, 718, 719, 723, 724, 728, 731, 738, 739, 740, 741, 742, 743, 744, 746, 747, 749, 751, 752, 761, 796, 798, 800, 801, 802, 803, 805, 806, 807, 808, 809, 810, 893, 1307, 1317, 1388, 1391, 1393, 1394, 1396, 1397, 1401, 1403, 1430, 1482, 1483, 1535, 1617, 1634, 1666, 1700, 1874
Seacucumber biology	133, 592	
Seacucumber conservation	537, 595	Seaweed spore shedding 129, 253, 709, 733, 920, 1400, 1652
Seacucumber culture	64, 526, 532, 536, 538, 539, 553, 554	
Seafood export	838	Seaweed ultra violet B-radiation 369, 370
Seagrasses	45, 114, 390, 751, 758, 842, 843, 845, 915, 1127	
Seahorse	500	Seaweed uses/agar/alginates etc. 245, 247, 249, 252, 254, 268, 286, 368, 394, 502, 505, 643, 714, 715, 720, 727, 729, 730, 745, 747, 748, 752, 919, 1194, 1202, 1308, 1312, 1325, 1389, 1392, 1545, 1608, 1609, 1629, 1630, 1699, 1702, 1743, 1749, 1777, 1778, 1779
Seaurchin	524, 535, 1484	
Seaweed biology	251, 253, 388, 396, 397, 507, 509, 646, 647, 710, 725, 726, 733, 735, 759, 804, 1309, 1310, 1311, 1313, 1314, 1388, 1399, 1402, 1429,	

Sediment	495 80	Silverbelly fishery	52, 563, 570, 579, 588, 589, 591, 894, 997, 1806, 1808
Seed transport	23 239	Silverbelly population dynamics	765, 1809
Seeniappa Dharga	1046	Siphonophora	1252
Seer fishes	307, 308, 309, 310, 769, 791, 1522	Snake mackerel	447
<i>Sepiella inermis</i>	1445	Socio-economic studies	96, 98, 250, 1463, 1513, 1823, 1829, 1865
Sethusamudram ship project	361, 1832	Solenostomid fish	1825
Sharks, skates and rays	74, 123, 125, 126, 135, 152, 195, 292, 380, 384, 437, 446, 558, 561, 565, 569, 574, 674, 675, 783, 839, 871, 877, 1036, 1039, 1040, 1041, 1181, 1183, 1286, 1287, 1289, 1290, 1291, 1348, 1542	Sponges	180, 283, 285, 294, 431, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741
Shell fishery	786, 899, 948,	Squid	12, 621, 776, 1103, 1372, 1549, 1553, 1577, 1898
Shell market/industry	363, 515, 1075, 1077, 1100	Starfish	519
Shells	1106, 1240	Stauro medusa	1117
Shells chemical composition	231	Stock assessment	998
Shore	1628	Stomatopoda	329
Shore seine fishery	146	Stream fish	702
<i>Siganus canaliculatus</i>	631	Subsistence fishery	109
<i>Sillago sihama</i>	25, 632, 633, 637, 1246	Subsistence fishery seaurchin	524, 535, 1484
Silverbelly bibliography	604	Sun fish	83, 101, 318, 1836
Silverbelly biology	79, 567, 577, 579, 587, 588, 589, 590, 1175	Tagging	785
Silverbelly bionomics	197		

---

Teleosts	449, 1245	Turtle	5, 6, 7, 134, 194, 281, 381, 456, 624, 693, 780, 833, 876, 990, 1024, 1061, 1177, 1185, 1189, 1258, 1259, 1260, 1261, 1409, 1532, 1848
Termites	411	<i>Ulva mandibularis</i>	882
<i>Thalassema</i>	1238	Underwater ecology	900, 902, 903, 904, 908, 1083, 1084, 1085, 1301
Threadfin	331, 455, 998, 1295	Urochordata	426
Threadfin breams	998, 1019	Venerid bivalve	11
Tiger fish	1534	Vertebrates	652
Toli shad	1002	Water current	131
<i>Tornaria</i>	303	Wave refraction	50
Trace metals	827, 828	Wedge clam	13, 1078, 1412
Traditional fishery	138, 144, 145, 147, 149, 150	Whale shark	225, 378, 1053, 1062, 1110, 1169, 1179, 1288, 1496, 1562, 1892
Trap fishery	853	Whales osteological study	603
Trawl fishing	420, 593, 640, 641, 767, 829, 961, 1109, 1165, 1173, 1665	Whales sighted	1410
Trawl survey	1163	Whales stranding	33, 116, 600, 601, 676, 770, 772, 779, 865, 873, 942, 985, 1063, 1192, 1525, 1536, 1570, 1695, 1810, 1893
Trematodes	434, 1306	Wind mill	861
<i>Trochus</i>	1116	Wood boring organisms	323
Tuna fishery	1524, 1530, 1538, 1539, 1548, 1560, 1660		
<i>Turbellaria</i>	841		
Turbidity	1698		

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