



समुद्री मात्स्यकी सूचना सेवा

MARINE FISHERIES INFORMATION SERVICE

No. 101

NOVEMBER 1989



तकनीकी एवं विस्तार अंकावली TECHNICAL AND EXTENSION SERIES

केन्द्रीय समुद्री मात्स्यकी अनुसंधान संस्थान कोचिन, भारत CENTRAL MARINE FISHERIES RESEARCH INSTITUTE COCHIN, INDIA

भारतीय कृषि अनुसंधान परिषद
INDIAN COUNCIL OF AGRICULTURAL RESEARCH

समुद्री मात्स्यिकी सूचना सेवा : समुद्री मात्स्यिकी पर आधारित अनुसंधान परिणामों को आयोजकों, मत्स्य उद्योगों और मत्स्य पालकों के बीच प्रसार करना और तकनोलजी का प्रयोगशाला से श्रमशाला तक हस्तांतरित करना इस तकनीकी और विस्तार अंकवली का लक्ष्य है ।

THE MARINE FISHERIES INFORMATION SERVICE : Technical and Extension Series envisages dissemination of information on marine fishery resources based on research results to the planners, industry and fish farmers and transfer of technology from laboratory to field.

Abbreviation - *Mar. Fish. Infor. Serv., T & E Ser. No 101 : 1989*

CONTENTS

1. Title index - Marine Fisheries Information Service (July, 1983 - October, 1989)
2. Author index
3. Geographical index for titles
4. Subject index

Front cover photo :

A view of the current periodical section of CMFRI, Cochin.

TITLE INDEX

MARINE FISHERIES INFORMATION SERVICE, TECHNICAL AND EXTENSION SERIES , NOS. 51 - 100 (July, 1983 - October, 1989)

(Abbreviation : *Mar. Fish. Infor., Serv., T & E Ser.*)

Article No.	Title	Author	Page
1	2	3	4

MFIS 51 : July, 1983

217	Index for Marine Fisheries Information Service, T & E Series, Nos. 1 - 50	M. J. George, G. Subbaraju, S. K. Dharmaraja and E. Johnson	1 - 18
218	Record production of milkfish from ponds developed in sandy beach at Calicut	S. Lazarus and K. Nandakumaran	18
219	Laboratory production of seed of green mussel <i>Perna viridis</i>	K. Rangarajan	21

MFIS 52 : August, 1983

220	Trends in marine fish production in India 1982 - '83	CMFRI, Fishery Resources Assessment Division	1 - 21
-----	--	---	--------

MFIS 53 : September, 1983

221	Monsoon prawn fishery of Neendakara coast, Kerala - a critical study	M. J. George, C. Suseelan, M. M. Thomas, N. S. Kurup, K. N. Rajan, V. S. Kakati, K. N. Gopalakrishnan, K. Chellappan, K. K. Balasu- bramanian and C. Nalini	1 - 8
222	Acidity in Vembanad Lake causes fish mortality	V. K. Pillai, A. G. Ponniah, D. Vincent and I. David Raj	8 - 15
223	<i>Acetes</i> shrimp resources of Andaman and Nicobar Islands	R. S. Lal Mohan	15 - 17
224	Alfalfa promotes growth in prawns	D. S. Rao, P. P. Pillai, K. J. Mathew, K. Rengarajan, D. Vincent and L. R. Khambadkar	17 - 19
225	New penaeid prawn resources showing up along Maharashtra coast	M. Aravindakshan and J. P. Karbhari	20 - 23
226	Good season for prawns predicted off Madras	D. B. James and P. Thirumilu	23 - 25

MFIS 54 : October, November and December, 1983

227	Indebtedness and utilisation of fisheries credit in Sakthikulangara and Neendakara, Kerala - a case study	R. Sathiadhas and G. Venkataraman	1 - 6
228	Bycatch of shrimp trawlers in Greater Bombay	S. K. Chakraborty, V. D. Deshmukh, Kuber Vidyasagar and S. Ramamurthy	7 - 15
229	A potential new resource of prawn from the Karnataka coast	K. K. Sukumaran and G. Nandakumar	16 - 18
230	Proven technology. 7. Technology of cultured seaweed production	The scientists of seaweed culture project, C. M. F. R. I.	19 - 20

MFIS 55 : January, 1984

231	Focus on small scale fisheries : drift gillnet fishery off Cochin, 1981 and 1982	E. G. Silas, P. Parameswaran Pillai, A. A. Jayaprakash and M. Ayyappan Pillai	1 - 12
232	Larval rearing and spat settlement of brown mussel <i>Perna indica</i> in the laboratory	K. K. Appukuttan, K. Prabhakaran Nair and K. T. Thomas	12 - 13
233	Stranding of <i>Pseudorca crassidens</i> at Calicut, Kerala	R. S. Lal Mohan, K. V. Somasekharan Nair and P. Ramadoss	15
234	Stranding of <i>Pseudorca crassidens</i> at Rameswaram, Gulf of Mannar	R. Thiagarajan, P. Nammalwar and K. M. S. Ameer Hamsa	16
235	Capture of a false killer whale <i>Pseudorca crassidens</i> at Port Blair, Andamans	D. B. James	17

MFIS 56 : February, March and April, 1984

236	FAO/DANIDA/ICAR National Training Course on Fish Stock Assessment held during 7 November, 1983 - 9 December, 1983 at Central Marine Fisheries Research Institute, Cochin - 682 018	CMFRI	1 - 23
237	Fish harvest mela at Calicut	CMFRI	24

MFIS 57 : May, 1984

238	The Third Indian Antarctic Research Expedition and the role played by C. M. F. R. I.	K. J. Mathew	1 - 18
-----	--	--------------	--------

MFIS 58 : June, July and August, 1984

239	Molluscan resources of Kali river estuarine system in Karnataka	K. Nagappan Nair, K. Ramadoss, C. T. Rajan and N. Sundaram	1 - 8
240	Multidisciplinary marine fisheries resources management	Gerald, J. Bakus	9 - 10
241	Regulated mechanised and traditional fishing in Tamil Nadu - an approach to end clashes	G. Balakrishnan and K. Alagaraja	10 - 13
242	Culture of larvae of <i>Scylla serrata</i>	M. Marichamy and S. Rajapackiam	13 - 15
243	Two incidents of fire accident at Madras Fishing Harbour during the month of April, '84	D. B. James, R. Sarvesan and S. Chandrasekar	16 - 17

MFIS 59 : September and October, 1984

244	The molluscan resources and ecology of Kaknada Bay	K. A. Narasimham, G. S. D. Selvaraj and S. Lalitha Devi	1 - 16
245	Bumper catches of prawns, pomfrets, little tunnies, black sharks and other fishes at Karwar	M. H. Dhulkhed, G. G. Annigeri, G. Nandakumar and D. Y. Naik	16 - 18
246	Earning by learning and doing	K. Asokakumaran Unnithan, P. K. Martin Thompson and P. Radhakrishnan	19 - 20

MFIS 60 : November and December, 1984

247	The Indian oil sardine fishery - a review	V. Balan	1 - 10
248	Export oriented processing of Indian jelly fish (<i>Muttaichori</i> , Tamil) by Indonesian method at Pondicherry region	L. Chidambaram	11 - 13
249	An undesirable method of fishing using poisonous and toxic chemicals	D. S. Rao and K. G. Girijavallabhan	13 - 14
250	Occurrence of post-larvae of <i>Penaeus canaliculatus</i> Oliver and juveniles of <i>P. japonicus</i> Bate around Karwar	G. Nandakumar	14 - 15
251	The bramble shark <i>Echinorhinus brucus</i> (Bonnaterre) landed at Cochin	K.V. Somasekharan Nair and K. Thulasidas	15 - 17

MFIS 61 : January and February, 1985

252	Molluscan fisheries of India	K.Nagappan Nair and K. Satyanarayana Rao	1 - 7
253	An instance of mass mortality in the Muttukadu farm near Madras during April, 1983	M.Rajagopalan, K.G. Girijavallabhan, Geetha Bharathan, M. Kathirvel, P. Nammalwar and T. Dhandapani	8 - 12
254	On the capture of juveniles of <i>Lutjanus russelli</i> (Bleeker) and <i>Scatophagus argus</i> Var. <i>Tetracanthus</i>	M. Aravindakshan and S.K. Chakraborty	12 - 13
255	Spawning of <i>Nematalosa nasus</i> Bloch in Pillaimadom lagoon at Mandapam	R. S. Lal Mohan	13 - 14
256	Occurrence of <i>Tachysurus dussumieri</i> (Valenciennes) with incubating young ones off Mangalore	C. Muthiah and G. Syda Rao	14 - 15
257	An unusual occurrence of oil sardine in Pondicherry on east coast of India	S. Srinivasarengan and L. Chidambaram	16 - 17

MFIS 62 : March and April, 1985

258	Fin fish culture	S. Mahadevan	1 - 6
259	Artisanal fishery for prawns at Uppada near Kakinada in Andhra Pradesh coast	S. Lalitha Devi	6 - 11
260	Training programme on sampling design of CMFRI for survey of exploited fishery resources	Fishery Resources Assessment Division of CMFRI	11 - 14
261	Mass mortality of catfishes and other bottom fauna at Pudiappa, Calicut	N. Gopinatha Menon and C. V. Mathew	14 - 16
262	Recovery of a ringed Sandwich tern, <i>Sterna sandvicensis sandvicensis</i> from Rameswaram Island	R. S. Lal Mohan	16 - 17

MFIS 63 : May and June, 1985

263	The mackerel fishery - a short review	A. Noble	1 - 6
264	Marine fishery of West Bengal coast	S. S. Dan	6 - 8
265	The <i>Disco valai</i>	Jacob Jerold Joel and I. P. Ebenezer	8 - 10

1	2	3	4
266	Bioactivity in echinoderms	D. S. Rao, D. B. James, K. G. Girjavallabhan, S. Muthu- samy and M. Najmuddin	10 - 12
267	Fish food poisoning at Bally, Howrah	S. S. Dan	12 - 13
MFIS 64 : July, August and September, 1985			
268	On the large and mini 'Arribadas' of the Olive ridely <i>Lepidochelys olivacea</i> at Gahirmatha, Orissa during the 1986 season	E. G. Silas, M. Rajagopalan, S. S. Dan and Bastin Fernando	1 - 19
269	Conservation of marine turtles in Andhra Pradesh	R. J. Rao	20 - 21
270	Economics of turtle catch in West Bengal	Kamalkumar Datta and S. S. Dan	21 - 23
271	Leather-back turtle caught off Devbag near Malwan	J. P. Karbhari	23
MFIS 65 : October, November and December, 1985			
272	The prawn fishery of the South Kanara coast with emphasis on the unusual catches of <i>Metapenaeus dobsoni</i> by purse seines and trawls during the first half of September, 1983	K. K. Sukumaran	1 - 7
273	Night trawling for prawns at Mangalore encouraging	K. K. Sukumaran	7 - 12
274	Occurrence of maturing females of 'Kuruma' prawn, <i>Penaeus japonicus</i> in the mariculture farm at Muttukadu	M. Kathirvel	12 - 14
275	An unusual bumper catch of white prawn, <i>Penaeus indicus</i> from Kovalam Bay near Madras	M. Kathirvel, V. Selvaraj, A. Ramakrishnan, S. Palani- chamy, K. Shahul Hameed, P. Poovannan and M. Bose	15 - 17
276	Heavy landing of <i>Parapenaeopsis stylifera</i> (M. Edw.)	S. Ramamurthy and A. Y. Mestry	18
277	The Indian white prawn <i>Penaeus indicus</i> in the purse seine catches	K. V. Somasekharan Nair and V. A. Narayanankutty	19
278	Growth and survival of tiger prawn, <i>Penaeus</i> <i>monodon</i> in the sandy beach ponds at Calicut	S. Lazarus and K. Nanda- kumaran	20 - 21

1	2	3	4
---	---	---	---

MFIS 66 : January, February and March, 1986

279	The Whale shark (<i>Rhiniodon typus</i> Smith) in Indian coastal waters. Is the species endangered or vulnerable ?	E. G. Silas	1 - 19
280	On a whale shark <i>Rhiniodon typus</i> Smith landed at Cuffe Parade beach, Bombay	J. P. Karbhari	
281	On two juvenile whale sharks <i>Rhincodon typus</i> Smith caught at Madras	D. B. James, P. Nammalwar and S. Srinivasarengan	21
282	On the capture of whale sharks off Dakshina Kannada coast	K. Satyanarayana Rao	22 - 29
283	On the landing of a whale shark <i>Rhincodon typus</i> Smith at Anjuna, Goa	P. V. Doiphode	29
284	Note on the occurrence of the whale shark <i>Rhincodon typus</i> Smith off Veraval coast	G. Sudhakara Rao	30
285	Report on the catch of a juvenile whale shark <i>Rhincodon typus</i> Smith at Keelakarai, Gulf of Mannar	P. Nammalwar	30
286	On the largest whale shark <i>Rhincodon typus</i> Smith landed alive at Cuffe Parade, Bombay	J. P. Karbhari and C.J. Josekutty	31 - 35
287	Note on a whale shark <i>Rhincodon typus</i> Smith landed at Pondicherry	L. Chidambaram	36
288	On a juvenile whale shark <i>Rhincodon typus</i> Smith landed at Cochin	K.V. Somasekharan Nair, A.A. Jayaprakash and V.A. Narayanankutty	36
289	On the landing of <i>Rhincodon typus</i> Smith along Adirampatinam coast, Tanjore District, Tamil Nadu	A. Ganapathy	37
290	On a whale shark <i>Rhiniodon typus</i> Smith landed at Cuffe Parade, Bombay	M. Shriram	37

MFIS 67 : April, May and June, 1986

291	Marine fish production in India - 1983 - '84 and 1984 - '85	CMFRI Fishery Resources Assessment Division	1 - 79
-----	---	---	--------

MFIS 68 : July, 1986

292	Lakshadweep - general features and some considerations	S. Jones	1 - 6
-----	--	----------	-------

1	2	3	4
293	Marine fisheries research in Lakshadweep - a historical resume	P.S.B.R. James, C.S. Gopinadha Pillai, P. P. Pillai, P. Livingston and Madan Mohan	7 - 9
294	Environmental features of the sea around Lakshadweep	P. V. R. Nair, A.V.S. Murty, C.P. Ramamirtham, D.S. Rao and V.K. Pillai	10 - 13
295	Productivity of the seas around Lakshadweep	P.V.R. Nair, G. Subbaraju, K. J. Mathew, V.K. Pillai and V. K. Balachandran	13 - 15
296	Exploited and potential resources of tunas of Lakshadweep	E.G. Silas, K.V.Narayana Rao, P.P. Pillai, Madan Mohan, G. Gopakumar, P. Livingston and M. Srinath	15 - 25
297	Exploited and potential resources of live - bait fishes of Lakshadweep	P.P. Pillai, M. Kumaran, C.S. Gopinadha Pillai, Madan Mohan, G. Gopakumar, P. Livingston and M. Srinath	25 - 32
298	Ecological stress in Minicoy Lagoon and its impact on tuna live - baits	C.S. Gopinadha Pillai and Madan Mohan	33 - 37
299	Status of coral reefs in Lakshadweep	C.S. Gopinadha Pillai	38 - 41
300	Potential resources of fishes other than tuna in Lakshadweep	M. Kumaran and G. Gopakumar	41 - 45
301	Ancillary living marine resources of Lakshadweep	K. C. George, P.A. Thomas, K.K.Appukuttan and G. Gopakumar	46 - 50
302	Prospects of development of marine fisheries resources in Lakshadweep	P.S.B.R. James, T. Jacob, C.S. Gopinadha Pillai and P.P. Pillai	51 - 54
303	Bibliography of marine biological and fisheries research in Lakshadweep	CMFRI	55 - 66

MFIS 69 : August, September and October, 1986

304	A study on the socio-economic conditions of fishermen in some selected villages of Maharashtra and Gujarat coasts	D. B. S. Sehara, J. P. Karbhari and R. Sathiadhas	1 - 18
305	Trends in the yield of exploited sciaenid fishery resources along the Indian coasts	P. K. Mahadevan Pillai and S. K. Dharmaraja	18 - 23

1	2	3	4
306	Mechanisation of traditional crafts with out board motors at Vizhinjam	G. Gopakumar, N. Gopala-krishna Pillai and P. N. Radha-krishnan Nair	23 - 28
307	Water pollution and fish mortality in Ennore estuary, Madras	D. B. James, P. Nammalwar and P. Thirumilu	28 - 30
308	On the occurrence of <i>Dromia deharai</i> Rathu-burn in trawler catches off Bombay coast	M. Aravindakshan, C.J. Josekutty and J.P. Karbhari	30
309	Sea erosion at Baitkhol (Karwar) and its effect on indigenous fishing	M. H. Dhulkhed	31
MFIS 70 : November and December, 1986			
310	Prospects of prawn culture in salt pan areas	R. Marichamy	1 - 7
311	Distribution, habits and habitats of palinurid lobsters and their larvae	R. Raghu Prasad	8 - 15
312	Experiments on the culture of <i>Penaeus indicus</i> in polyethylene film-lined ponds at Calicut	S.Lazarus and K. Nandakumaran	16 - 17
313	Some recent observations on small-scale fishery in the vicinity of Madras	E. Vivekanandan, S.K. Balakumar and R. Soundararajan	18 - 19
314	Some observations on marine turtles landed along Maharashtra coast	J.P. Karbhari, A. Prosper, C.J. Josekutty and J.R. Dias	20 - 21
315	Heavy tar ball deposition along Veraval coast in July, 1985	V.D. Deshmukh and S.G. Raje	21 - 22
316	Wind - mill produced electricity for lighting fish farm shed at Mandapam	R. S. Lal Mohan	22 - 23
317	On the unusual catch of <i>Protonibea diacanthus</i> (Lacepede) at Versova, Bombay	S.K. Chakraborty and J.R. Dias	23 - 24
318	Successful long distance road transport of green mussel from Calicut to port Okha	C.R. Trivedi, M. Bhaskaran, D.J. Wadher and F.D. Khhayya	24
319	Report on Baleen whale stranded along Mallipatinam coast, Tanjore District	C. Kasinathan	25
MFIS 71 : January, February and March, 1987			
320	The marine mammals of India	P.S.B.R. James and R.S. Lal Mohan	1 - 13
321	Some observations on dolphins in Mandapam area with a note on their food	S. Krishna Pillai and C. Kasinathan	13 - 16

1	2	3	4
322	Report on Sperm whale <i>Physeter macrocephalus</i> Linnaeus stranded along the Gulf of Mannar coast	M. Sivadas, S. Krishna Pillai, and M. R. Arputharaj	16 - 17
323	On a blue whale <i>Balaenoptera musculus</i> stranded at Chappa beach, Narakkal, Cochin, southwest coast of India	K. V. Somasekharan Nair and A. A. Jayaprakash	17 - 18
324	Lime requirement of pond soils for aquaculture around Cochin backwaters	Joseph Gilbert and V. K. Pillai	18 - 20
325	Some notes on queenfishes and their fishery along the Indian coasts	P. K. Mahadevan Pillai, M. Ayyappan Pillai and A. A. Jayaprakash	21 - 23
326	Heavy landings of prawn (<i>Metapenaeus dobsoni</i>) by purse seiners at Panaji - Goa	G. M. Kulkarni, T. S. Balasubramanian and S. Kemparaju	23

MFIS 72 : April, May and June, 1987

327	Impressions of a recent visit to Lakshadweep from the fisheries and marine biological perspectives	P. S. B. R. James, P. P. Pillai and A. A. Jayaprakash	1 - 11
328	Role of women in small- scale fisheries- a case study	Krishna Srinath	12 - 17
329	A note on the long line fishery at Sikka, Gujarat	S. G. Raje	18
330	Marine algal flora from selected centres along the Madras coast	V. S. K. Chennubhotla and N. Kaliaperumal	19
331	Observations on the landing of lantern fish <i>Myctophum pterotum</i> Alcock along Maharashtra coast	M. Aravindakshan, K. B. Waghmare, J. P. Karbhari, C. J. Josekutty and M. Shriram	20
332	Status and distribution of estuarine turtles in India	Indraneil Das	21 - 22
333	New all-weather fishery harbour for Veraval	A. P. Lipton and S. G. Raje	23 - 25

MFIS 73 : July, 1987

334	Impact of environmental changes and human interference on the prawn fishery resources	C. Suseelan	1 - 5
335	An account on the sub-fossil shell deposits of Kovalam Backwater	R. Thangavelu, K. Ranganathan and P. Poovannan	5 - 7

1	2	3	4
336	On an unusual catch of bigeye tuna <i>Selar crumenophthalmus</i> (Bloch) in shore seine at Vizhinjam	P. N. Radhakrishnan Nair and N. Gopalakrishna Pillai	7 - 10
337	Bombay duck landings by trawlers at Sassoon Dock, Bombay during 1983 - '84	M. Aravindakshan and J. P. Karbhari	10
338	An unusual fishery for Indian scad <i>Decapterus russelli</i> and occurrence of Indian ruff <i>Psenopsis cyanea</i> at Calicut with notes on biology of former species	T. M. Yohannan and K. K. Balasubramanian	11 - 14
339	Bumper catch of cat fish at Pondicherry	L. Chidambaram	14
340	On the occurrence of seeds of threadfin bream and Indian sand whiting along the Calicut coast	S. Lazarus and K. Nandakumaran	15
341	On an unusual landing of catfish <i>Arius caelatus</i> (Cuvier and Valenciennes) at Rameswaram Verkottil, Tamil Nadu	S. Subramani	15 - 16
342	A note on an unusual occurrence of horse mackerel <i>Megalaspis cordyla</i> (Linnaeus) in the Kovalam Bay, Madras	R. Thangavelu, P. Poovannan and K. Shahul Hammed	16
343	Large- scale damage due to fire at the Vizhinjam fish landing centre	P. N. Radhakrishnan Nair	17
MFIS 74 : August, 1987			
344	Gorgonid resources of India	P. A. Thomas and Rani Mary George	1 - 13
345	How KVK-trained women utilise the new knowlege ?	Krishna Srinath	13 - 16
346	A note on the heavy landings of <i>Diagramma pictum</i> along the Saurashtra coast	Y. D. Savaria	16
347	High landing of prawn (<i>Metapenaeus dobsoni</i>) by purse seiners at Panaji, Goa	G.M. Kulkarni, T.S. Balasubramanian and S. Kemparaju	17
MFIS 75 : September, 1987			
348	An instance of mass fish mortality at Mandapam, south-east coast of India	M. Badrudeen, A. Bastin Fernando, C. Kasinathan, N. Kaliaperumal, S. Krishna - Pillai, V. Kunjukrishna Pillai, G. Pandian, M. Sivadas and P. Vedavyasa Rao	1 - 5

1	2	3	4
349	Culture of fin fishes along the coast of Tamil Nadu	R. Marichamy	5 - 11
350	Beach erosion at Kovalam fishing village, Tamil Nadu with some comments on the seasonal shifts in the coastline along the Kovalam Bay	Geeta Bharathan and E.V. Radhakrishnan	11 - 17
MFIS 76 : October, 1987			
351	Monsoon prawn fishery by indigenous gears along the Mangalore coast	K.K. Sukumaran	1 - 4
352	Heavy landings of <i>Stolephorus devist</i> by shore seines along Madras coast	R. Thangavelu, M. Bose and P. Poovannan	5 - 6
353	Occurrence of mussel seed on dredger pantoons in Ennore estuary, Madras	P.V. Sreenivasan, R. Thangavelu, R. Sarvesan and P. Poovannan	7 - 8
354	Culture of milkfish in polyethylene film ponds	S. Lazarus and K. Nandakumaran	9 - 12
355	Formation of sand bar at Madras fisheries harbour	D.B. James, P. Devadoss and S. Chandrasekar	12 - 13
356	Price structure of the commercially important species of prawns at Mangalore	K.K. Sukumaran	14
357	Unusually heavy landing of King seer fish at New Ferry Wharf, Bombay	V.D. Deshmukh and M. Shriram	15 - 16
358	The induced maturation and larval rearing of the king prawn <i>Penaeus latisulcatus</i> Kishinouye under controlled conditions	M. Kathirvel, V. Selvaraj, S. Palanichamy and A. Ramakrishnan	16 - 20
359	Sea erosion threat to coastal fishing villages of Valsad District, Gujarat	A.P. Lipton, S.G. Raje and M. Chellappan	
MFIS 77 : November, 1987			
360	Small- scale pole and line tuna fishery in Lakshadweep — present trend, constraints and strategies for future developments	P.S.B.R. James, G. Gopakumar and P.P. Pillai	1 - 10
361	Tidal waves cause damages to coastal villages in Kerala	K.J. Mathew, N. S. Kurup, V. Chandrika, G. Balakrishnan and N. Gopalakrishna Pillai	11 - 15
362	An unusual catch of Threadfin breams by trawl net at Veraval	S.G. Raje and A.P. Lipton	15 - 17

1	2	3	4
363	Introduction of mechanised-cum-sail crafts at Kakinada	C.V. Seshagiri Rao	17 - 18
364	Newfangled tackles for cephalopods	Jacob Jerold Joel and I. P. Ebenezer	18 - 20
365	Recovery of a ringed Dusky shark <i>Carcharhinus obscurus</i>	A. P. Lipton. S. G. Raje, Ravi Fotedar and Ranjit Singh	21
MFIS 78 : December, 1987			
366	A study on 'Dol' net fishery at slected centres in northwest coast with special reference to costs and returns	D. B. S. Sehara and J. P. Karbhari	1- 15
367	Note on the exploitation of edible oysters in Kovalam-Muttukadu backwaters, Madras	P. V. Sreenivasan, R. Thangavelu, R. Sarvesan and P. Poovannan	15 -16
368	On a Baleen whale landed at Hollangade, Karnataka coast	K. Y. Telang	17
369	Nylon made shore seine to catch more fish	C. V. Seshagiri Rao	17 - 18
370	An account on light-fishing for the carangid <i>Selar crumenophthalmus</i>	Jacob Jerold Joel, R. Bhaskaran Achari and T. G. Vijaya Warriar	19
371	Occurrence of mature <i>Mugil cephalus</i> along the Calicut coast	R. S. Lal Mohan and K. Nandakumaran	20
372	Heavy landings of cat fish by 'Dol' nets at Sassoon Dock	K. B. Waghmare	21
MFIS 79 : January, 1988			
373	Marine Fish Calendar. 1. Mangalore	K. V. Narayana Rao, C. Muthiah and Madan Mohan	1 - 23
374	Growth of larvae and spat of the green mussel <i>Perna viridis</i> (Linnaeus) in hatchery	P. V. Sreenivasan, K. Sathyanarayana Rao, P. Poovannan and R. Thangavelu	23 - 26
375	Experimental molluscan seed transport	A. Chellam, S. Dharmaraj, T. S. Velayudhan and P. Muthiah	26 - 28
376	A record catch of 'Ghol' (<i>Protonibea diacanthus</i> (Lacepede) of Satpati, Bombay Coast	J. P. Karbhari, J. R. Dias and M. Aravindakshan	28 - 29

MFIS 80 : February, 1988

377	Marine Fish Calendar. 2. Visakhapatnam	G. Luther, T. Appa Rao, S. Reuben, Y. Appanna Sastry, M.V.Somaraju, C. Gopal and K. Radhakrishna	1-21
378	Some observations on the food consumption pattern and nutritional status of a marine fishermen community	Krishna Srinath	22-26
379	Unusual fishery for oil sardines along the west Saurashtra coast	R. K. Fotedar and Y.D. Savaria	26 - 27
380	Acetes shrimp fishery of Bombay coast	M. Aravindakshan and J.P. Karbhari	28 - 29

MFIS 81 : March, 1988

381	Marine fish calendar. 3. Calicut	M.Kumaran, T.M. Yohannan and Feroz Khan	1 - 9
382	Potentialities of Muttukadu mariculture farm for green mussel culture	P.V. Sreenivasan, R. Thanga- velu and P. Poovannan	10 - 12
383	Observations on the fishery of Banana prawn along the North Kanara coast with notes on its schooling behaviour and migration	G. Nandakumar	13 - 15
384	On the occurrence of <i>Mesopodops orientalis</i> Tattersall, a mysid off Maharashtra coast, with a note on its fishery	M. Aravindakshan, J.P. Karbhari, C.J. Josekutty and J.R. Dias	15 - 16
385	On a whale shark <i>Rhincodon typus</i> Smith landed at Pudumanaikuppam, Madras	S. Subramani	16
386	On the capture of a giant sized Indian threadfin <i>Polynemus indicus</i> Shaw at Satpati, Maharashtra Coast	J. P. Karbhari, J. K. Dias M. Aravindakshan	17

MFIS 82 : April, 1988

387	Marine Fish Calendar. 4. Cochin	M. Abdul Nizar, K. Balachandran, V.N. Bande, K.C. George, N. Gopinatha Menon, Grace Mathew, A.A. Jayaprakash, Kesavan Elayath, V.A. Narayanan Kutty, J. Narayanaswami, A. Noble, Puthran Prathiba, R. Reghu, S. Sivakami and K.V. Soma- sekharan Nair	1 - 23
-----	---------------------------------	--	--------

1	2	3	4
388	Monsoon prawn fishery by 'Matabala' along the Mangalore coast - a critical study	K. K. Sukumaran, Alli, C. Gupta, Uma, S. Bhat, D. Nagaraja, H. Ramachandra, O. Thippeswamy and Y. Muniyappa	23 - 28
389	Preliminary observations on the efficiency of some microalgal foods on the growth of green mussel larvae	P.V. Sreenivasan, K. Satyanarayana Rao, P. Poovannan and R. Thangavelu	29
MFIS 83 : May, 1988			
390	Marine Fish Calendar. 5. Kakinada	V. Sriramachandra Murty, M.K. Bandopadhyay and P. Ramalingam	1 - 17
391	Salinity changes in the estuary and the coastal sea adjacent to the portmouth at Cochin	S. Muthusamy, C.P. Ramamirtham, N.P. Kunhikrishnan, L.R. Khambadkar, A. Nandakumar and A.V.S. Murty	18
392	Stomatopod resources of the South Kanara coast during 1983 - '86	K.K. Sukumaran	19 - 2
393	Some aspects on the fishery and biology of Periscope shrimp from Bombay waters	M. Aravindakshan and J.P. Karbhari	21 - 23
394	On a seasonal hooks and line fishery with catamarans along Calicut coast	R.S. Lal Mohan and K. Nandakumaran	23 - 25
MFIS 84 : June, 1988			
395	Marine Fish Calendar. 6. Tuticorin	S. Mahadevan, P. Sam Bennet, K.M.S. Ameer Hamsa and H. Mohamed Kasim	1 - 8
396	On the availability of tuna live-bait fishes at Vizhinjam	P.S.B.R. James, S. Lazurus and C.S. Gopinatha Pillai	8 - 10
397	Olive ridleys landed at Pamban reported	C. Kasinathan	10
398	Phytoplankton blooms along the Indian coasts - some highlights	K.J. Mathew, P.A. Thomas, Rani Mary George, K.G. Girjivallabhan, Pon. Siraimetian, T.S. Naomi, K. Ramachandran Nair, Geetha Antony, G. Subramanya Bhat and M. Selvaraj	11 - 13

1	2	3	4
MFIS 85 : July, 1988			
399	Marine Fish Calendar. 7. Madras	S. Ramamurthy, J. C. Gnana- muthu, E. Vivekanandan, P. Ramadoss and S. Chandra- sekhar	1 - 9
400	Bumper catch of silver pomfret <i>Pampus argenteus</i> at Satpatil, Bombay	V. M. Deshmukh, J. R. Dias and B. B. Chavan	10
401	Nursery ground for early juveniles of tiger prawn in Kovalam backwater near Madras	M. Kathirvel and V. Selvaraj	10 - 11
402	On a large adult Zebra shark landed at Pamban	S. Krishna Pillai and C. Kasi- nathan	11
403	On a large devil ray landed at Karwar	K. Y. Telang and T. B. Hari- kantra	11
404	On the stranding of a Hump back whale in the north Kerala coast	C. Muthiah, Sunil Mohamed, K., Ganesh Bhatkal and Bharmu Melinamant	12
405	On a Burmese fishing raft drifted to Madras	S. Srinivasarengan, E. Vive- kanandan, K. G. Girjavalla- bhan, R. Sarvesan, L. Jaya- sankaran and K. S. Krishnan	12 - 13
406	On the fishery of <i>Acetes johni</i> at Karwar and Tadri	V. S. Kakati, K. Y. Telang and C. K. Dinesh	13
MFIS 86 : August, 1988			
407	Marine Fish Calendar. 8. Veraval	A. P. Lipton, T. Appa Rao, S. G. Raje, C. Gopal, Ranjit Singh, P. B. Thumber and H. K. Dhokia	1 - 20
408	Sponge-generated bioerosion in Lakshadweep	P. A. Thomas	20 - 26
409	Introduction of 43 footer mechanised boats for commercial trawling along the coast of Andhra Pradesh	K. Chittibabu, P. Ramalingam, K. Dhanaraju and T. Nageswara Rao	27 - 29
MFIS 87 : September, 1988			
410	Marine Fish Calendar. 9. Vizhinjam	P. N. Radhakrishnan Nair, N. Gopalakrishna Pillai, P. S. Sadasiva Sharma, A. K. Vela- yudhan, Mathew Joseph, K. T. Thomas and T. A. Omana	1 - 15

1	2	3	4
411	Prawn fishery by the 'Big trawlers' along the northeast coast	G. Sudhakara Rao	15 - 30
412	Successful induced spawning and rearing of the holothurian <i>Holothuria (matriatyla) scabra</i> Jaeger at Tuticorin	D. B. James, M. E. Rajapandian, B. K. Baskar and C. P. Gopinathan	30 - 33
MFIS 88 : October, 1988			
413	Marine Fish Calendar. 10. Karwar	M. H. Dhulkhed and G. G. Annigeri	1 - 13
414	Oil sardine, an emerging new fishery resource along the east coast	G. Luther	13 - 19
415	On five whale sharks landed along the Trivandrum Kanyakumari coast	S. Lazarus, Jacob Jerold Jeol, K. K. Phillippose and S. G. Vincent	19 - 20
416	Record catch of Tiger sharks from Maharashtra coast	M. Aravindakshan	20
417	Report on two dolphins washed ashore near Mandapam	S. Krishna Pillai and C. Kasinathan	21
MFIS 89 : November, 1988			
418	Marine Fish Calendar. 11. Bombay	P. V. Kagwade, S. K. Chakraborty, Mohammed Zafar Khan and J. D. Sarang	1 - 12
419	Psycho-social aspects of fishermen with respect to motorization	Krishna Srinath	13-15
420	Report on a diamond-back squid caught off Veraval, Gujarat	A. P. Lipton	16
421	Bumper catch of 'Kalaru' from Dhanushkodi and Moondrurayarchathiram (Palk Bay), Rameswaram Island	C. Kasinathan	16 - 17
422	Unusual landing of catfish <i>Tachysurus dussumieri</i> at Madras	S. Srinivasarengan	17
MFIS 90 : December, 1988			
423	Marine Fish Calendar. 12. Mandapam	P. Livingston, M. Sivadas and M. Badrudeen	1 - 12
424	Marine Fish Calendar. 13. Minicoy	P. P. Pillai, G. Gopakumar and K. K. Kunhikoya	12 - 15

1	2	3	4
425	Recent developments in prawn and fish culture in Andhra Pradesh	M. S. Muthu, K. A. Narasimham, K. Gopalakrishna and A. K. Sharma	16 - 20
MFIS 91 : January, 1989			
426	Marine fish production in India - 1985 - '86	The Fishery Resources Assessment Division of CMFRI, Cochin	1 - 32
MFIS 92 : February, 1989			
427	<i>Beche-de-mer</i> : its resources, fishery and industry	D.B. James	2 - 30
MFIS 93 : March, 1989			
428	Proceedings of the Workshop on Fisheries Research and Development in Maharashtra held at Bombay on 25th and 26th May, 1988	C. M. F. R. I.	1 - 6
429	Recommendations of the workshop on Marine Fisheries Research and Development in Maharashtra	C. M. F. R. I.	7 - 9
430	Prawn fisheries on Maharashtra coast and problems of prawn culture in the state	M. S. Muthu	9 - 10
431	General account on the problems of marine fisheries research and development in Maharashtra	S. Ramamurthy	11 - 12
432	Marine fisheries research in Maharashtra	P.V. Kagwade	12 - 13
433	Fishery oceanographic conditions off the coast of Maharashtra	K. Radhakrishna	14 - 15
MFIS 94 : April, 1989			
434	The prawn, fish and molluscan seed resources along the Kerala and Tamil Nadu coasts	E.G. Silas and others	1 - 15
MFIS 95 : May, 1989			
435	Drift net fishery at Calicut with special reference to scombroids	T.M. Yohannan and K.K. Balasubramanian	1 -- 5
436	On seasonal abundance of Threadfin breams off Visakhapatnam coast	T. Appa Rao and K.V. Narayana Rao	5 - 6
437	Survival of hatchery produced green mussel seed in different salinities	P.V. Sreenivasan, K. Satyanarayana Rao and P. Poovannan	6 - 8

1	2	3	4
438	On a bumper catch of catfish, "Manthankelaru" landed at Verkottil centre, Rameswaram Island	C. Kasinathan and M. Bose	8
439	Instance of heavy catches of <i>Metapenaeus dobsoni</i> along the Madras coast	S. Sankaralingam	8
440	On a leatherback turtle caught from Palk Bay, off Mandapam	P. Vedavyasa Rao, A. A. Jayaprakash and M. Ramamoorthy	9
441	On Olive ridley turtles landed along Ratnagiri coast	B. N. Katkar	9
442	A report on the whales sighted off Mandapam on the Palk Bay side on 5th July, 1988	P. Vedavyasa Rao, P. Livingston and Atmaram Misra	10
443	On a Sperm whale stranded at Madras	P. Nammalwar, S. Srinivasarengan and S. Mohan	10 - 11
444	On a Baleen whale landed at Pudumanai-kuppam, Madras District	S. Subramani	11-12
445	On the stranding of Sei whale <i>Balaenoptera borealis</i> along the Gulf of Mannar coast	H. Mohamed Kasim and T. S. Balasubramanian	12 - 14
446	Marked Blackstrip shark landed at Calicut	M. Ferozkhan and K. Nandakumaran	14 - 15
MFIS 96 : June, 1989			
447	Socio-economic status of marine fishermen along Madras coast	R. Sathiadas and K. K. P. Panikkar	1 - 6
448	On the emergence of oil sardine fishery along Madras coast	J. C. Gnanamuttu and V. Thangaraj Subramanian	6 - 7
449	Introudction of 'Ringu vala' along Calicut coast with a note on its general impact	M. Sivadas and K. K. Balasubramanian	8 - 10
450	Seaweed resources off Tamil Nadu coast : Kattapadu - Tiruchendure	V.S.K. Chennubhotla, N. Kaliaperumal, S Kalimuthu, J. R. Ramalingam, S. Krishna Pillai, K. Subharamaiah, K. Rama Rao and P. V. Subba Rao	10 - 11
451	On an unusually large Sea cow <i>Dugong dugong</i> landed at Mandapam, Gulf of mannar	S. Krishna Pillai, J. D. Ambrose and M. Sivadas	12 - 13
452	Unusual landing of goat fishes by trawl nets at Visakhapatnam	T. Appa Rao, K. Narayana Rao and M. Chandrasekhar	13 - 14

1	2	3	4
453	Unusual landings of young oil sardine off Madras coast	J. C. Gnanamuttu, Bastin Fernando and S. Chandrasekhar	14
MFIS 97 : July, 1989			
454	The present status of coastal tuna fishery at Vizhinjam, Trivandrum coast	G. Gopakumar and P. S. Sadasiva Sarma	1 - 7
455	Comparative economic efficiency of sail boats operating different gears in Tamil Nadu	R. Sathiadhas	8 - 16
456	'Glowing sea' phenomenon due to the swarming of <i>Noctiluca miliaris</i> on the southeast coast	C. P. Gopinathan, Pon. Siraimeetan, J. X. Rodrigo and M. Selvaraj	16 - 17
457	The impact of cyclone along the West Bengal coast in November , '88	P. B. Dey and S. S. Dan	17 - 19
MFIS 98 : August, 1989			
458	Economics of gillnet fishing by OBM units at selected centres in northwest coast	D. B. S. Sehara and J. P. Karbhari	1 - 8
459	A note on the processing of the jelly fish at Alambaraikuppam near Mahabalipuram	M. D. K. Kuthalingam, D. B. James, R. Sarvesan, P. Devadoss, S. Manivasagam and P. Thirumilu	8 - 10
460	Long lining for deep sea sharks at Maple - A lucrative fishery	K. K. Sukumaran, K. Sunilkumar Mohamed, K. Chandran, Alli, C. Gupta, Uma, S. Bhat and S. Kemparaju	10 - 13
461	On the landing of a large saw fish at Madras	P. Devadoss, J. C. Gnanamuttu, S. Srinivasarangan and S. Subramani	13
462	On unusual heavy landing of cat fish <i>Tachysurus dussumieri</i> (Valenciennes) at Kasimedu, Madras	P. Nammalwar, G. Mohanraj, J. C. Gnanamuthu, N. S. Radhakrishnan, R. Sarvesan, V. Thangaraj Subramanian, S. Subramani and P. Thirumilu	14
463	Squally weather disrupted fishing activities along Maharashtra coast in September, 1988	V. V. Singh and S. G. Raje	15
464	On the accidental catch of the Spinner dolphin from Gulf of Mannar, Mandapam	S. Krishna Pillai, M. Bose and R. Subramanian	15 - 16

MFIS 99 : September, 1989

465	The present status of small -scale traditional fishery at Tuticorin	P. Sam Bennet and G. Arumugham	1 - 15
466	An unusal congregation of organisms in the catches off Kovalam, Madras	E. V. Radhakrishnan, M. Kathirvel, K. Devarajan, M. Vijayakumaran, P. Poovannan, R. Thangavelu, K. Shahul Hameed . S. Sankaralingam, A. Ramakrishnan and V. Thangaraj Subramanian	16 - 18

MFIS 100 : October, 1989

467	Costs and earnings of trawlers operating at Tuticorin Fisheries Harbour (Tamil Nadu)	R. Sathiadhas and K. K. P. Panikkar	1 - 8
468	The current trend of the mussel fishery in the Kanyakumari District of Tamil Nadu	Jacob Jerold Joel and I. P. Ebenezer	9 - 13
469	Size and weight reduction in <i>Holothuria scabra</i> processed as <i>beche-de-mer</i>	B. K. Bhaskar and P. S. B. R. James	13 - 16

AUTHOR INDEX

A

Abdul Nizar, M. : 387
Alagaraja, K. : 241
Alli, C. Gupta : 388, 460
Ambrose, J. D. : 451
Ameer Hamsa, K.M.S. : 234, 395, 434
Annigeri, G.G. : 245, 413
Appannasastry, Y. : 377
Appa Rao, T. : 377, 407, 436, 452
Appukuttan, K. K. : 232, 301
Aravindakshan, M. : 225, 254, 308, 331, 337,
376, 380, 384, 386, 393, 416
Arputharaj, M. R. : 322
Arumugham, G. : 465
Ashokakumaran Unnithan, K. : 246
Atmaram Misra : 442
Ayyappan Pillai, M. : 231, 325

B

Badrudeen, M. : 348, 423
Balachandran, K. : 387
Balachandran, V.K. : 295
Balakrishnan, G. : 241, 361
Balakumar, S.K. : 313
Balan, V. : 247
Balasubramaniam, T.S. : 326, 347, 445
Balasubramanian, K.K. : 221, 338, 435, 449
Bande, V.N. : 387
Bandopadhyay, M.K. : 390
Baskar, B.K. : 412, 469
Bastin Fernando : 268, 348, 434, 453
Bensam, P. : 434
Bharmu Melnamani : 404
Bhaskaran Achari, R. : 370
Bhaskaran, M. : 318
Bose, M. : 275, 352, 438, 464

C

Chakraborty, S.K. : 228, 254, 317, 418

Chandran, K. : 460
Chandrasekhar, M. : 452
Chandrasekhar, S. : 243, 355, 399, 453
Chandrika, V. : 361
Chavan, B.B. : 400
Chellam, A. : 375
Chellappa, M. : 359
Chellappan, K. : 221
Chennubhotla, V.S.K. : 330, 450
Chidambaram, L. : 248, 257, 287, 339
Chittibabu, K. : 409
C.M.F.R.I. : 220, 230, 236, 237, 260, 291,
303, 426, 428, 429

D

Dan, S.S. : 264, 267, 268, 270, 457
David Raj, I. : 222
Deshmukh, V.D. : 228, 315, 357
Deshmukh, V.M. : 400
Devadoos, P. : 355, 459, 461
Devarajan, K. : 466
Dey, P. B. : 457
Dhanaraju, K. : 409
Dhandapani, T. : 253, 434
Dharmaraj, S. : 375
Dharmaraja, S.K. : 217, 305
Dhokia, H.K. : 407
Dhulkhed, M. H. : 245, 309, 413
Dias, J.R. : 314, 317, 376, 384, 386, 400
Dinesh, C. K. : 406
Dotphode, P. V. : 283

E

Ebenezer, I. P. : 265, 364, 468

F

Fotedar, R.K. : 379
Feroz Khan, M. : 381, 446

G

Ganapathy, A. : 289
 Genesh Bhatkal : 404
 Geetha Antony : 398
 Geetha Bharathan : 253, 350
 George, K.C. : 301, 387
 George, M. J. : 217, 221
 Gerald, J. Bakus : 240
 Girtjavallabhan, K.G. : 249, 253, 266, 398, 405
 Gnanamuthu, J.C. : 399, 448, 453, 461, 462
 Gopakumar, G. : 296, 297, 300, 301, 306, 360, 424, 454
 Gopal, C. : 377, 407
 Gopalakrishna, K. : 425
 Gopalakrishnan, K.N. : 221, 434
 Gopalakrishna Pillai, N. : 306, 336, 361, 410
 Gopinatha Menon, N. : 261, 387, 434
 Gopinathan, C. P. : 412, 456
 Gopinatha Pillai, C.S. : 293, 297, 298, 299, 302, 396
 Grace Mathew : 387

H

Harikantra, T. B. : 403

I

Indraneil Das : 332

J

Jacob Jerold Joel : 265, 364, 370, 415, 468
 Jacob, T. : 302
 James, D.B. : 226, 235, 243, 266, 281, 307, 355, 412, 427, 459
 James, P.S.B.R. : 293, 302, 320, 327, 360, 396, 469
 Jayaprakash, A.A. : 231, 288, 323, 325, 327, 387, 440
 Jayasankaran, L. : 405
 John Motha : 310
 Johnson, E. : 217
 Jones, S. : 292
 Josekutty, C.J. : 286, 308, 314, 331, 384
 Joseph Gilbert : 324

K

Kagwade, P.V. : 418, 432
 Kakati, V.S. : 221, 406
 Kallaperumal, N. : 330, 348, 450
 Kalimuthu, S. : 450
 Kamalkumar Datta : 270
 Karbhari, J.P. : 225, 271, 280, 286, 304, 308, 314, 331, 337, 366, 376, 380, 384, 386, 393, 458
 Kasinathan, C. : 319, 321, 348, 397, 402, 417, 421, 438
 Kathirvel, M. : 253, 274, 275, 358, 401, 466
 Katkar, B.N. : 441
 Kemparaju, S. : 326, 347, 460
 Kesavan Elayath : 387
 Khambadkar, L.R. : 224, 391
 Khhayya, F.D. : 318
 Krishnan, K.S. : 405
 Krishna Pillai, S. : 321, 322, 348, 402, 417, 450, 451, 464
 Krishna Srinath : 328, 345, 378, 419
 Kuber Vidyasagar : 228
 Kulkarni, G.M. : 326, 347
 Kumaran, M. : 297, 300, 381
 Kunhikoya, K.K. : 424
 Kunhikrishnan, N.P. : 391
 Kunjukrishna Pillai, V. : 222, 294, 295, 324, 348
 Kurup, N.S. : 221, 361
 Kuthalingam, M.D.K. : 459

L

Lalitha Devi, S. : 244, 259
 Lal Mohan, R.S. : 223, 233, 255, 262, 316, 320, 371, 394, 434
 Lazarus, S. : 218, 278, 312, 340, 354, 396, 415, 434
 Lipton, A.P. : 333, 359, 362, 365, 407, 420
 Livingston, P. : 293, 296, 297, 423, 442
 Luther, G. : 377, 414

M

Madan Mohan : 293, 296, 297, 298, 373

Mahadevan, S. : 258, 395
 Mahadevan Pillai, P.K. : 305, 325
 Manivasagam, S. : 459
 Marichamy, R. : 242, 310, 349
 Martin Thompson, P.K. : 246
 Mathew, C.V. : 261
 Mathew Joseph : 410
 Mathew, K.J. : 224, 238, 295, 361, 398, 434
 Mestry, A.Y. : 276
 Mohamed Kasim, H. : 395, 445
 Mohamed, K.H. : 312
 Mohamed Zafar Khan : 418
 Mohan, S. : 443
 Mohanraj, G. : 462
 Muniyappa, Y. : 388
 Murty, A.V.S. : 294, 391
 Muthiah, C. : 256, 373, 404
 Muthiah, P. : 375
 Muthu, M.S. : 312, 425, 430
 Muthusamy, S. : 266, 391

N

Nagappan Nair, K. : 239, 252
 Nagaraja, D. : 388
 Nageswara Rao, T. : 409
 Naik, D.Y. : 245
 Najumuddin, M. : 266
 Nalini, C. : 221
 Nammalwar, P. : 234, 253, 281, 285, 307, 434, 443, 462
 Nandakumar, A. : 391
 Nandakumar, G. : 229, 245, 250, 383, 434
 Nandakumaran, K. : 218, 278, 312, 340, 354, 371, 394, 434, 446
 Naomi, T.S. : 398
 Narasimham, K.A. : 244, 425
 Narayanan Kutty, V.A. : 277, 288, 387
 Narayana Rao, K. : 452
 Narayana Rao, K.V. : 296, 373, 436
 Narayanaswami, J. : 387
 Noble, A. : 263, 387

O

Omana, T.A. : 410

P

Palanichamy, S. : 275, 358
 Pandian, G. : 348
 Panikkar, K.K.P. : 447, 467
 Philipose, K.K. : 415
 Pillai, P.P. : 224, 231, 293, 296, 297, 302, 327, 360, 424
 Pon Siraimetan : 398, 456
 Ponniah, A.G. : 222
 Poovannan, P. : 275, 335, 338, 342, 352, 353, 367, 374, 382, 389, 437, 466
 Prabhakaran Nair, K. : 232, 434
 Prathibha Puthran : 387
 Prosper, A. : 314

R

Radhakrishna, K. : 377, 433
 Radhakrishnan, E.V. : 350, 466
 Radhakrishnan, N.S. : 462
 Radhakrishnan, P. : 246
 Radhakrishnan Nair, P.N. : 306, 336, 343, 410
 Raghu Prasad, R. : 311
 Rajagopalan, M. : 253, 268, 434
 Rajan, C.T. : 239
 Rajan, K.N. : 221
 Rajapackiam, S. : 242
 Rajapandian, M.E. : 412
 Raje, S.G. : 315, 329, 333, 359, 362, 365, 407, 463
 Ramachandra, H. : 388
 Ramachandran Nair, K. : 398
 Ramachandran Nair, P.V. : 294, 295
 Ramadoss, K. : 239
 Ramadoss, P. : 233, 399, 434
 Ramakrishnan, A. : 275, 358, 466
 Ramalingam, J. R. : 450
 Ramalingam, P. : 390, 409
 Ramamirtham, C. P. : 294, 391
 Ramamoorthy, M. : 440
 Ramamurthy, S. : 228, 276, 399, 431
 Rama Rao, K. : 450
 Rangarajan, K. : 219, 335, 434
 Rangaswamy, V.S. : 434
 Rengarajan, K. : 224, 434

Rani Mary George : 344, 398
Ranjit Singh : 365, 407
Rao, D.S. : 224, 249, 266, 294
Rao, R.J. : 269
Ravi Fotedar, : 365
Reghu, R. : 387
Reuben, S. : 377
Rodrigo, J.X. : 456

S

Sadasiva Sarma, P.S. : 410, 454
Sam Bennet, P. : 395, 465
Sankaralingam, S. : 439, 466
Sarang, J.D. : 418
Sarvesan, R. : 243, 353, 367, 405, 459, 462
Sathiadhas, R. : 227, 304, 447, 455, 467
Sathyanarayana Rao, K. : 252, 282, 374, 389, 437
Savaria, Y.D. : 346, 379
Sehara, D.B.S. : 304, 366, 458
Selvaraj, G.S.D. : 244, 434
Selvaraj, M. : 398, 456
Selvaraj, V. : 275, 358, 401
Seshagiri Rao, C.V. : 363, 369
Shahul Hameed, K. : 275, 342, 466
Shanmugham, S. : 434
Sharma, A.K. : 425
Shriram, M. : 290, 331, 357
Silas, E.G. : 231, 268, 279, 296, 434
Singh, V.V. : 463
Sivadas, M. : 322, 348, 423, 449, 451
Sivakami, S. : 387
Somaraju, M.V. : 377
Somasekharan Nair, K.V. : 233, 251, 277, 288, 323, 387, 434
Soundararajan, R. : 313
Sreenivasan, P.V. : 353, 367, 374, 382, 389, 437
Srinath, M. : 296, 297
Srinivasarengan, S. : 257, 281, 405, 422, 443, 461
Sriramachandra Murty, V. : 390
Subbaraju, G. : 217, 295
Subharamaiah, K. : 450
Subba Rao, P.V. : 450
Subramani, S. : 341, 385, 444, 461, 462
Subramanian, R. : 464

Subramanya Bhat, G. : 398
Sudhakara Rao, G. : 284, 411
Sukumaran, K.K. : 229, 272, 273, 351, 356, 388, 392, 460
Sundaram, K. S. : 434
Sundaram, N. : 239
Sunil Mohamed, K. : 404, 460
Suseelan, C. : 221, 334

T

Telang, K.Y. : 368, 403, 406
Thangaraj Subramanian, V. : 448, 462, 466
Thangavelu, R. : 335, 342, 352, 353, 367, 374, 382, 389, 466
Thiagarajan, R. : 234, 434
Thirumilu, P. : 226, 307, 459, 462
Thippeswamy, O. : 388
Thomas, K.T. : 232, 410
Thomas, M.M. : 221
Thomas, P.A. : 301, 344, 398, 408
Thulasidas, K. : 251
Thumber, P.B. : 407
Trivedi, C.R. : 318

U

Uma, S. Bhat : 388, 460

V

Vedavyasa Rao, P. : 348, 440, 442
Velayudhan, A.K. : 410
Velayudhan, T.S. : 375
Venkataraman, G. : 227
Vijayakumaran, M. : 466
Vijaya Warriar, T.G. : 370
Vincent, D. : 222, 224
Vincent, S.G. : 415
Vivekanandan, E. : 313, 399, 405

W

Wadher, D.J. : 318
Waghmare, K.B. : 331, 372

Y

Yohannan, T.M. : 338, 381, 435.

GEOGRAPHICAL INDEX FOR TITLES

- Adirampattinam : 289
 Alambaraikuppam : 459
 Andaman and Nicobar Islands : 223, 235
 Andhra Pradesh : 259, 269, 409, 425
 Anjuna : 283
 Antarctica : 238
 Baikhhol : 309
 Bally : 267
 Bombay : 228, 254, 276, 280, 286, 290, 308, 317, 337, 357, 376, 380, 393, 400, 418, 428
 Calicut : 233, 237, 261, 278, 312, 318, 338, 340, 371, 381, 394, 435, 446, 449
 Chappa : 323
 Cochin : 231, 251, 288, 323, 324, 387, 391
 Cuffe Parade : 280, 286, 290
 Devbag : 271
 Dhanushkodi : 421
 East coast : 414
 Ennore : 307, 353
 Gahirmatha : 268
 Goa : 283, 291, 326, 347, 426
 Gujarat : 304, 329, 359, 420
 Gulf of Mannar : 234, 285, 322, 445, 451, 564
 Hollengade : 368
 Howrah : 267
 Kakinada : 244, 259, 363, 390
 Kali river : 239
 Kanyakumari : 415, 468
 Karnataka : 239, 368
 Karwar : 245, 250, 309, 403, 406, 413
 Kasimedu : 462
 Kattapadu : 450
 Keelakarai : 285
 Kerala : 221, 227, 233, 361, 404, 434
 Kovalam : 275, 335, 342, 350, 367, 401, 466
 Lakshadweep : 292, 293, 294, 295, 296, 297, 299, 300, 301, 302, 303, 327, 360, 408
 Madras : 226, 243, 253, 275, 281, 307, 313, 330, 342, 352, 353, 355, 367, 385, 399, 401, 405, 422, 439, 443, 444, 447, 448, 453, 461, 462, 466
 Mahabalipuram : 459
 Maharashtra : 225, 304, 314, 331, 384, 386, 416, 428, 429, 430, 431, 432, 433, 463
 Mallipattinam : 319
 Malpe : 460
 Malwan : 271
 Mandapam : 225, 316, 321, 348, 417, 423, 440, 442, 451, 46
 Mangalore : 256, 273, 351, 356, 373, 388
 Minocy : 298, 424
 Moondrurayarchathiram : 421
 Muttukadu : 253, 274, 367, 382
 Narakkal : 323
 Neendakara : 221, 227
 New Ferry Wharf : 357
 North east coast : 411
 North Kanara : 383
 North west coast : 366, 458
 Orissa : 268
 Palk Bay : 421, 440, 442
 Pamban : 397, 402
 Panaji : 326, 347
 Pillaimadam : 255
 Pondicherry : 248, 257, 287, 339
 Port Blair : 235
 Port Okha : 318
 Pudiappa : 261
 Pudumanaikuppam : 385, 444
 Rameswaram : 234, 262, 341, 421, 438
 Ratnagiri : 441
 Saktihikulangara : 227
 Sassoon Dock : 337, 372
 Satpati : 376, 386, 400
 Saurashtra : 346, 379
 Sikka : 329
 South Kanara : 272, 282, 392
 South east coast : 456
 Tadri : 406
 Tamil Nadu : 241, 289, 341, 349, 350, 434, 455, 468
 Tanjore : 289, 319
 Tiruchendur : 450
 Trivandrum : 415, 454
 Tuticorin : 395, 412, 465, 467
 Uppada : 259
 Valsad : 359
 Vembanad Lake : 222
 Veraval : 284, 315, 333, 362, 407, 420
 Verkottil : 438
 Versova : 317
 Visakhapatnam : 377, 436, 452
 Vizhinjam : 306, 336, 343, 396, 410, 454
 West Bengal : 264, 270, 457

GEOGRAPHICAL INDEX FOR TITLES

- Adirampatinam : 289
 Alambarakuppam : 459
 Andaman and Nicobar Islands : 223, 235
 Andhra Pradesh : 259, 269, 409, 425
 Anjuna : 283
 Antarctica : 238
 Baikhhol : 309
 Bally : 267
 Bombay : 228, 254, 276, 280, 286, 290, 308, 317, 337, 357, 376, 380, 393, 400, 418, 428
 Calicut : 233, 237, 261, 278, 312, 318, 338, 340, 371, 381, 394, 435, 446, 449
 Chappa : 323
 Cochin : 231, 251, 288, 323, 324, 387, 391
 Cuffe Parade : 280, 286, 290
 Devbag : 271
 Dhanushkodi : 421
 East coast : 414
 Ennore : 307, 353
 Gahirmatha : 268
 Goa : 283, 291, 326, 347, 426
 Gujarat : 304, 329, 359, 420
 Gulf of Mannar : 234, 285, 322, 445, 451, 564
 Hollengade : 368
 Howrah : 267
 Kakinada : 244, 259, 363, 390
 Kali river : 239
 Kanyakumari : 415, 468
 Karnataka : 239, 368
 Karwar : 245, 250, 309, 403, 406, 413
 Kasimedu : 462
 Kattapadu : 450
 Keelakarai : 285
 Kerala : 221, 227, 233, 361, 404, 434
 Kovalam : 275, 335, 342, 350, 367, 401, 466
 Lakshadweep : 292, 293, 294, 295, 296, 297, 299, 300, 301, 302, 303, 327, 360, 408
 Madras : 226, 243, 253, 275, 281, 307, 313, 330, 342, 352, 353, 355, 367, 385, 399, 401, 405, 422, 439, 443, 444, 447, 448, 453, 461, 462, 466
 Mahabalipuram : 459
 Maharashtra : 225, 304, 314, 331, 384, 386, 416, 428, 429, 430, 431, 432, 433, 463
 Mallipatinam : 319
 Malpe : 460
 Malwan : 271
 Mandapam : 225, 316, 321, 348, 417, 423, 440, 442, 451, 46
 Mangalore : 256, 273, 351, 356, 373, 388
 Minocy : 298, 424
 Moondrurayarchathiram : 421
 Muttukadu : 253, 274, 367, 382
 Narakkal : 323
 Neendakara : 221, 227
 New Ferry Wharf : 357
 North east coast : 411
 North Kanara : 383
 North west coast : 366, 458
 Orissa : 268
 Palk Bay : 421, 440, 442
 Pamban : 397, 402
 Panaji : 326, 347
 Pillaimadam : 255
 Pondicherry : 248, 257, 287, 339
 Port Blair : 235
 Port Okha : 318
 Pudiappa : 261
 Pudumanaikuppam : 385, 444
 Rameswaram : 234, 262, 341, 421, 438
 Ratnagiri : 441
 Sakthikulangara : 227
 Sassoon Dock : 337, 372
 Satpati : 376, 386, 400
 Saurashtra : 346, 379
 Sikka : 329
 South Kanara : 272, 282, 392
 South east coast : 456
 Tadri : 406
 Tamil Nadu : 241, 289, 341, 349, 350, 434, 455, 468
 Tanjore : 289, 319
 Tiruchendur : 450
 Trivandrum : 415, 454
 Tuticorin : 395, 412, 465, 467
 Uppada : 259
 Valsad : 359
 Vembanad Lake : 222
 Veraval : 284, 315, 333, 362, 407, 420
 Verkottil : 438
 Versova : 317
 Visakhapatnam : 377, 436, 452
 Vizhinjam : 306, 336, 343, 396, 410, 454
 West Bengal : 264, 270, 457

SUBJECT INDEX

A

- Acanthosybiium* sp. 220, 291, 426
Acetes 223, 380
Acetes indicus 223
Acetes johrii 406
Acidity 222
Acropora sp. 408
Aetobatus flagellum 423
Aetobatus narinari 407, 423
Aetomylaeus 423
Alepes djedaba 407
Alfalfa 224
Algae 330, 389
Amphotistius imbricatus 423
Amphotistius kuhli 423
Anadara granosa 252
Anchoviella sp. 220, 291, 426
Anchovies 220, 291, 381, 407, 410, 413
Anodontostoma chacunda 373
Antarctic Research Expedition 238
Aquaculture 218, 219, 232, 242, 258, 274, 280, 310, 312, 324, 349, 354, 359, 425, 437
Aquaculture techniques 219, 349, 354
Ariidae 231
Arius caelatus 340
Arius thalassinus 339
'Arribada' 267
Artisanal fishery 231, 259, 466
Atropus atropus 407
Atule mate 373
Auxis rochei 373
Auxis spp. 220, 291, 426
Auxis thazard 387, 413, 423

B

- Balaenoptera acutorostrata* Lacepede 320
Balaenoptera musculus Linnaeus 320
Balaenoptera physalus Linnaeus 320

- Balaenopteridae* 319, 320, 323
Baleen whale 310, 320, 368
Banana prawn 383
Batagar baska 332
Beache - de- mer 412, 427, 469
Belonidae 231, 413
Bibliography 303
Bioactivity 266
Bioerosion 408
Bivalves 252
Black pomfret 220, 291
Black right whale 320
Black shark 245, 446
Blue whale 320, 323
Boat seine 259
Bombay duck 220, 291, 337
Bramble shark 251
Brown mussel 232

C

- Carangidae 220, 231, 291, 336, 370, 373, 377
Carangoides malabaricus 377
Caranx kalla 373
Caranx melampygus 327
Carcharhinus limbatus 373
Carcharhinus obscurus 365
Catamarans 257, 394
Catch composition 220, 221, 228, 231, 241, 273, 291, 449
Calfish 220, 228, 231, 261, 291, 339, 341, 372, 422, 438, 462
Cephalopods 220, 228, 252, 291, 364
Cetaceans 320
Chelonia mydas 314
Chinese pomfret 220, 291
Chirocentridae 231
Chirocentrus 220, 291
Chirocentrus nudus 373
Chlorophyta 329

Chorinemus lysan 373
 Clams 239, 251
 Clupeidae 220, 231, 291, 410
 Coastal lagoon 255, 298
 Coastal village 361
Coilia 220, 291
 Conservation 332
 Coral reef 299
 Coryphaenidae 231
 Cost & earning 227, 467
 Crab 220, 240, 242, 291, 308, 426
 Crab culture 242
 Craft and gear 228, 231, 241
Crassostrea madrasensis 252
 Croakers 220, 291
 Cuttlefish 364
 Cuvier's broked whale 320
 Cyclone 457
 Cynoglossidae 380, 383, 387, 389, 399,
 407, 41
Cynoglossus bilineatus 373
Cynoglossus macrostomus 373, 387
 Cyanophyta 330

D

Decapterus dayi 377
Decapterus kurroides 373
Decapterus russelli 338
 Deepsea shark 460
Delphinus delphis 320, 321
Dermochelys coriacea 271, 314
Diagramma pictum 346
 'Disco valai' 265
 Dolnet fishery 366, 372
 Dolphin 231, 320, 321, 417, 464
 Dolphin fish 245
 Drift gillnet 231
 Drift net fishery 395, 435
Dromia dehaani 308
Dugong dugong 320, 449
 Dusky shark 365
Dussumieria acuta 373, 390

E

Echinoderms 266
Echinorhinus brucus 251
 Ecology 244, 253, 294, 298, 348
 Edible oyster, 252, 334, 367, 375
 Elasmobranchs 220, 231, 291, 377, 387, 390,
 392, 394, 399, 407, 410, 413, 418, 422,
 423
 Environmental change 334
 Environmental features 294
 Estuarine turtle 332
 Estuary 239, 307, 332, 353, 367, 390
Etroplus 218, 222
Etroplus surantensis 218
Euthynnus affinis 220, 245, 291

F

Fin fish 258, 349
 Fin fish culture 258, 349
 Fin whale 320
 Fire accident 243, 343
 Fish calendar 373, 377, 381, 385, 387, 390,
 399, 407, 410, 413, 418, 423, 424
 Fish culture 218, 258, 349, 354, 425
 Fisheries management 240, 327
 Fishermen 419, 447
 Fishery 220, 228, 231, 247, 263, 264, 291, 300,
 305, 325, 327, 338, 340, 341, 342, 346,
 357, 373, 377, 381, 387, 399, 407, 410,
 413, 418, 423, 424, 446
 Fishery biology 231, 247, 251, 255, 256, 257,
 263, 279, 290, 325, 342, 371, 391
 Fishery economics 227, 270, 304, 356, 366,
 455, 467
 Fishery extension 246, 328, 344, 378
 Fishery harvest 237
 Fishery management 240, 293, 327, 360
 Fishery oceanography 433
 Fishery resources 218, 220, 228, 231, 260, 291,
 300, 302, 305, 373, 414, 426
 Fishing crafts and gear 264
 Fishing raft 405
 Fishing village 304, 350, 361

Fish landings 220, 291, 426
Fish mortality 222, 253, 261, 307, 348
Fish poison 249
Fish production 220, 263, 291, 305, 426
Fish seed 434
Fish stock assessment 236
Fish toxicology 249
Flat fishes 220, 291, 426
Flounders 220, 291, 426
Flying fishes 220, 291, 426
Food consumption 378
Food poisoning 267
Formionidae 231

G

Galeidae 231
G. edulis 230
Ghol 317, 376
Gillnet 231, 458
Goat fishes 452
Green mussel 219, 319, 374, 382,
389, 437

H

H. americanus 311
Harpadontidae 394
Hatchery 374, 437
Holothuria 412, 427, 469
Holothuria scabra 427, 469
Hooks and line 394
Horse mackerel 220, 291, 342, 426
Humpback whale 404
Hydrography 244, 264, 294

I

Index 217
Indian mackerel 220, 263, 291
Indigenous gear 351
Induced maturation 358
Induced spawning 219, 412
Istiophoridae 231

J

Jellyfish 248, 459
Juveniles 250, 254, 401

K

'Kalaru' 421
King seer fish 357
Krill 238
Kuruma prawn 274

L

Lantern fish 331
Larvae 232, 311
Larval rearing 231, 358
Leather back turtle 271, 314, 440
Lepidochelys olivacea 268, 314
Little tunny 245
Live - bait 360, 396, 397
Lizard fishes 220
Lobotidae 231
Lobsters 220, 228, 291, 311
Long line fishery 329, 460

M

Mackerel 220, 231, 263, 291, 342, 381, 387,
413
Mackerel fishery 220, 263, 291, 381, 387
Macrobrachium rosenbergii 222, 334
'Manthan kelaru' 438
Mariculture 218, 219, 232, 242, 258, 274, 310,
312, 324, 354, 358, 382, 425, 437
Marine algae 330
Marine fisheries management 240, 264, 302,
327
Marine mammals 233, 234, 235, 320
Marine turtle 268, 269, 270, 271, 314, 440
Marketing 356
Mechanisation 306, 363
Mechanised boat 306, 363, 409
Mechanised fishing 241, 363

Megalopidae 231
 Menidae 231
Meritrix casta 252
Mesopodopsis orientalis Tattersall 384
Metapenaeopsis stridulans (Alcock) 225, 226
Metapenaeus affinis 222, 259
Metapenaeus brevicornis 259
Metapenaeus dobsoni 221, 229, 245, 259, 272, 326, 347, 439
Metapenaeus monoceros 221, 228, 229, 273, 334
 Microalgae 219, 389
 Migration 383
 Milkfish 218, 354
 Milkfish culture 218, 354
 Molluscan 219, 232, 239, 244, 252, 364, 375
 Molluscan fishery 239, 244, 252
 Molluscan resources 239, 244, 252
 Molluscan seed 375, 434
 Monsoon fishery 221, 276, 351, 388
Mugil cephalus 371
 Mullidae 377, 381, 390, 399, 407, 410
 Muraenesocidae 231, 377, 381, 387, 390, 395, 399, 407, 410, 413, 418
 Mussel culture 219, 232, 437, 373
 Mussel fishery 252, 318, 468
 Mussel larvae 373, 389
 Mussels 219, 232, 252, 317, 373
 Mussel seed 219, 353, 375, 437
 'Muttalchori' 248
Myctophum pterotum 331

N

'Nangoora choonada' 364
Nematalosa nasus 255
 Nemipteridae 377, 387, 390, 395, 399, 407, 410, 413, 419, 423, 424
Nephrops norvegicus 311
Noctiluca miliaris 456
 Non - penaeid prawn 220, 291, 426
 Nursery ground 401
 Nutrition 378

O

Oil sardine 220, 247, 257, 379, 410, 413, 423, 448, 453
 Olive ridley 268, 269, 291, 314, 397
 Oyster 239, 252, 244

P

Palinurellus 311
Palinustus mossambicus (Barnard) 311
Panulirus homarus 311
Panulirus longipes (A. Milne Edwards) 225, 311
P. ornatus 311
Panulirus penicillatus 311
P. polyphagus 311
Panulirus versicolor (Latreille) 311
Pampus argenteus 400
Parapenaeopsis stylifera 221, 229, 272, 276
Parapenaeus longipes (Alcock) 226, 273
 Pearl oysters 252, 375
 Penaeid prawn 218, 220, 221, 222, 225, 226, 250, 272, 275, 277, 278, 291, 310, 312, 334.
Penaeus canaliculatus 221, 222, 250
Penaeus indicus 218, 221, 225, 226, 259, 272, 275, 277, 310, 312, 334
P. japonicus 250, 259, 274
Penaeus latisulcatus 358
P. merguensis 334
P. monodon 221, 226, 229, 259, 278, 334
P. semisulcatus 226, 259, 334
 Penculture 258
Perna indica 232, 252
Perna viridis (Linnaeus) 219, 252, 374
 Phaeophyta 330
Physester macrocephalus 320, 322
 Phytoplankton 398
Pinctada fucata 252
Pinctada margaritifera 252
 Pole and line 360
 Polyculture 218
 Polynemidae 231
Polynemus indicus 386

Polynemus tetradactylus 340
 Pomadasyidae 231
 Pomfrets 220, 231, 245,
 Pond 258, 312, 324,
 Pond culture 258
 Prawn fishery 221, 225, 226, 259, 273, 276,
 277, 278, 334, 347, 351, 388, 393, 411,
 439
 Prawn culture 274, 310, 312, 358, 425
 Prawn fry 334
 Prawn resources 225, 226, 229, 272, 273, 278,
 334, 388
 Prawns 221, 223, 224, 225, 226, 228, 229, 245,
 250, 259, 272, 273, 274, 275, 276, 277,
 278, 310, 326, 334, 351, 356, 358, 388,
 393, 411, 425, 439
 Prawn seed 434
 Productivity 295
Protonibea diacanthus (Lacepede) 317, 376
 Proven technology 230
Psenopsis cyanea 338
 Psettodidae 231, 373, 377, 381, 387, 390, 395,
 410
Pseudorca crassidens 233, 234, 235
Puerulus sewelli Ramadan 311
 Puffer fish 267
 Purse seine 272, 277, 326

Q

Queen fishes 325

R

Rachycentridae 231
Rastrelliger kanagurta 231, 263, 381
R. brachysoma 263
 Ray 220, 291, 403, 426
Rhiniodon typus 279, 390, 395
 Rhodophyta 330
 Ribbon fish 220, 228, 291, 390, 410, 413, 423,
 426
 Ridely turtle 268, 269, 270, 441
 'Ringu vala' 449

S

Sacred chank 252
 Sail boat 455
 Sail craft 363
 Salinity 391
 Salt pan 258, 310
 Sampling design 260
 Sandbar 355
 Sardine resources 220, 247, 291, 426
Sardinella gibbosa 373, 377, 381, 410, 413
Sardinella longiceps 257, 373, 377, 381, 387,
 410, 413
 Sawfish 461
Scatophagus argus var. 254
 Schooling behaviour 383
 Sciaenidae 220, 228, 291, 305, 373, 377, 381,
 387, 390, 395, 413
 Scombridae 231, 377, 381, 387, 390, 395, 410,
 413, 424
Scylla serrata 242
 Seacow 320, 444, 445
 Sea erosion 309, 350, 359, 361,
 Sea turtle 268, 269, 270, 271, 314
 Seaweed 230, 450
 Seaweed culture 230
 Seaweed production 230
 Seaweed resources 450
 Seed collection 353, 375, 434
 Seed resources 353, 434
 Seeds 338
 Seed transport 318, 375
 Seerfishes 220, 231, 291, 357,
 Sei whale 320, 445
Selar crumenophthalmus 336, 370
 Serranidae 220, 231, 274, 291, 402, 424
 Sharks 220, 251, 400
 Shell deposit 335
 Shore seine 352, 369
 Shrimp fishery 389, 393
 Shrimp resources 228
 Shrimp trawlers 228
 Silver bellies 390
 Skipjack tuna 327

Small-scale fishery 231, 313, 328, 360, 465

Socio - economic 304, 306, 447

Solenocera choprai Nataraj 225

Solenocera crassicornis 273

Soles 220, 291, 426

Spawning 255

Species composition 221, 231, 306, 351

Sperm whale 320, 322, 443

Sphyraenidae 231

Spinner dolphin 464

Sponge 408

Squally weather 463

Squid 420

Sterna S. sandvicensis 262

Stolephorus devtsi 352, 373, 377, 390

Stromateidae 231

Stomatopods 220, 291, 392, 426

Synodontidae 231

T

Tachysurus dussumieri 256, 422, 462

Tetracanthus (Lacepede) 254

Threadfin 220, 291, 340, 362, 386, 436

Threadfin breams 220, 291, 340, 362, 426

Threadfin seed 340

Tidal waves 361

Tiger prawn 278, 401

Tiger shark 416

Trachypenaeus curvirostris (Stimpson) 225

Traditional fishery 241, 306, 465

Training programme 236, 260

Trawl 272, 273, 308, 337, 362, 409, 411, 452, 466

Trichiuridae 231

Tuna 220, 231, 291, 296, 327, 360, 395, 410, 424

Tuna fishery 220, 291, 296, 361, 395, 410, 424, 426, 454

Tunas and billfishes 231, 296, 395

Tunnies 220, 291, 426

Turtle 268, 269, 270, 271, 314, 333, 397

T. tonggol 220, 291, 426

U

Unicorn cod 220, 291

V

Vidukaruru 364

W

Water pollution 307, 334

Whale 233, 234, 235, 280, 281, 290, 319, 320, 368, 404, 442

Whale shark 279, 290, 385, 415

White prawn 221, 228, 229, 259, 275, 277, 334

Windmill 316

Wolf herring 220, 291, 426

X

Xanopus pyrum 252

Y

Young oilsardine 453

Z

Zebra shark 402

Zooplankton 244

GUIDE TO CONTRIBUTORS

The articles intended for publication in the MFIS should be based on actual research findings on long-term or short-term projects of the CMFRI and should be in a language comprehensible to the layman. Elaborate perspectives, material and methods, taxonomy, keys to species and genera, statistical methods and models, elaborate tables, references and such, being only useful to specialists, are to be avoided. Field keys that may be of help to fishermen or industry are acceptable. Self-speaking photographs may be profusely included, but histograms should be carefully selected for easy understanding to the non-technical eye. The write-up should not be in the format of a scientific paper. Unlike in journals, suggestions and advices based on tested research results intended for fishing industry, fishery managers and planners can be given in definitive terms. Whereas only cost benefit ratios and indices worked out based on observed costs and values are acceptable in a journal, the observed costs and values, in spite of their transitionality, are more appropriate for MFIS. Any article intended for MFIS should not exceed 15 pages typed in double space on foolscap paper.