

Occasional Paper No. 158

**BIBLIOGRAPHY ON ZOOLOGY OF
ANDAMAN AND NICOBAR ISLANDS
(1845—1993)**



Zoological Survey of India

1995

**Records of the
Zoological Survey of India**

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**Bibliography on Zoology of
Andaman and Nicobar Islands
(1845-1993)**

**Edited by the Director,
Zoological Survey of India, Calcutta**

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EDITOR'S PREFACE

The Islands of Andaman and Nicobar form a distinct biogeographical area within the Union Republic of India. The extent of bio-diversity, the element of endemism and richness of coral reef associates in these Islands have attracted global attention. The Zoological researches in Andaman and Nicobar Islands date back to nearly 150 years. This is perhaps the first consolidated account of all works published between 1845 – 1993. The bibliographic references now run to a total of 2448 which have been indexed under 101 subject areas.

It is expected that the present volume along with earlier publications of ZSI on Andaman and Nicobar Islands, specially the ones by Tikader *et. al* (1984, 1985, 1986), Das and Dev Roy (1989) would be of use for researchers and policy planners for devising future conservation strategy based on the currently available data.

I would like to express my most sincere thanks to Dr. G. C. Rao, Officer-in-Charge, Andaman and Nicobar Regional Station of ZSI, for pioneering the venture and to all other associates/contributors in ZSI for sending the information available.

A. K. GHOSH

Director

Zoological Survey of India

18th January 1995

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INTRODUCTION

The Andaman and Nicobar Islands are very well known to support a unique ecosystem of tropical plants and animals within the Oriental Region. Thus, these islands are endowed with a rich heritage of biological diversity, the fauna occurring in the terrestrial, freshwater, marine and mangrove ecosystems being quite dense and diverse. Due to these reasons, several scientific investigations and faunal explorations were made in this region for more than a century in the past, resulting in a large number of scientific publications in the form of papers, reports, bulletins, books, monographs, etc. A perusal of the published literature reveals that a good amount of research work has already been carried out in this region, relating to various aspects of the fauna as taxonomy, biology, ecology, parasitology, zoogeography and economic zoology as wildlife, fisheries, agriculture, forestry, pest control, public health, poultry, animal husbandry, ethnozoology, etc. But, due to various reasons, many remote and inaccessible regions on these islands still remained biologically unexplored or underexplored (Figs. 1-2). Many animal groups are also yet to be worked out in detail. It has long been felt to put together all published references related to the insular fauna for the use of research workers. In the circumstances, the preparation of a comprehensive bibliography on the zoology of Andaman and Nicobar Islands has been considered quite imperative to take a stock of the work hitherto carried out and plan future investigations in this region.

It is with this object in view, the compilation work of this bibliography has been undertaken and accomplished to the possible extent. As the literature on the subject being quite scattered in a large number of national and international periodicals, which are not easily accessible for consultation, it is quite possible that a considerable number of related references might be missing in this compilation. Still, every effort has been made to make the bibliography complete in all the respects. Hitherto, about 2400 references were collected and compiled pertaining to the period from 1845 to 1991. This number is quite likely to increase with further consultation of the published literature. All these references in the text are numbered serially and arranged with the authors in alphabetical order. A chronological order has been followed for publications of the same author. The names of journals are abbreviated following the pattern of the world list of scientific periodicals. A subject index pertaining to about 100 branches of zoology

has also been provided at the end, quoting the serial number of the reference under each group or discipline. It is earnestly hoped that this compilation would serve as a useful reference work to promote further research activity in this region, leading to a judicious exploitation of these animal resources and to the overall development in the welfare of the people of these islands.

In this connection, it is considered desirable to introduce the reader with some basic information on the subject and make this bibliography more useful. Hence, a brief account of the topography and climate of the area, significance and abundance of the fauna, zoological investigations hitherto carried out, exploitation and conservation of faunal resources and the scope of work for the future in this region, is also given in the following pages.

ACKNOWLEDGEMENTS

I wish to express my deep sense of gratitude to Dr. A. K. Ghosh, Director, Zoological Survey of India, Calcutta, for his valuable initiative, keen interest and constant encouragement in the preparation of this bibliography for the benefit of future workers on zoology of these islands. My sincere thanks are also due to the various scientists of the Zoological Survey of India and particularly the undermentioned officers, who took pains and readily helped me with the supply of a good number of references pertaining to the groups of their specialization : Dr. A. K. Mandal (Protozoa), Dr. Q. H. Baqri (Nematoda), Shri H. C. Ghosh (Crustacea), Shri Bulganin Mitra (Insecta), Dr. N. V. Subba Rao (Mollusca), Shri B. P. Haldar (Sipuncula), Dr. D. R. K. Sastri (Echinodermata), Kum. Kamla Devi (Pisces), Shri T. S. N. Murthy (Reptilia) and Dr. P.K.Das (Mammalia). The help of Shri Amit Dutta, L. D. Clerk, in typing the manuscript of this work, is also gratefully acknowledged.

TOPOGRAPHY

The Andaman and Nicobar Islands comprise an arcuate chain of more than 500 islands, islets and rocky outcrops, spreading in a linear distance of about 1120 km in the Bay of Bengal between latitudes 06° and 14°N and longitudes 92° and 94°E (Figs. 1-2). All these islands are

the submarine range of hills that connects Arakkan Yoma of lower Burma with Achin head in Sumatra of upper Indonesia. The archipelago has a total land area of 8293 sq km and a coastline of 1962 km. The Andaman group consists of more than 300 islands with a land area of 6340 sq km, while the Nicobar group has about 28 islands with an area of 1953 sq km. The northern Andamans and the southern Nicobars are distinctly separated by the wide 10°N latitude channel. The islands have an undulating terrain with a massive range of hills and intervening valleys mostly covered with dense tropical rain forests. There are only a few perennial rivers restricted to the Great Nicobar Island, but many rain-fed streams occur, which get almost drained during the dry season. These islands are volcanic in origin. Barren and Narcondom are the only two islands in the archipelago which visibly exhibit volcanic eruption at long intervals. These islands have steep continental slopes, due to which oceanic conditions prevail close to the shore. Their coastline is quite wavy with many bays, lagoons and creeks, supporting rocky, sandy and muddy beaches. At many places, the serpentine creeks penetrate far inside the land and form outlets for freshwater streams.

CLIMATE, RAINFALL AND SOIL

The climate of these islands is typically tropical, with heavy gales, cyclones, hot and humid conditions all through the year. The temperature ranges from 18°C to 36°C, with a slight increase from north to south. The daily variation of 5 to 10°C occurs between the maximum and the minimum temperature. Relative humidity in the ambient atmosphere reaches about 80%. The heavy rain fall averages to about 3100 mm per annum and is prolonged from May to December. The major rainfall is received from the south-west monsoon from late May to early October, while a weak spell of north-west monsoon occurs in the remaining period. The months January to April remain almost dry with an inconspicuous winter in the first two months, while hottest conditions prevail during the rest. The thick forest vegetation and the cooler sea all around keep the islands considerably cool during the hot season. The ground water resources are quite poor. Soils of these islands exhibit a wide variation from sand to clay and largely acidic in nature due to saline conditions prevailing all around. Their moisture retention capacity is rather low, with a moderate infiltration. The upper nutritive layer of

these soils is rather thin and owing to heavy rainfall in this region, the uncovered and deforested areas are prone to serious soil erosion and consequent nutrient loss.

VEGETATION

The forests occupy about 86% of the land area on this archipelago. All the major islands support a luxuriant growth of evergreen, semievergreen, moist-deciduous, littoral and mangrove forests, from the water's edge to hill tops, depending on topography and nature of soil. The vegetation is mostly composed of the Burmese and Malay elements. Besides the commercially important larger tree species, several varieties of herbs, shrubs, canes, bamboos, climbers, grasses, mosses, ferns and lichens occur in these forests. The larger trees also support profuse growth of epiphytic vegetation, mostly composed of orchids and ferns. About one-third of the forest area on these islands is productive with some valuable timber yielding species, while the remaining flora largely add only to the greenery of the archipelago.

Rich mangroves occur in these islands due to the presence of many sheltered areas as bays, lagoons and creeks. The mangal formation constituting an interphase between the forest and marine ecosystems, occupies about 11% of the total forest cover in the islands. They spread in an extensive area of 1,50,000 ha compared to the 3,56,000 ha on the Indian subcontinent. This formation is, however, largely restricted to the Andaman Islands, while it is poorly developed on Nicobar Islands due to the exposed nature of their shores. The mangroves are quite salt-resistant and evergreen in nature. A large number of sea grasses and marine algae also occurs in the littoral waters.

MARINE ECOSYSTEM

The Andaman Sea lies enclosed between Burma, Thailand and Malaysia on the east and the Andaman and Nicobar Islands on the west. The temperature of surface waters varies between 26°C and 32°C, while that of salinity ranges from 20 to 35 ppt at different areas and months of the year. Larger quantities of the freshwater run off from adjacent land masses during monsoon remarkably influences the salinity of surface waters of the sea. The dissolved oxygen of the waters ranges

from 4 to 6 ml/L, while the pH varies between 7 and 9 units. The steep continental shelf is limited to an area of about 16000 sq km, while the Exclusive Economic Zone is quite vast and reaches 0.6 million sq km. These islands support one of the richest coral formations in the Indo-Pacific region, reputing the Andaman Sea as a coral paradise. These reefs occurred profusely in the inshore waters along almost all the islands from North Andaman to Great Nicobar. Bulk of the coral reefs are of the fringing type occurring on the eastern side, while some barrier feefs also run on the western side. At many places, rocky, sandy and muddy beaches occur between mangroves and coral reefs in the littoral region.

SIGNIFICANCE OF FAUNA

These islands are supporting a unique ecosystem of plants and animals characteristic of tropical rain forests. Like other oceanic islands in the circumtropical region, the archipelago offers a rich variety of habitats for colonization of fauna. The biogeographic importance of these islands lies mainly in providing isolated biotopes for the evolution of a variety of species and subspecies of different groups of animals. Geographical isolation of these islands for long periods has also promoted the evolution of a good number of endemic species. As a result, the archipelago is endowed with a rich heritage of animal life, both on land and in the sea, some of the species being extraordinary and found nowhere else on this earth. Thus, as living laboratories, the islands favoured the unchecked evolution of a variety of organisms exhibiting interesting biological results. Consequently, a large number of indigenous plants and animals have developed, the endemicity being, however, far greater on the isolated land than in the open sea for obvious reasons.

COMPOSITION, DENSITY AND DISTRIBUTION

Several areas on these islands still remain biologically unexplored or underexplored and many groups of animals are also yet to be studied in detail to ascertain their exact status at the present. However, all the major groups of animals characteristic of tropical rain forests are well represented. As elsewhere, some of the minor groups as Mesozoa,

Gnathostomulida, Nematomorpha, Loricifera, Priapulida, Phoronida, Pentastomida, Entoprocta and Hemichordata, are rare in their occurrence. The known indigenous land fauna inhabiting the forests on these islands mainly comprise of the nematodes, earthworms, leeches, isopods, crabs, hermit-crabs, centipedes, insects, scorpions, spiders, mites, ticks, gastropods, frogs, toads, lizards, snakes, tortoises, birds, shrews, rats, bats, pigs and monkeys. As elsewhere, the insect fauna representing more than 30 groups of different orders constitutes the largest group of organisms. Again, the beetles, bugs, butterflies, dragonflies, grasshoppers, thrips, mosquitoes, flies, bees, wasps, ants and white-ants comprise bulk of this insect fauna. The complete absence of larger and carnivorous mammals on these islands is a remarkable feature, the wild pig being the largest local mammal encountered in this region. Bulk of the mammalian fauna is represented by the smaller rats and bats, which have great powers of migration. Freshwater habitats supporting fauna are very limited on these islands, as most of the rain water immediately drains into the sea. Their fauna consists mainly of the rotifers, gastrotrichs, earthworms, leeches, ostracods, copepods, water-fleas, shrimps, crabs; insects, gastropods, bivalves, fishes, frogs and snakes. Newts and salamanders are absent.

The marine fauna in this area is well represented in the intertidal zone on sandy, muddy and rocky beaches, mangroves, coral reefs, plankton, nekton and benthos. The important marine animals that occur in this ecosystem include the sponges, turbellarians, hydrozoans, medusae, sea-anemones, corals, nematodes, nemertines, gastrotrichs, kinorhynchs, archiannelids, oligochaetes, polychaetes, barnacles, ostracods, copepods, isopods, amphipods, stomatopods, mysids, crabs, hermit-crabs, prawns, shrimps, lobsters, pycnogonids, bryozoans, echiurids, sipunculids, arrow-worms, chitons, gastropods, bivalves, squids, starfishes, brittle-stars, sea-urchins, sea-cucumbers, sea-lilies, tunicates, fishes, sea-snakes, sea-turtles, crocodiles, sea-cows and dolphins. However, the worms, corals, crustaceans, molluscs, echinoderms and fishes constituted the major groups of animals associated with the marine ecosystem. The rich and varied forms of colourful animals make the Andaman Sea a paradise of marine life.

Due to their isolation, the composition of the insular fauna on land

varied considerably from island to island within the archipelago. Some animals are rare and restricted to certain Andaman Islands, some occur only on Nicobar Islands, while others are common to both the groups of islands. However, a good number of the species are wide-spread in their distribution on these islands. Further, due to their geographical proximity, the northern Andaman fauna in general showed a greater similarity with that of Burma and Indo-China, while that of the southern Nicobars exhibited a more number of Indo-Malayan elements. The zoological diversity and endemism known for certain major groups of animals of these islands are indicated in Table 1. Although at present a good amount of endemism is known for several species of terrestrial animals of different groups, their status is subject to change as more and more areas in the region of the Indian Ocean are intensively explored and the fauna studied in detail. This is particularly true with the lower invertebrate group of animals. The marine fauna of the Andaman Sea, however, is known to have a wide geographical distribution, with a majority of these species being quite common to several areas in the Indo-Pacific region. As an exception, the marine meiofauna of the littoral sediments exhibited a higher degree of endemism, due to their peculiar mode of existence in a restricted habitat.

The introduced fauna in these islands included some mammals as rats, bats, dogs, cats, pigs, cows, buffaloes, goats, deer, palm-squirrel, mongoose, leopard, elephant, horse, monkey etc., the birds as crow, parrot, dove, owl, house sparrow, hen, mynah, partridge, pea fowl, etc., a variety of freshwater fishes and some smaller invertebrate animals as worms, crustaceans, insects, arachnids, snails, etc. However, some of these introduced animals could not adjust to the new environment and perished, while some others went out of human control, leading to certain disastrous consequences on the indigenous biota. This indicates the need for a careful study of the consequences before making any introduction in this fragile insular ecosystem.

Table 1. The known zoological diversity and endemism for some major groups of animals of Andaman and Nicobar Islands.

Group	Species	Endemics	Endemism %
Terrestrial ecosystem :			
Annelida	30	9	30.0
Odonata	36	4	11.0
Isoptera	40	19	47.5
Lepidoptera	426	52	12.2
Coleoptera	878	92	10.5
Diptera	214	24	11.2
Hemiptera	146	22	15.0
Arachnida	94	38	40.4
Mollusca	110	77	70.0
Amphibia	16	3	18.8
Reptilia	76	24	31.5
Aves	244	96	39.5
Mammalia	52	33	68.5
Marine ecosystem :			
Meiofauna	486	102	21.0
Sponges	72	—	—
Anthozoa	326	2	0.6
Polychaeta	184	4	2.0
Crustacea	586	6	1.0
Mollusca	932	18	1.9
Echinodermata	336	4	1.2
Pisces	820	2	0.2
Reptilia	12	—	—
Mammalia	3	—	—

INVESTIGATIONS MADE

The Andaman and Nicobar Islands and the sea around them attracted the attention and interest of many biologists quite early during the 19th century. But, pioneering zoological and marine biological investigations in the region were largely carried out only during the later part of the century. Since then, several national and international expeditions explored many of these areas for land and marine fauna. The intensive explorations made by the RIMS *Investigator* during the years 1875–1925 constituted an important land mark in the study of marine fauna. This is followed by several expeditions as *Challenger*, *Valdivia*, *Siboga*, *Galathea*, *Dana*, *John Murray*, *Vityaz*, *Xarifa*, etc., throwing valuable light on the rich biological resources of these islands. Edward Blyth, James Wood-Mason, William Blanford, Ferdinand Stoliczka, Francis Day, Godwin-Austen, Alfred Alcock, Boden-Klaus, Nelson Annandale and Seymour Sewell were some of the earliest explorers and eminent biologists, who made pioneering investigations in this region. More recently, oceanographic surveys were also conducted in the Andaman Sea by several Indian vessels as *INS Krishna*, *RV Cerano*, *RV Anton Brun*, etc. during the International Indian Ocean Expedition in the years 1961–1965. During the past three decades, several faunistic and oceanographic investigations were made by the Zoological Survey of India, National Institute of Oceanography, Central Marine Fisheries Research Institute and the Department of Ocean Development, largely contributing to our knowledge on the biodiversity, rich resources and the marine biological conditions prevailing in this region. The Austrian–Indian Hydrobiological Mission in 1976 investigated diverse groups of the fauna of these islands. In addition, a large number of individuals and institutions also studied diverse groups of the fauna of their choice.

Thus a good amount of work has already been carried out on diverse groups of the fauna under different ecosystems. Pionering investigation of the physical, chemical and biological oceanography of the Andaman Sea has been made by Sewell, resulting in several publications on the subject. More recently, the International Indian Ocean Expedition, Soviet Fisheries Investigations in the Indian Ocean, National Institute of Oceanography, Central Marine Fisheries Research Institute and Zoological Survey of India contributed valuable information

on the taxonomy, biology and zoogeography of zooplankton, nekton and benthos of this area. The diverse groups of animals inhabiting the mangrove ecosystem were also worked out in detail along with their ecology and mariculture potential. The taxonomy, ecology and distribution of the smaller meiofauna comprising miscellaneous invertebrate groups of animals occurring in the littoral sediments and algae have also been investigated. The effects of pollution on beaches in the vicinity of harbour areas were also studied using meiofauna as indicator species. The ecology and distribution of macrofauna on these intertidal rocky shores were also worked out and documented.

Very little is known of the protozoan fauna in this region. The work hitherto carried out largely pertained to the ecology and distribution of fossil and planktonic Foraminifera, Mastigophora of termites, free-living Ciliata of marine sediments and parasitic Sporozoa of some vertebrate animals. The sparse freshwater, shallow-water, deep-sea and parasitic Porifera were studied and reported. Among the Coelenterata, the planktonic composition and distribution of Hydromedusae, Scyphomedusae and Siphonophora were investigated in detail. The taxonomy of the littoral hydrozooids and the fascinating anthozoan corals numbering more than 200 species were studied in relation to their ecological distribution. The colourful actinarian anemones and the commercially important gorgonians of these shores were also documented.

Of the Platyhelminthes, some free-living turbellarians and helminth parasites of some miscellaneous vertebrate and invertebrate animals of these islands were studied and their host-parasite relationships established. The parasitic Nematoda, Acanthocephala and Nematomorpha of vertebrates were also identified and reported. Among the free-living worms, the minor phyla as Nematoda, Nemertinea, Kinorhyncha, Gastrotricha, Rotifera and Priapulida inhabiting the forest soil and littoral sediments were investigated and their abundance indicated. Of the annelids, the taxonomy and distribution of the terrestrial earthworms as well as marine polychaetes and archiannelids were investigated and their results published. The land and aquatic leech fauna of the islands is, however, poorly known.

We now have a greater knowledge of the higher invertebrate groups of animals of these areas comprising the Arthropoda, Mollusca, and Echinodermata. Among the Crustacea, the littoral Cirripedia, Stomatopoda and Mysidacea were worked out in considerable detail and documented. The parasitic copepods and isopods occurring in different marine ecosystems were studied and the results published. Of the crustacean decapods, the crabs, hermit-crabs, prawns and lobsters were well investigated due to their economic importance. The taxonomy, ecology and distribution of the diverse groups of insects were well investigated due to their economic importance. The taxonomy, ecology and distribution of the diverse groups of insects were dealt in considerable detail. However, it is only the Coleoptera, Isoptera, Lepidoptera, Odonata and Diptera that received adequate attention, while the other groups were either poorly investigated or completely left out. The spiders and mites of these islands were better investigated than the scorpions and book-scorpions. Very little is known of the Myriapoda from this region comprising the common millipedes and centipedes. A few records of the free-living pycnogonids and tardigrades were also made from the marine environment.

As molluscs contributed largely to the rich biological diversity of these islands, their systematics, composition, density and distribution were well investigated in land, freshwater and marine ecosystems. The first significant collection of marine molluscs in this region was made by Wood-Manson, who was later followed by several other workers in the field. Of the five major classes, the Gastropoda and 95% of the fauna, while the Cephalopoda, Polyplacophora and Scaphopoda are poorly represented. The biology of some of the commercially important gastropoda species was studied in detail. Population density and the biological control of the pestiferous land giant African snail were studied and various remedies suggested. Research and development strategy for the commercial exploitation of potential marine, molluscan resources were indicated. The taxonomy, ecology and distribution of wood-boring bivalves and the littoral as well as the oceanic Cephalopods were investigated. Some interesting interstitial and bivalved gastropods were also discovered, described and reported.

The taxonomy, ecology and distribution of Echinodermata

comprising the five major classes of Aeteroidea, Ophiruroidea, Echinoidea, Holothuroidea and Crinoidea, were well investigated and documented. A few interstitial species of holothurians occurring in the littoral sands of these shores were also recorded. The geographical and bathymetrical distribution of the echinoderms indicated that they are eurytopic in the Indo-Pacific region. The prospects of utilising the rich holothurian resources in the *Beche-de-mer* industry have been well explored. Of the minor groups, a number of sipunculan and echiuran species were reported from this region, while some cursory reports were made on the occurrence of Bryozoa, Brachiopoda, Chaetognatha, Hemichordata and Protochordata. All these minor groups, with the exception of Sipuncula, however, indicated a poor representation in this region.

The rich fishery potential of the Andaman sea has been highlighted by many workers. Because of their great abundance, rich variety and commercial value, the fishes constituted one of the major groups very well investigated in this region. Due to the scarce freshwater habitats, the marine fish are only significant, representing more than 800 species of the diverse families. The systematics, biology and ecology of many selected fish species were studied in detail. The distribution of food fishes in the sea in relation to seasonal hydrography and plankton has also been investigated. The results of several exploratory surveys on the occurrence of fish shoals in this region have been published.

Coming to the herpetological investigations carried out in the islands, the variety of amphibian fauna being small, their study was limited to taxonomy made by a few workers. But, a valuable contribution has been made to the taxonomy, ecology and distribution of the reptilian fauna comprising the lizards, snakes, turtles and crocodiles. Several rare and interesting species were either described or reported. Many of these reptiles showed distinct geographical affinities with adjacent parts on the east. The scope for a commercial exploitation of crocodile and turtle resources of these islands has also been explored.

Studies on the fascinating avifauna of these islands date back to the middle of the nineteenth century, with a valuable contribution to their systematics and leading to the identification of more than 240

species, including endemics, residents and seasonal visitors. The conservation of many vulnerable and endangered species of birds on the islands has been emphasized by several workers. The studies on mammals in the islands started with the work of Blyth and followed by several other workers on their taxonomy, ecology and distribution. Hitherto, more than 50 indigenous species of mammals of different orders were recorded with a high degree of endemism. Thus, almost all the birds and mammals on the islands stand fully worked out. Very little work has been carried out on the palaeozoology and prehistoric zoology limited to a few selected taxa.

Regarding the other aspects of study, a good amount of work has been made on the ecology of the insular fauna pertaining to the land, freshwater, mangrove and marine ecosystems. The ecological investigations, however, pertained mostly to the major groups of the fauna as Coelenterata, Annelida, Crustacea, Insecta, Mollusca, Echinodermata, Pisces, Reptilia, Aves and Mammalia. On the other hand, the zoogeography of almost all the well known taxa has been documented, throwing valuable light on their geographical distribution on other parts of the world. Very little work has been carried out on freshwater biology, parasitology, soil and population zoology. Review works were made for a few selected taxa where considerable knowledge accumulated on them.

The applied aspects of the fauna as fisheries, wildlife, agricultural zoology, parasitology, economic zoology, medical zoology, veterinary zoology, ethnozology and conservation zoology have also received considerable attention, augmenting our knowledge on these subjects and leading to their judicious exploitation. Because of their great commercial value, as elsewhere, the fisheries were well investigated with an emphasis on augmenting their catch. Due to the insular and fragile nature of the environment, significance of the wildlife resources and the need for their conservation have been highlighted in many scientific and popular articles. With the increasing agricultural and plantation crops in the islands, the Central Agricultural Research Institute at Port Blair has been contributing solutions to pest problems and increasing the yield. They are also dealing with the poultry production and eradication of live-stock diseases. Under economic

zoology, all the xploitable resources of theses islands were enumerated. The bioactive metabolites of marine invertebrates as sponges, jelly-fishes, sea-anemones, gorgonians, corals and bryozoans were explored by several research organisations in the country for their exploitation. The medical zoology in this region mostly dealt with malaria, mosquitoes and their control. The role of animals in the daily life of aboriginal tribals has been widely investigated under ethnozoology.

SCOPE FOR THE FUTURE

Hitherto, many zoological investigations on these islands were conducted at random, each party concentrating their study on a particular species or a group or a few groups of animals in certain selected and easily accessible areas. Due to these reasons, a large number of animals of other groups have either been missed or neglected. In recent years, the Zoological Survey of India with their frequent faunal explorations have made a major contribution to the overall knowledge of fauna in this region. But, for a variety of reasons, several parts of these islands still remain biologically unexplored or underexplored for several groups of animals (Fig. 1-2). The problems were largely to be attributed to the remoteness of many areas, lack of proper transport, communication, accommodation for stay, prolonged monsoon, rough weather of the sea, difficult terrain, impenetrable jungles infested with mosquitoes, flies and leeches, presence of hostile tribals, etc. Hence, these areas are to be surveyed in detail to fill up the gaps in our knowledge of the fauna in this region. The least explored areas largely pertained to several small islands as well as to certain parts of the bigger islands of North, Middle, South and Little Andamans, Ritchie's Archipelago, North Sentinel and the Nicobars. Due to these reasons, our present knowledge of the insular fauna is to be regarded as incomplete, with the scope for more survey, discovery, study and description or report of many species of animals of different groups.

Then coming to the systematic details of the zoological investigations carried out in this region, as elsewhere, some groups of animals were well worked out and some were partly worked out, while others were almost untouched. The larger and the commercially important groups of animals which received much attention and well

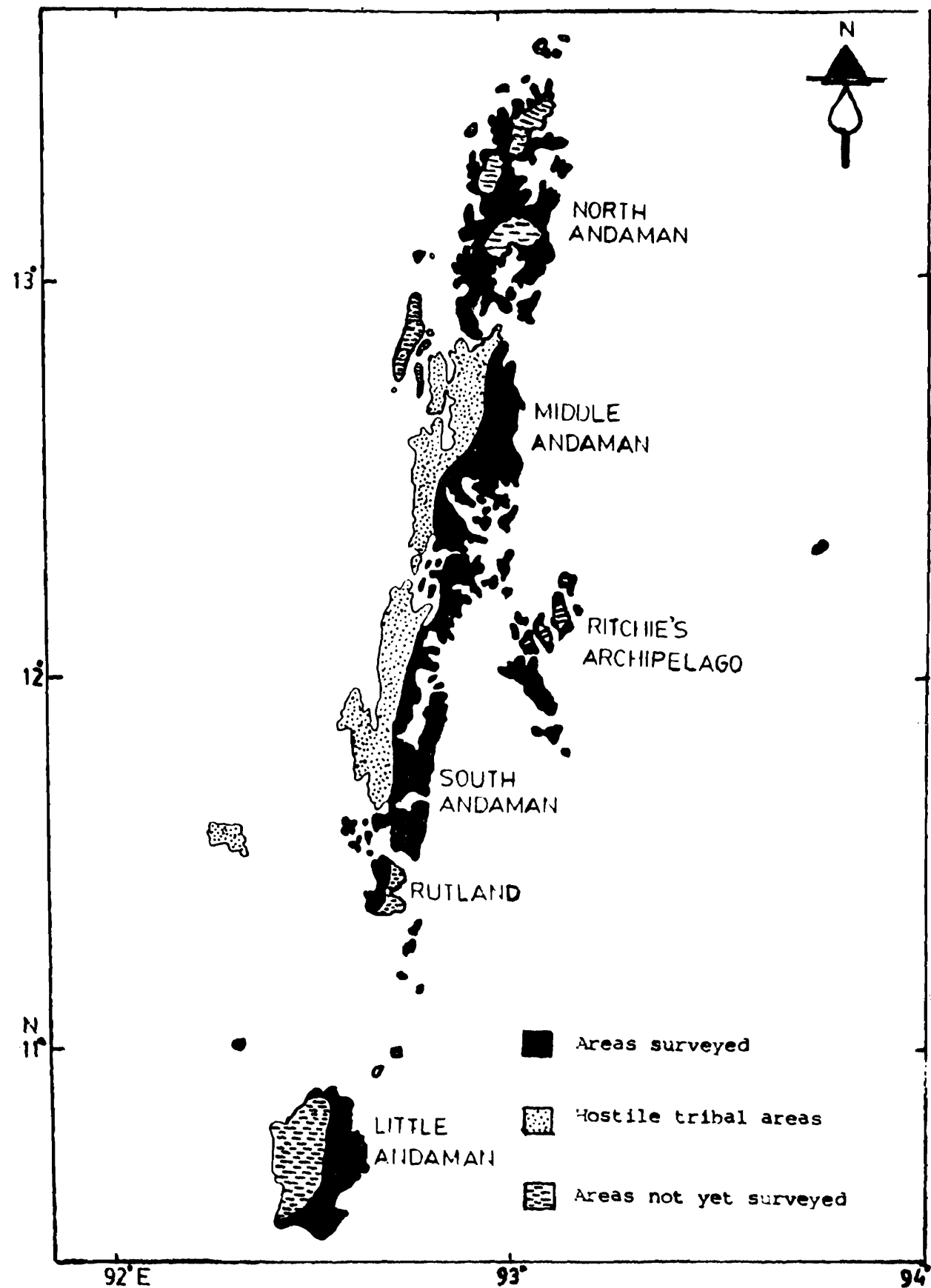


Fig. 1. Andaman Islands showing explored and unexplored areas.

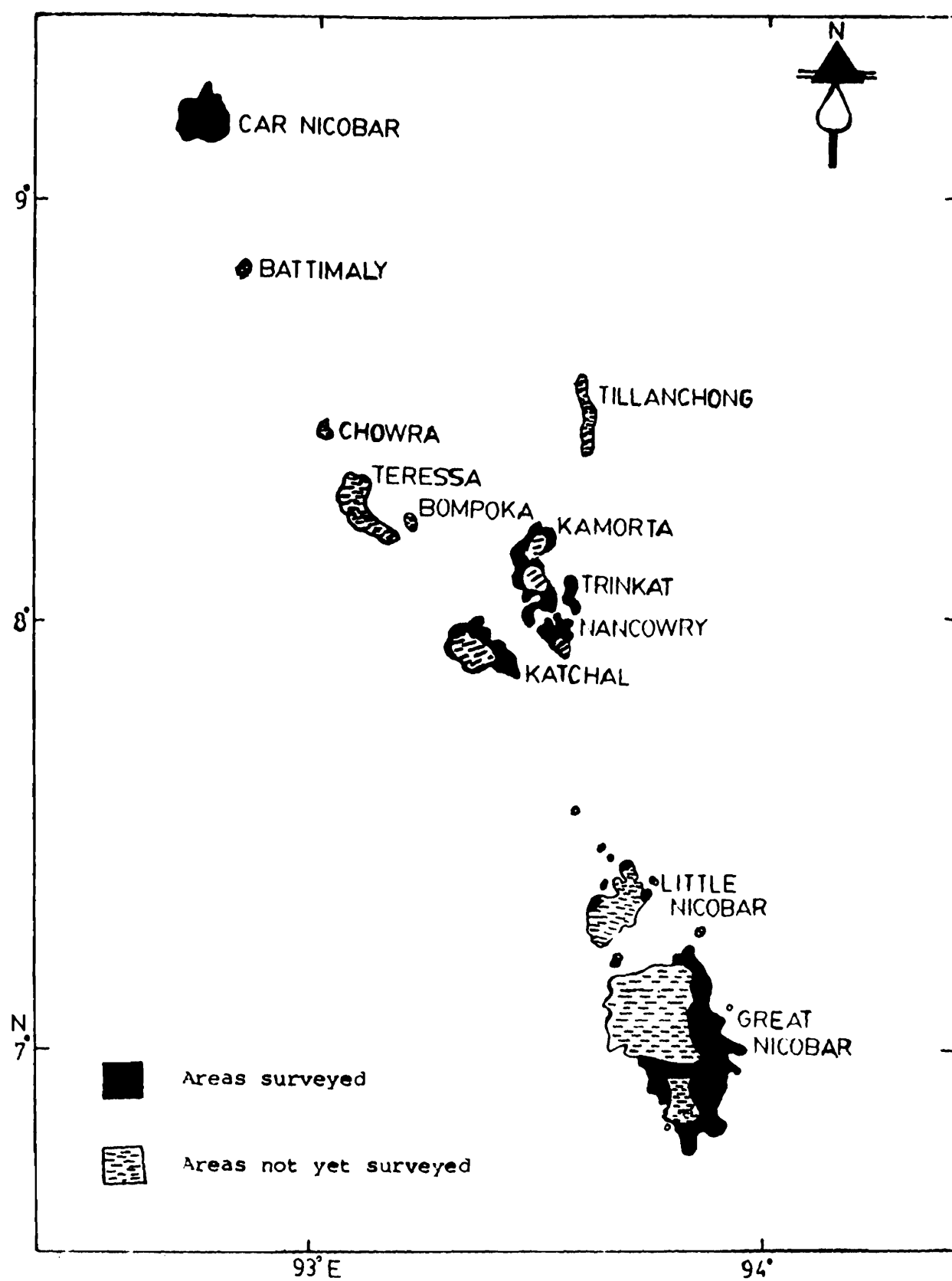


Fig. 2. Nicobar Islands showing explored and unexplored areas.

investigated are the Porifera, Anthozoa, Polychaeta, Cirripedia, Copepoda, Decapoda, Stomatopoda, Odonata, Isoptera, Lepidoptera, Polyplacophora, Gastropoda, Bivalvia, Scaphopoda, Cephalopoda, Sipuncula, Asteroidea, Ophiuroidea, Echinoidea, Holothuroidea, Crinoidea, Amphibia, Reptilia, Aves and Mammalia.

The smaller and the uneconomical groups of animals which were partly or poorly studied include the Protozoa, Hydrozoa, Scyphozoa, Turbellaria, Trematoda, Cestoda, Gastrotricha, Kinorhyncha, Nematoda, Acanthocephala, Nematomorpha, Archiannelida, Oligochaeta, Hirudinea, Ostracoda, Cladocera, Cumacea, Mysidacea, Isopoda, Amphipoda, Orthoptera, Dictyoptera, Dermaptera, Phthiraptera, Hemiptera, Thysanoptera, Neuroptera, Coleoptera, Scorpionida, Acari, Tardigrada, Pycnogonida and Echiura.

On the other hand, nothing is practically known of the following groups of animals : Mesozoa, Ctenophora, Rotifera, Gnathostomulida, Loricifera, Priapulida, Nemertinea, Branchiopoda, Euphausia, Thysanura, Diplura, Protura, Collembola, Ephemeroptera, Plecoptera, Phasmida, Embioptera, Zoraptera, Psocoptera, Strepsiptera, Mecoptera, Pedipalpida, Pseudoscorpionida, Phoronida, Bryozoa, Entoprocta, Brachiopoda, Chaetognatha, Hemichordata and Protochordata. Many groups of these animals are no doubt minor and rare in their occurrence, which also probably explains their omission to a large extent.

The tropical rain forests in general are known to harbour richest populations of insect species. As elsewhere, although the insects on these islands comprise about three-fourths of the animal kingdom, a large number of species of the different orders are yet to be collected, studied, identified and reported. Thus, our knowledge of the lower invertebrate groups of animals in this region is quite incomplete and hence ample scope exists for their study. The diverse groups of the fauna associated with the freshwater bodies, forest soil and vegetation, plankton, nekton and benthos needs a detailed investigation. Due to the vast potential of marine life around these islands, a variety of marine biological investigations can be planned and carried out. Hitherto, much emphasis was laid to work on the taxonomy, ecology and distribution of the diverse groups of fauna. Now there is a need to study

and understand the life-history, biology and population dynamics of important species of animals for their rational utilization. Thus, our future strategy for this insular ecosystem shall be to prepare complete faunal inventories at least for all these major islands and conduct research on their judicious exploitation, regeneration and conservation.

HUMAN POPULATION

The degradation of natural environment and the destruction of its wildlife resources on these islands, as elsewhere, largely depended on the density of human population and their developmental activities. At present, about 40 of these islands are inhabited by man, supporting a population of about 3,00,000. According to the recent history, until the settlement of the British in the nineteenth century, these islands were inhabited only by six types of tribals numbering around 5000. But, presently the population of the four Negrito races dwindled to 35 Andamanese confined to Strait Island, 280 Jarawas to western part of South and Middle Andamans, 100 Onges to Little Andaman and 80 Sentinalese to North Sentinel Island. Of the remaining two Mongoloid races, the semi-nomadic Shompens numbering about 220 are restricted to the interior of the great Nicobar Island, while the Nicobarese with their increasing population of more than 26,000, though initially confined to Car Nicobar Island, are now gradually spreading to other Nicobar Islands and Little Andaman Island. For centuries in the past, the biological resources of these islands were utilised to the minimum by all these aboriginal tribals forming part of the insular ecosystem. They were mainly hunters and food-gatherers. But, the exploitation of natural resources on these islands on a larger and commercial scale started only with the advent of mainland settlers of various categories from different Indian states in recent decades since our independence. Their population now exceeded 2,60,000, seriously affecting the composition, density and distribution of fauna on these islands. The east coast of these islands has many human settlements and embayments, with increasing disturbance of the marine ecosystem in the littoral region and polluting the inshore waters with the discharge of domestic, industrial and navigational effluents. Hence, the conservation of natural environment and its wildlife in this region largely depend on how best the further influx of human population could be contained in the years to follow.

EXPLOITATION

The natural resources of these islands comprise only their scenic beauty, thick forest vegetation, mangrove creeks, coral reefs, biodiversity and the blue sea all around. The increasing human population and their activities put an increasing pressure on the forest, mangrove and marine ecosystems. Due to these reasons, the present status of wildlife on these islands is not certainly the same as it was. Although 86% of the land area on these islands was initially covered with forests, deforestation for commercial exploitation, human settlements, illegal encroachments, construction of roads and agricultural operations was on the increase in recent decades, leading to a remarkable disturbance or destruction of the natural habitats. At several places, the tall primary forests on plains were cleared, while the stunted forests were largely confined to the hillocks. As a result, the animals were more affected than plants, became increasingly rare and restricted to a few areas. In this connection, the worst victims were the reptiles, birds and mammals due to their food and cash values. The introduced carnivores have also affected the survival and abundance of certain local fauna.

In the marine environment, as bulk of the littoral animals have limited powers of movement and are easily accessible during low tide, all of them became very easy victims of man. No larger animal whether useful or not has been spared. A large number of animals have been collected and wasted in the name of hobby, trophy and scientific study. The destruction of egg laying females has resulted in the wastage of several generations of these animals. People easily moved in boats even to the remote and uninhabited islands and collected the fauna of their choice. Thus, for practical purposes, all the uninhabited islands on this archipelago are not necessarily the undisturbed islands. The corals, molluscs and echinoderms were largely destroyed in this way. The rich marine resources in this region have also attracted foreign poachers in recent times. Pollution of coastal waters has also eliminated many small, sedentary and sensitive animals. Due to all these reasons, the littoral animals have almost been wiped out and many of these shores are now looking quite barren. Their residual populations are now restricted to certain pockets on these islands and struggling for their very survival.

The cutting of mangroves for purposes of fuel, fodder and other domestic or industrial needs posed a threat to the rich variety of animal community inhabiting them. The increasing tourist activity and the shell craft industry in the islands were largely responsible for the indiscriminate destruction of coral reefs and the alarming depletion of their associated fauna. The common man was least bothered about the conservation of the littoral fauna. While the coral reefs grew very very slowly, their destruction took no time. Several areas were systematically combed for exploitation of these commercial marine species. Deforestation, destruction of mangroves, removal of sand on beaches, agricultural, dredging, fishing and navigational operations, etc. have also contributed to massive siltation and death of living corals. As a result, bulk of the coral reefs on these islands have already been destroyed and what we see today here and there are their remnant patches. The branched and brittle corals suffered a major casualty more than the massive and boulder-like corals. Again, the deep water reefs were better spared compared to the littoral ones. Thus, these islands no longer constitute the paradise of coral reefs and littoral animals.

Very limited patches of sand beaches existed on these islands. The large scale removal of sand for construction purposes at several developing areas has resulted in the disappearance of these beaches, destroying the traditional nesting sites of sea-turtles habitat for a myriad of invertebrate animals of various groups.

Thus, excepting the rich fishery potential of the sea, bulk of the the land and littoral fauna has already been over-exploited in this region. However, in the absence of proper population studies, the present status of many threatened species of animals is not clearly known. Some of the larger species of wildlife which are rare, vulnerable and requiring protection in these islands include the giant robbe-crab, water-monitor, king-cobra, reticulated-python, salt-water crocodile, green sea-turtle, olive-ridely turtle, leather-back turtle, Andaman teal, Narcondom hornbill, swiftlet, white-bellied sea eagle, imperial pigeon, Nicobar pigeon, Nicobar megapode, Andaman wild pig, crab-eating macaque and dugong. The smaller species of animals, both on land and in sea, need proper survey, identification and study, to ascertain their exact status for conservation.

Conservation

Despite the wildlife (Protection) Act 1972 and the great concern to conserve the natural ecosystems and their wildlife resources in this region, they are only on the decline. In the circumstances, unless effective conservation measures are undertaken in time to protect the remaining wild wealth, it would be very difficult to save the rich heritage of animal life from irreparable damage and preserve the biological uniqueness of these islands. Hence, the conservation of nature and its wildlife should form part of our future planning and economic development. Sufficient attention should be paid and funds allotted for this purpose. Much of our modern development was largely associated with the destruction of natural environment and its living resources. As such, all our future plans for development shall be judicious, with minimum destruction to the environment. As the human population in these islands has already reached its carrying capacity based on their meagre natural resources, any further increase of population could be allowed only at the cost of the environment and its wildlife. As the existing population will in any way go on increasing, it is very necessary to stop any further influx from mainland. Further, it has been sufficiently proved that human beings and wildlife cannot live in harmony side by side. It is, therefore, quite necessary to reserve sufficiently large virgin areas as viable entities on the long run as biosphere reserves, national parks and sanctuaries for wildlife conservation, genetic diversity and scientific study. One-third of the total land area would be quite ideal for this purpose. Progress of wildlife in these protected areas is to be regularly monitored and recorded.

Like any resource, exploitation of wildlife by man shall be rational and judicious. Otherwise, this paradise of rare plants and animals in no time shares the same ill fate of many other denuded areas in the world. Protective legislations are generally made quite late only after the species are badly threatened with extinction. Hence, timely action is necessary to achieve better results. All the destructive activities contributing to the degradation of the natural environment are to be arrested. But, this is not certainly as easy as the ways of their destruction. At present, a good number of invertebrate species of the Andaman Sea have no status in the Wildlife (Protection) Act. They should also find a

place in it. Survey and census operation of wildlife in sanctuaries and national parks are to be carried out to prepare inventories of their biological resources. The surviving coral reefs and sand beaches constituting nesting sites for sea turtles are to be protected. The rare and endangered species of animals are to be bred in captivity to help improve their dwindling populations. Exotic introductions should not be encouraged without a careful study of their consequences on the local biota. The littoral habitats are also to be protected from adverse effects of potential pollution.

Considering the fast depletion of animal resources on these islands, the Andaman & Nicobar Administration has created 8 national parks and 94 wildlife sanctuaries comprising an area of 1354 sq km on this union territory. But, a majority of these protected areas are quite small to sustain viable natural populations on the long run and are also vulnerable to disturbances in the environment. At present, their biological diversity is also not clearly known and needs a detailed investigation. Further, there are neither sufficient funds nor wildlife personnel nor sea-worthy vessels to monitor and protect these areas, which are far-flung and strewn in a vast stretch of the sea. However, the Administration has been making some earnest efforts to conserve the natural ecosystems by restricting the influx of human population, tourism, deforestation, cutting of mangroves, removal of corals and sand on beaches, dumping of all kinds of wastes into the sea, etc. But, the actual out-come of these measures could be assessed only in the following years. In this connection, the regional station of the Zoological Survey of India at Port Blair was also contributing considerably to the conservation of fauna in this region. Extensive faunistic explorations were made for the identification of rare, endemic and endangered species of animals for wildlife conservation. The impact of human activities on the fauna of these islands has also been closely monitored. To give wide publicity and create local awareness, wildlife weeks were celebrated, exhibitions conducted, radio talks delivered, seminars organised and popular articles written, emphasizing the significance of the insular fauna and the urgent need to conserve them.

In addition to the keen interest evinced by the government machinery and the naturalists to protect our vanishing wild wealth,

awareness and cooperation of the common man, who comes into contact with these animals in day to day life, is very necessary for their conservation. Further, wide gaps always existed between law and its enforcement, although these legislations often proved better than none in arresting the commercial exploitation of wild resources. Hence, the Wildlife (Protection) Act should be strictly enforced, all poaching arrested and deterrent punishment imposed in all cases of violation. For this purpose, we must employ sufficient reliable force to enforce the law. Even the local tribals who are being provided with rations should not be permitted to hunt the endangered species of animals in protected areas. It is desirable to establish a full-fledged research centre to study and conserve the insular ecosystem. But whatever conservation measures we now undertake, matters have already reached such a critical stage in several areas that the rich variety and abundance of animal life we inherited on these islands can never be the same again. The measures undertaken in the earnest at this stage, however, do not go a waste and will certainly help at least to prolong the existence of many endangered species of these animals for a long time to come.

B I B L I O G R A P H Y

ALPHABETICAL LIST OF REFERENCES ON THE ZOOLOGY OF ANDAMAN AND NICOBAR ISLANDS

A

1. Aason, G. E. 1908. Fruit bats of the genus *Pteropus* inhabiting the Andaman and Nicobar Archipelago. *Rec. Indian Mus.*, 2(2) : 159-162.
2. Abbas, S. R. 1970. *Giant African Snail and its control*. Entomological Society of India, Port Blair. 21 pp.
3. Abbas, S. R. and Ahmed, R. 1983. Studies on the utilization of the Giant African Snail, *Achatina fulica* Bowdich, as a manurial. *Madras Agric. J.*, 70 (6) : 385-387
4. Abbas, S. R. and Gangwar, B. 1983. Management of insect pests of paddy in Andamans. *Farmers and Parliament*, 18 : 20-30.
5. Abbas, S. R., Gautam, S. S. S., Gupta G. P., Srivastava, P. D. and Doharey, K. L. 1974. Habits of hermit-crabs in relation to their natural habitat. *Entomologist's Newsletter*, 4 (11-12) : 58-59.
6. Abbas, S. R. and Singh, G. S. S. 1975. Population of *Achatina fulica* Bowditch, 1882 in the aestivating pockets in South Andaman. *Veliger*, 17(3) : 311-312.
7. Abbot, R. T and Zim, H. S. 1962. *Sea shells of the world : a guide to the better known species*. Golden Press, New York, 160 pp.
8. Abdulali, H. 1962. The wild pigs in the Andamans. *J. Bombay nat. Hist. Soc.*, 59(1) : 281-283.
9. Abdulali, H. 1964. Four new races of birds from the Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 61(2) : 410-417

10. Abdulali, H. 1965. The birds of the Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 61(3) 483-571.
11. Abdulali, H. 1967 a. More new races of birds from the Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 63 : 420-422.
12. Abdulali, H. 1967 b. Birds of the Nicobar Islands with notes on some Andaman birds. *J. Bombay nat. Hist. Soc.*, 64 : 139-190.
13. Abdulali, H. 1971 a. narcondam Island and notes on some birds of the Andaman Islands. *J. Bombay nat. Hist. Soc.*, 68(2) : 385-411.
14. Abdulali, H. 1971 b. A catalogue of the birds in the collection of the Bombay Natural History Society - 9. Psittacidae. *J. Bombay nat. Hist. Soc.*, 68(2) : 328-338.
15. Abdulali, H. 1975 a. A catalogue of the birds in the collection of the Bombay Natural History Society - 17 Picidae. *J. Bombay nat. Hist. Soc.*, 72(1) : 113-131.
16. Abdulali, H. 1975 b. A catalogue of the birds in the collection of the Bomaby Natural History Society - 18. Eurylaimidae, Pittidae, Alaudidae. *J. Bombay nat. Hist. Soc.*, 72(2) : 477-505.
17. Abdulali, H. 1976 a. Fauna of Narcondam Island. *J. Bombay nat. Hist. Soc.*, 73 : 496-505.
18. Abdulali, H. 1976 b. New name for Andaman blackheaded oriole, *Oriolus xanthornus andamanensis* Abdulali. *J. Bombay nat. Hist. Soc.*, 73(2) : 395.
19. Abdulali, H. 1976 c. A catalogue of the birds in the collection of the Bombay Natural History Society - 20. Laniidae, Oriolidae, Dicruridae, Artamidae. *J. Bombay nat. Hist. Soc.*, 73(3) 491-515.
20. Abdulali, H. 1976 d. Wildlife in Bay Islands. *Yojana*,

20(13) : 72-73.

21. Abdulali, H. 1977 Wildlife and its protection. *Yojana*, 21 : 13-14.
22. Abdulali, H. 1979. Birds of Great and Car Nicobar, with some notes on wildlife conservation in the Islands. *J. Bombay nat. Hist. Soc.*, 75 : 744-772.
- 22a. Abdulali, H. 1980. A catalogue of the birds in the collection of the Bombay Natural History Society-22. *J. Bombay nat. Hist. Soc.*, 77(1) : 81-99.
23. Abdulali, H. 1981a. Additional notes on Andaman birds. *J. Bombay nat. Hist. Soc.*, 78(1) : 46-53.
24. Abdulali, H. 1981 b. A catalogue to the birds in the collection of the Bombay Natural History Society - 23. *J. Bombay nat. Hist. Soc.*, 78(2) : 261-286.
25. Abdulali, H. 1982 a. A catalogue of the birds in the collection of the Bombay Natural History Society - 24. *J. Bombay nat. Hist. Soc.*, 79(1) : 135-151.
26. Abdulali, H. 1982 b. A catalogue of the birds in the collection of the Bombay Natural History Society - 25. *J. Bombay nat. Hist. Soc.*, 79(2) : 336-360.
27. Abdulali, H. 1982 c. Some field notes on the newly described toad, *Bufo camortensis* Mansukhani and Sarkar. *J. Bombay nat. Hist. Soc.*, 79(2) : 430.
28. Abdulali, H. 1985. A catalogue of the birds in the collection of Bombay Natural History Society - 29. *J. Bombay nat. Hist. Soc.*, 82(1) : 87-103.
29. Abdulali, H. 1986 a. A catalogue of the birds in the collection of Bombay Natural History Society - 30. *J. Bombay nat. Hist. Soc.*, 83(1) : 130-163.
30. Abdulali, H. 1986 b. A catalogue of the birds in the

collection of Bombay Natural History Society - 31. *J. Bombay nat. Hist. Soc.*, 83(2) : 339-359.

31. Abdulali, H and Grubh, R. B. 1970. A new race of the black-crested baza *Aviceda leuphotes* (Dument) from the Andaman Islands. *J. Bombay nat. Hist. Soc.*, 67(2) : 137-138.
32. Abidi, S. A. H. 1978. Fisheries development in the Islands. *The Daily Telegrams*, 24 7-8.
33. Abidi, S. A. H. 1979 a. Fish and prawn culture utilization of brackish-water. *The Daily Telegrams*, 24 : 15-16.
34. Abidi, S. A. H. 1979 b. Fisheries in service of rural society. *The Daily Telegrams*, 42 : 6-7
35. Abidi, S. A. H. 1979 c. Sea wealth around us. *The Andaman & Nicobar Information*, 3 : 40-43.
36. Abidi, S. A. H. 1981. Status of small scale fisheries in the Union Territory of Andaman and Nicobar Islands. *Bull. Cent. mar. Fish. Res. Inst.*, 30 : 57-59.
37. Abidi, S. A. H., Desai, B. N. and Gautam, O. S. 1978. The length - weight relationship in *Sardinella sirm* Wal, from the Andaman Sea. *Indian J. Fish. Assoc.*, 8 : 15-19.
38. Acharji, M. N. 1950. Edible chelonians and their products. *J. Bombay nat. Hist. Soc.*, 49(3) : 529-532.
39. Achutankutty, C. T and Sree Kumar Nair, S. R. 1980. Mangrove swamps as a fry source. *Mahasagar*, 13(3) : 269-296.
40. Adam, W 1938. Sur quelques Cephalopodes Octopodes des iles Andamans. *Bull. Mus. r.Hist. nat.Belg.* 14(7) : 1-25.
41. Adam, W 1939 a. Sur quelques Cephalopodes Octopodes iles Andamans. *Bull. Mus. r. Hist. nat. Bel.*, 15 : 1-15.

42. Adam, W. 1939 b. The Cephalopoda in the Indian Museum. *Rec. Indian Mus.*, 42 : 61-110.
43. Agrawal, M. L. 1986. Zoogeography of Indian Dacinae (Diptera : Tephritidae). *J. Bombay nat. Hist. Soc.*, 83(1) : 256-260.
44. Agarwal, M. M. 1965. Taxonomy of encyrtid parasites (Hymenoptera : Chalcidoidea) of Indian Coccoidea. *Acta hymenopt.*, Tokyo, 2 : 37-97
- 44a. Agrawal, V C. 1986. Rodents - their taxonomy and distribution. In : *Wildlife Wealth of India* (Ed. T C. Majupuria). Tecpress Service, Bangkok, 533-552.
45. Agrawal, V C. and Chakraborty, S. 1979 a. Catalogue of mammals in the Zoological Survey of India. Rodentia. Part I. Sciuridae. *Rec. zool. Surv. India*, 74(4) : 333-481.
46. Agrawal, V C. and Chakraborty, S. 1979 b. Taxonomic notes on some Oriental squirrels. *Mammalia*, 43(2) : 33-44.
47. Ahlawat, S. P. S. 1986. Different blood group systems in poultry in relation to growth and production traits - A review. *Indian Poultry Review*, 17(10) : 10-29.
48. Ahlawat, S. P. S. 1987 a. Integrated rural development through poultry in Andamans. *Poultry Punch*, 4(2) : 41-50.
49. Ahlawat, S. P S. 1987 b. Development and future prospects of poultry in the Islands. *Indian Poultry Review*, 18(12) : 25-31.
50. Ahlawat, S. P. S. 1988. Prospects and problems of poultry farming in the islands of Andaman and Nicobar. *Indian Poultry Review*, 20th Commemorative No. 1 : 143-149.
51. Ahlawat, S. P. S., Lall, R. and Pal, R. N. 1987 Studies on haematological parameters of blood of Nicobari fowl. *J.*

Andaman Sci. Assoc., 3(1) : 48-49.

52. Ahlawat, S. P. S., Mahato, D., Hossain, R. and Pal, R. N. 1985. Incidence of poultry diseases in the Andamans. *J. Andaman Sci. Assoc.*, 1(2) : 75-81.
53. Ahlawat, S. P. S. and Michealraj, S. 1989. Management guide for poultry farmers of A. & N. Islands. *CARI, Exten. Bull.*, 11 : 1-20.
54. Ahlawat, S. P. S. and Pal, R. N. 1985. Poultry production in Andamans - a profile. *J. Andaman Sci. Assoc.*, 1(1) 45-48.
55. Ahlawat, S. P. S. and Pal, R. N. 1986 a. Duck farming in India. *Poultry Punch*, 2 (7) 47-57
56. Ahlawat, S. P. S. and Pal, R. N. 1986 b. Pilot studies on growth rate in Nicobari fowl of Andamans. *Indian Poultry Review*, 17(2) : 18-21.
57. Ahlawat, S. P. S. and Pal, R. N. 1986 c. Status of poultry farming in Andaman and Nicobar group of islands. *Poultry Punch*, 3(1) : 39-46.
58. Ahlawat, S. P. S. and Pal, R. N. 1990. Poultry has big potentials in Andamans and Nicobars. *Poultry Punch*, 7(2) 57-60.
59. Ahlawat, S. P. S., Pal, R. N., Gupta, I. D. and Mahato, B. 1987 The status of duck farming in Andaman and Nicobar Islands. *J. Andaman Sci. Assoc.*, 3(2) : 125-128.
60. Ahlawat, S. P. S., Pal, R. N. and Lall, R. 1989. Intrinsic coagulation time with respect to growth traits in poultry. *Indian Vet. J.*, 13 : 203-206.
61. Ahlawat, S. P. S. and Rai, R. B. 1990 a. Genetic studies on production traits on Nicobari fowl. *XIIIth Annual Poultry Conference and Symposium, Bombay*, 1-12.
62. Ahlawat, S. P. S. and Rai, R. B. 1990 b. Genetic

interrelationship in body-weight of Nicobari fowl. *XIIIth Annual Poultry Conference and Symposium, Bombay*, 1-9.

63. Ahlawat, S. P. S., Rai, R. B. and Sharma, A. K. 1990 a, Studies on utilisation of deoiled coconut and red oil palm kernal cake to replace ground nut cake in poultry ration. *XIII Annual Poultry Conference and Symposium, Bombay*, 1-10.
- 63a. Ahlawat S. P. S., Rai R. B. and Sharma, A. K. 1990 b. Livestock production in Andamans. *Islands on March*, 1(2) : 17-29.
- 63b. Ahlawat, S. P. S., Rai R. B. and Sharma A. K. 1991. Technology for poultry farming in Andamans. *Islands on March*, 2(2) : 11-14.
64. Ahmed, R. and Gangwar, B. 1984. Some observations on the pests of winged bean in Andamans. *Entomon*, 9(4) : 295.
65. Ahmed, S. 1975. Snakes of the Indian Ocean in the collections of the Zoological Survey of India together with remarks on the geographical distribution of Indian Ocean species. *J. mar. biol. Ass. India*, 17(1) : 73-81.
66. Ahmed, S. 1980. On a collection of centipedes (Scolopendromorpha : Scolopendridae and Cryptopidae) from Andaman and Nicobar Islands. *Rec. zool. Surv. India*, 77(1-4) : 25-30.
67. Akazaki, M. 1962. Studies on the Spariform fishes : Anatomy, phylogeny, ecology and taxonomy. *Misaki mar. biol. Inst. Kyoto Univ., Spec. Rep.*, (1) : 1-368.
68. Alagaraja, K. 1987 An appraisal of the marine fisheries in the island territories : Lakshadweep and Andaman & Nicobar Islands. *Bull. Cent. mar. Fish. Res. Inst.*, 39 : 1-18.

69. Alagarswami, K. 1981. Prospects for coastal aquaculture in India. *Bull. Cent. mar. Fish. Res. Inst.*, 30(A) : 83-87
- 69a. Alagarswami, K. 1983. The black-lip pearl oyster resource and pearl culture potential in Andaman and Nicobar islands. *Bull. Cent. mar. fish Res. Inst*, 34 : 72-78.
70. Alagarswami, K. 1987 Research and development strategy for exploitation of molluscan resources of Andaman and Nicobar Islands. *Proc. symp. on management of coastal ecosystems and oceanic resources of the Andamans. Andaman Sci. Assoc.*, 1 : 50-54.
71. Alagarswami, K. Dharmaraj, T S., Velayudhan, A., Chellum, A. C. C., Victor and Gandhi, A. D. 1983. Larval rearing and production of spat of pearl oyster *Pinctada fucata* (Gould). *Aquaculture*, 34 : 284-301.
72. Algarswami, K. and Narasimham, K. A. 1968. Clam, cockle and oyster resources of the Indian coasts. *Proc. Symp. living resources of the seas around India*. 1 : 648-658.
73. Alcock, A. 1889. Natural history notes from H. M. Indian Marine Survey Ship 'Investigator', Commander Alfred Carpenter, R. N., D. S. O., Commanding. On the bathybial fishes of the Bay of Bengal and the neighbouring waters, obtained during the season 1885-1889. *Ann. Mag. nat. Hist.*, (6) 4 (23) : 376-399, 450-461.
74. Alcock, A. 1890 a. Natural history notes from H. M. Indian Marine Survey Steamer 'Investigator', Commander R. F Hoskyn, R. N. Commanding, No. 16. On the bathybial fishes collected in the Bay of Bengal during the season 1889-90. *Ann. Mag. nat. Hist.*, (6) 6 : 197-222, 425-443.
75. Alcock, A. 1890 b. List of the pleuronectidae obtained in the Bay of Bengal in 1888-89 with descriptions of new and rare species. *J. Asiat. Soc. Beng.*, 58 : 279-305.

76. Alcock, A. 1981. Natural history notes from H. M. Indian Marine Survey Steamer, '*Investigator*', Commander R. F. Hoskyn, R. N. Commanding - Series, II, No. 1. On the results of deep-sea dredging during the season 1890-91. *Ann. Mag. nat. Hist.*, (6) 8 : 16-84, 119-138.
77. Alcock, A. 1892. On the bathybial fishes collected during the season 1891-92. *Ann. Mag. nat. Hist.*, 10 : 345-365.
78. Alcock, A. 1893 a. On some newly recorded corals from the Indian seas. *J. Asiat. Soc. Beng.*, 62 : 138-149.
79. Alcock, A. 1893 b. On some Actiniaria of the Indian seas. *J. Asiat. Soc. Beng.*, 62 : 151-153.
80. Alcock, A. 1894 a. Natural history notes from H. M. Indian Marine Survey Steamer *Investigator* Commander, C. F. Oldham, R. N., commanding. Series II No. 9. An account of the deep-sea collection made during the season of 1892-93. *J. Asiat. Soc. Beng.*, 62 (4) : 169-184.
81. Alcock, A. 1894 b. An account of recent collection of bathybial fishes from the Bay of Bengal and from the Laccadive Sea. *J. Asiat. Soc. Beng.*, 63 : 115-137.
- 81a. Alcock, A. 1894 c. Natural history notes from the RIMSS '*Investigator*' Series II, No. 13. A new brachiopod (*Terebratulula johannis*). *J. Asiat. Soc. Beng.*, 63 : 139-141.
82. Alcock, A. 1894 d. On the results of the deep sea dredging during the season 1890-91. On deep-sea Crustacea collected by the R. I. M. S. S. *Investigator* 1890-91. *Ann. Mag. nat. Hist.*, 13 : 225-411.
83. Alcock, A. 1894 e. *Illustrations of the Zoology of the R. I. M. S. Investigator*. Parts I-V. Indian Museum, Calcutta.
84. Alcock, A. 1895 a. Natural history notes from H. M. Indian Marine Survey Steamer *Investigator* Commander, C. F. Oldham, R. N., Commanding. Series II. No. 7. An account of the collection of the deep-sea Asteroidea. *Ann.*

Mag. nat. Hist., (6) 11 : 73-121.

85. Alcock, A. 1895 b. Deep-sea invertabrates of the Indian Ocean. *J. Asiat. Soc. Beng.*, 62 : 169-177
86. Alcock, A. 1895 c. Materials for a carcinological fauna of India. No. 1. The Brachyura Oxyrhyncha. *J. Asiat. Soc. Beng.*, 64 (2) : 157-289.
87. Alcock, A. 1896. Materials for a carcinological fauna of India. No. 2. The Brachyura Oxystomata. *J. Asiat. Soc. Beng.*, 65 (2) : 134-296.
88. Alcock, A. 1897 Natural history notes from H. M. Indian Marine Survey Steamer, '*Investigator*' Commander C. F Oldham, R. N Commanding. Series II. No. 23. A supplementary list of the marine fishes of India, with descriptions of 2 new genera and 8 new species. *J. Asiat. Soc. Beng.*, 65 (2) : 301-338.
89. Alcock, A. 1898 a. Materials for a carcinological fauna of India. Part I. The family Xanthidae. *J. Asiat. Soc. Beng.*, 67 (2) : 67-233.
90. Alcock, A. 1898 b. A summary of the deep sea zoological work of the Royal Indian Marine Survey Ship *Investigator* from 1884 to 1897 *Scient. Mem. med. offrs Army India*, 11 : 45-93.
91. Alcock, A. 1898 c. Natural history notes from H. M. Indian Marine Survey Ship '*Investigator*', Commander T H. Heming R. N. Commanding - Series II, No. 25. A note on the deep-sea fishes, with descriptions of some new genera and species, including another probable viviparous ophidoid. *Ann. Mag. nat. Hist.*, 7(2) : 136-156.
92. Alcock, A. 1899 a. A descriptive catalogue of the Indian deep-sea fishes in the Indian Museum collected by *the R. I. M. S. S. Investigator*. Calcutta, 1-222.
93. Alcock, A. 1899 b. Materials for carcinological fauna of

India. Part. II. The families Portunidae, Carcridae and Corystidae. *J. Asiat. Soc. Beng.*, 68 : 1-104.

94. Alcock, A. 1899 c. Materials for carcinological fauna of India. No. 5. The Brachyura Primigenia or Dromiacea. *J. Asiat. Soc. Beng.*, 68(3) : 123-169.
95. Alcock, A. 1899 d. An account of the deep-sea Brachyura collected by the R. I. M. S. S. *Investigator*, Calcutta. 1-85.
96. Alcock, A. 1900 a. On some notable new and rare species of Crustacea. *J. Asiat. Soc. Beng.*, 68 : 111-119.
97. Alcock, A. 1900 b. A summary of the deep-sea zoological work of the R. I. M. S. S. *Investigator* from 1884-87, Calcutta. *Scient. Mem. med. Offrs, Army, India*, 11 : 1-49.
98. Alcock, A. 1900 c. Illustrations of the zoology of the R. I. M. S. S. *Investigator*. Fishes, Part VII, Calcutta.
99. Alcock, A. 1901 a. Materials for a carcinological fauna of India. No. 6. The Brachyura Catometopa or Grapsoidea. *J. Asiat. Soc. Beng.*, 69(3) : 279-486.
100. Alcock, A. 1901 b. A descriptive catalogue of the Indian deep-sea Crustacea, Decapoda, Macrura and Anomura in the Indian museum being a revised account of the deep-sea species collected by the Royal Marine Survey Ship, *Investigator*. Calcutta, India, 1-286.
101. Alcock, A. 1901 c. *Catalogue of the Indian decapod Crustacea in the collection of the Indian museum. Part 1. Brachyura*. Trustees of the Indian Museum, Calcutta, 1-80.
102. Alcock, A. 1901 d. Zoological meanings from the Royal Marine Survey Ship *Investigator*. *Scient. Mem. Med. offrs Army, India*, 12 : 35-76.
103. Alcock, A. 1902 a. Report on the deep-sea Madreporaria of the Siboga Expedition. *Siboga Exped.*, 16 A : 1-51.

104. Alcock, A. 1902 b. *A naturalist in the Indian seas : Four years with the Royal Indian Marine Ship "Investigator"* John Murray, London, 328 pp.
105. Alcock, A. 1905 a. *Catalogue of the Indian decapod Crustacea in the collection of the Indian museum. Part-2. Anomura*. Trustees of the Indian Museum, Calcutta. 1-197
106. Alcock, A. 1905 b. On a new species of the dorippoid genus *Cymonomus* from the Andaman Sea, considered with reference to the distribution of the Dorippidae, with some remarks on the allied genus *Cymonomips*. *Ann. Mag. nat. Hist.*, 15 : 565-577
107. Alcock, A. 1905 c. A revision of the genus *Penaeus*, with diagnoses of some new species and varieties. *Ann. Mag. nat. Hist.*, 16 508-532.
108. Alcock, A. 1906. *Catalogue of the Indian decapod Crustacea in the collection of the Indian Museum. Part 3. Macrura*. Trustees of the Indian Museum, Calcutta, 1-55.
109. Alcock, A. 1910. *Catalogue of the Indian decapod Crustacea in the collection of the Indian Museum. Freshwater crabs*. Trustees of the Indian Museum, Calcutta, 306 pp.
110. Alcock, A. 1984. *Materials for a carcinological fauna of India*. Reprinted Edition. International Books and Periodical Supply Service, New Delhi, 795 pp.
111. Alcock, A. and Anderson, A. R. S. 1894. Natural history notes from R. I. M. S. S. *Investigator*. An account of the deep-sea Crustacea dredged during the surveying season of 1897-98. *Ann. Mag. nat. Hist.*, 3 1-27, 278-292.
112. Alcock, A. and Anderson, A. R. S. 1895 a. Natural history notes from H. M. Indian Marine Survey Steamer

- "Investigator" Series II, No. 14. An account of recent collection of deep-sea Crustacea from the Bay of Bengal and Laccadive sea. *J. Asiat. Soc. Beng.*, 43 : 141-185.
113. Alcock, A. and Anderson, A. R. S., 1895 b. Natural history notes from M. H. Indian Marine Survey Steamer "Investigator" Series II. No. 17 List of the shore and shallow water Brachyura collected during the season 1893-94. *J. Asiat. Soc. Beng.*, 43 : 197-209.
114. Alcock, A. and Anderson, A. R. S., 1899. *Illustrations to the Zoology of the Royal Indian Marine Surveying Ship "Investigator" Part VII. Crustacea*. Indian Museum, Calcutta.
115. Alcock, A., Annandale, N. and Megilchrist, A.C. 1907 *Illustrations of the Zoology of the Royal Indian Marine Survey Ship "Investigator" – Part 12*. Indian Museum, Calcutta.
116. Alcock, A and Macradea, A. F 1905. *Illustrations of the Zoology of the R. I. M. S. S. "Investigator" Part-10*. Indian Museum, Calcutta.
117. Alexander, J. E. 1847 Notice regarding Andaman Islands, Bay of Bengal. *Edinburg New Philos. J., Edinburg*, 2 : 43-48.
118. Alexander, W D. 1955. *Birds of the Ocean : A handbook for voyagers containing description of all the sea-birds of the world with notes on them and guides to their identification*. Putnam, London. 282 pp.
119. Ali, S: 1979. *The book of Indian birds*. Bombay Natural History Society, Bombay, 187 pp.
120. Ali, S. and Ripley, S. D. 1968-74. *Handbook of the birds of India and Pakistan*. Vols. 1-10. Oxford University Press, Bombay.
121. Ali, S. and Ripley, D. S. 1983. *A pictorial guide to the*

birds of the Indian subcontinent. Bombay Natural History Society, Bombay, 177 pp.

122. Alikunhi, 1983. Brackishwater aquaculture development. Technical, economic and policy issues. In : *Fisheries Development in India – Some aspects of policy management*. Eds. U. K. Srivastava and D. Sharma Reddy. Concept Publishing Company. New Delhi, 381-396.
- 122a. Alkiuson, W. S. 1873. Description of two new species of butterflies from the Andaman Islands. *Proc. zool. Soc. Lond.*, 23 : 736-738.
123. Allen, G. R. 1975. *The Anemone-fishes, their classification and biology* (Second ed.) T F H. Publications, New Jersey, 352 pp.
124. Allen, G. R. 1978. A review of the archer fishes (Family Taxotidae) *Rec. West. Aust. Mus.*, 6(4) 355-378.
125. Allen, G. R. 1980. *Butterfly and angel fishes of the world*. Vol. 2. Wiley & Sons, New York. 352 pp.
126. Allen, G. R. 1985. FAO Species Catalogue. Vol. 6. Snappers of the world. An annotated and illustrated catalogue of the lutjanid species known to-date. *FAO – Fish. Synop.*, (125) 6 1-208.
127. Allen, G. R. and Randall, J. E. 1977. Review of the sharpnose pufferfishes (Sub-family Canthigasterinae) of the Indo-Pacific. *Rec. Aust. Mus.*, 30 475-517
128. Allen, G. R. and Talbot, J. H. 1985. A review of the snappers of the genus *Lutjanus* (Pisces Lutjanidae) from the Indo-Pacific, with the description of a new species. *Indo-Pacific Fishes*, 5 86-104.
129. Altevogt, R. and Davis, T A. 1975. *Birgus latro*-India's monstrous crab : A study and an appeal. *Proc. Symp. Estuarine Biology, Cochin*, 43-44.

- 129a. Altevogt, R. and Davis, T A. 1980. Nocturnal activity of the turnstone (*Arenaria interpres*) of South Sentinel (Andaman Islands). *J. Bombay nat. Hist. Soc.*, 77 (3) : 508-510.
130. Alvarino, A. 1971. Siphonophores of the Pacific, with a review of the world distribution. *Bull. Scripps Inst. Oceanogr.*, 16 : 1-432.
131. Amirthalingam, C. 1932 a. Breeding of *Trochus* and preservation of the beds in the Andamans. *Curr. Sci.*, 1(1) 31.
132. Amirthalingam, C. 1932 b. Correlation of sex and shell structure in the mollusc, *Trochus niloticus*. *Curr. Sci.*, 1 : 72-73.
133. Amirthalingam, C. 1933. *Trochus niloticus* Linnaeus in Andaman waters. *Nature*, 130 98.
134. Ananthakrishnan, T N. 1969. Indian Thysanoptera. C. S. I. R. Zool. Monograph, 1 1-171..
135. Ananthakrishnan, T.N. 1982. *Bioresources Ecology*. Oxford-IBH Publishing Co., New Delhi, 159 pp.
136. Ananthakrishnan, T N. and Sen, S. 1980. *Taxonomy of Indian Thysanoptera* (Handbook). Zoological Survey of India, Calcutta, 234 pp.
137. Andersen, K. 1912. *Catalogue of the Chiroptera in the collection of the British Museum*. British Museum (Natural History), London, 224 pp.
138. Andersen, A. R. S. 1897 An account of the deep-sea Crustacea collected during the season, 1894-95. *J. Asiat. Soc. Beng.*, 55 : 88-106.
139. Anderson, A. R. S. 1907 *Breynia vredenburgi*, an undescribed echinoid from the Indian Ocean. *J. Asiat. Soc. Beng.*, 3 145-148.

140. Anderson, J. 1981. *Catalogue of Mammalia*. Vols. I & II. Cosmo Publications, New Delhi, 223 & 375 pp.
141. Andrews, H. E. 1929. *The fauna of British India, including Ceylon and Burma : Coleoptera, Carabidae*. Vol. 1. Taylor and Francis Ltd., London, 431 pp.
142. Andrews, H. E. 1935. *The fauna of British India, including Ceylon and Burma : Coleoptera, Carabidae*. Vol. II. Taylor and Francis Ltd., London, 323 pp.
143. Annandale, N. 1904. Contribution to the Oriental Herpetology. I. The Lizards of Andamans, with a description of a new gecko and notes on the reproduced tail of *Ptychozoon homolocephalum*. *J. Asiat. Soc. Beng.*, 73(2) : 12-22.
144. Annandale, N. 1905. Addition to the collection of Oriental snakes in the Indian museum. II. Specimens from Andamans and Nicobars. *J. Asiat. Soc. Beng.*, 74 : 173-176.
145. Annandale, N. 1909. An account of the Indian Cirripedia Pedunculata. I. Family Lepadidae. *Mem. Indian Mus.*, 2 : 61-137
146. Annadale, N. 1910 a. Description of a new species of *Scalpellum* from the Andaman Sea. *Rec. Indian Mus.*, 5 : 115-116.
147. Annandale, N. 1910 b. The Indian barnacle of the subgenus *Smilium*, with remarks on the classification of the genus *Scalpallum*. *Rec. Indian Mus.*, 5 : 145-155.
148. Annandale, N. 1911. *The fauna of British India including Ceylon and Burma. Freshwater sponges, hydroids and polyzoans*. Taylor and Francis Ltd., London, 251 pp.
149. Annandale, N. 1913. The Indian barnacles of the subgenus *Scalpellum*. *Rec. Indian Mus.*, 9 : 227-236.

150. Annandale, N. 1914. New and interesting pedunculate cirripedes from Indian seas. *Rec. Indian Mus.*, 10 : 273-280.
151. Annandale, N. 1915 a. Indian boring sponges of the family Clionidae. *Rec. Indian Mus.*, 11 : 1-24.
152. Annandale, N. 1915 b. Some sponges parasitic on Clionidae with further notes on that family. *Rec. Indian Mus.*, 11 : 457-478.
153. Annandale, N. 1917 a. Zoological results of a tour in the Far East. Hydrozoa and Ctenophora. *Mem. Asiat. Soc. Beng.*, 6 : 101-117
154. Annandale, N. 1917 b. Report on a collection of reptiles and batrachians from Java. *J. fed. Malay st. Mus.* 7 : 107-111.
155. Annandale, N. 1917 c. Zoological results of a tour in the Far East : Batrachia. *Mem. Asiat. Soc. Beng.*, 6 : 119-155.
156. Annandale, N. 1918. Zoological results of a tour in the Far East : Sponges. *Mem. Asiat. Soc. Beng.*, 6 : 193-218.
157. Annandale, N. 1920. Materials for a generic revision of the freshwater gastropod molluscs of the Indian Empire : The genera of Melaniinae and Viviparidae. *Rec. Indian Mus.*, 19(3) : 115.
158. Annandale, N. 1924. Cirripedes associated with Indian corals of the families Asteraeidae and Fungidae. *Mem. Indian Mus.*, 8 : 61-68.
159. Annandale, N. and Hora, S. L. 1925. Freshwater fishes from the Andaman Islands. *Rec. Indian Mus.*, 27(2) : 33-41.
160. Annandale, N. and Jenkins J. T. 1914. Report on the fishes taken by the Bengal Fisheries Steamer 'Golden Crown' Part I. Plectognathi and Pediculati. *Mem. Indian*

Mus., 3(1) : 7-21.

161. Annandale, N. and Rao, H. S. 1925. Materials for a revision of the recent Indian Limnaeidae (Mollusca, Pulmonata). *Rec. Indian Mus.*, 27(3) : 137-189.
162. Annandale, N. and Sewell, R. B. S. 1920. Progress report on a survey of the freshwater gastropod molluscs of the Indian Empire and their trematode parasites. *Indian J. Med. Res.*, 8 : 93-117
163. Annandale, N. and Sewell, R. B. S. 1921. Oceanographic research in the British Empire. *Nature*, 107 : 139.
164. Anonymous. 1859. Zoology of the Andaman Islands. *Zoologist*, 17 : 6738-6744.
165. Anon. 1909. *The Gazetteer : Andaman Nicobar Islands*. Andaman & Nicobar Administration, Calcutta, 112 pp.
166. Anon. 1939 a. Shell-fisheries in the Andamans. *Curr. Sci.*, 8 : 349-354.
167. Anon. 1939 b. *Consolidated report on the shell-fisheries in Andaman and Nicobar Islands from 1930-1935*. Govt. of India, New Delhi, 142 pp.
168. Anon. 1962. *The Wealth of India : Raw materials*. Vol. IV *Fish and fisheries*. C. S. I. R., New Delhi.
169. Anon. 1966 a. *The wealth of India : Raw materials*. vol. VI. *Animal resources*. C. S. I. R. New Delhi.
170. Anon. 1966 b. A general report of the participation of Japan in the International Indian Ocean Expedition. *Rec. oceanogr. Wks. Japan*, 8(2) : 1-133.
171. Anon. 1967 a. *Special catalogue of data from the International Indian Ocean Expedition*. World Data Centre, Oceanography, Washington, D. C., 293 pp.
172. Anon. 1967 b. *Indian Ocean atlas, interpolated values of*

depths, salinity and temperature of selected sigma T-surfaces. National Oceanographic Data Centre, Washington, D. C., 67 pp.

173. Anon. 1969. *Techno-economic survey of Andaman and Nicobar Islands.* National Council of Applied Economic Research, New Delhi, 86 pp.
174. Anon. 1970 a. Distribution of Copepoda and decapod larvae in the Indian ocean. *Plankton Atlas, I. O. B. C.*, 2(1) : 1-11.
175. Anon. 1970 b. Distribution of fish eggs and larvae in the Indian ocean. *Plankton Atlas, I. O. B. C.*, 2(2) : 1-91.
176. Anon. 1971. Marine wealth of Andaman and Nicobar Islands. *The Daily Telegrams*, 28 : 4.
177. Anon. 1972. *Techno-economic Survey of Andaman and Nicobar Islands.* National Council of Applied Economic Research, New Delhi, 131pp.
178. Anon. 1974. The commercial molluscs of India. *Bull. Cent. Mar. Fish. Res. Inst.*, 25 : 1-170.
179. Anon. 1975. *Report on the multi-disciplinary study team on Andaman and Nicobar Islands.* Ministry of Food and Agriculture, New Delhi, 115 pp.
180. Anon. 1976 a. *Report of the Technical team on development of fisheries in Andamand and Nicobar Islands.* Ministry of Agriculture, New Delhi. 42 pp.
181. Anon. 1976 b. Andamans and Nicobars: Planning Commission, Government of India. *Yojana* : 20 (13-14) : 12-102.
182. Anon. 1976 c. *List of reptiles and amphibians from Andamans and Nicobars in the BNHS collection.* Bombay Natural History Society, Bombay, 28 pp.
183. Anon. 1976 d. Giant African snail, a slow moving menace

across the seas. *Yojana*, 20 : 47-48.

184. Anon. 1976 e. Hawabill and amber in Andaman and Nicobar Islands. *Yojana*, 20 : 48-49.
185. Anon. 1977 *Indian Fisheries 1947 -1977*. Issued on the occasion of the fifth session of the Indian Ocean Fishery Commission held at Cochin. 96 pp.
186. Anon. 1978. Culture of sea cucumbers at Andamans. *CMFRI News.*, 8 1-2.
187. Anon. 1979-83. Trends in total marine fish production in India. *Mar. Fish. Infor. Ser., CMFRI*, 9 7-22, 22 : 1-19, 52 : 1-21.
188. Anon.-1980 a. *Report on the development of fisheries in Andaman and Nicobar Islands*. Marine Products Export Development Authority, Cochin, 42 pp.
189. Anon. 1980 b. *State of Art Report : Zoology*. Zoological Survey of India, Calcutta. 382 pp.
190. Anon. 1980 c. *The Andaman Sea*. Technical Report No. 02/80. National Institute of Oceanography, Goa, 208 pp.
191. Anon. 1981. Papers on the Andaman Sea. *Indian J. mar. Sci.*, 10(3) : 209-308 (Special publication).
192. Anon. 1982. *Natural resources conservation development in Andaman and Nicobar Islands*. Department of Environment, Govt. of India, New Delhi, 72 pp.
- 192a. Anon. 1982 b. Trends in marine fish production in India. 1981. *Mar. Fish. Infor. Serv. T and E. Ser.*, No. 41 : 1-33.
193. Anon. 1983 a. Mariculture potential of Andaman and Nicobar Islands – an indicative survey. *Bull. Cent. Mar. Fish. Resh. Inst.*, 34 : 1-108.
194. Anon. 1983 b. Sea turtles : Management and

Conservation. *Mar. Fish. Infor. Serv. T&E Serv., CMFRI*, 50 : 1-40.

195. Anon. 1983 c. *Insects of pulses and vegetables* (Annual Report for 1978-83). Central Agricultural Research Institute, Port Blair, 41 pp.
196. Anon. 1984 a. Sea turtle conservation. *Proc. Workshop sea turtle conservation, Cent. Mar. Fish. Res. Inst.*, 18 : 1-115.
197. Anon. 1984 b. Sea turtles : Research and Conservation. *Bull. Cent. Mar. Fish. Res. Inst.*, 35 : 1-82.
198. Anon. 1986. *An integrated enviormentally sound development strategy for the Andaman and Nicobar Islands*. Planning Commission, Govt. of India, New Delhi, 123 pp.
199. Anon. 1987 a. *Proceedings of the Symposium on management of coastal ecosystems and oceanic resources of Andamans*. Andaman Science Association, Port Blair, 121 pp.
200. Anon. 1987 b. *Corals of Andaman and Nicobar Islands – a status report*. Central Agricultural Research Institute, Port Blair, 29 pp.
201. Anon. 1987 c. Marine catfish resources of India. *Bull. Cent. Mar. Fish. Res. Inst.*, 40 : 1-94.
202. Anon. 1987 d. *Final report of the working group on the tunas in the Andaman Sea area*. F A. O., colombo, 239-258.
203. Anon. 1988. *Coral reefs of the world*. Vo., II. Indian Ocean. IUCN conservation Monitoring Centre, Cambridge, U. K., 390 pp.
204. Anon. 1989 a. *A colour guide to the fishes of the South China Sea and the Andaman Sea*. Marine Fisheries

Research Department, SEAFDEC, Singapore, 51 pp.

205. Anon. 1989 b. *North Andaman Biosphere Reserve*. Ministry of Environment & Forests, New Delhi, 46 pp.
- 205a. Anon. 1990. *The wildlife (Protection) Act 1972*. Nataraj Publishers, Dehra Dun, 138 pp.
206. Anon. 1991. *Animal resources of India : Protozoa to Mammalia : State of Art*. Zoological Survey of India, Calcutta. 694 pp.
207. Ansari, Z. A. and Abidi, S. A. H. 1989. Andaman Sea : its physical, chemical and biological characteristics. In : *Management of aquatic ecosystems*. (Eds V P Agarwal, Desai, B. N. and Abidi, S. A. H.) Agarwal Printers, Meerut, 21-32.
208. Ansari, Z. A. and Ingole, B. S. 1983. Meiofauna of some sandy beaches of Andaman Islands. *Indian J. mar. Sci.*, 12(4) : 245-246.
209. Ansari, Z. A. and Parulekar, A. H. 1981. Meiofauna of the Andaman Sea. *Indian J. mar. Sci.*, 10(3) : 285-288.
210. Antram, C. B. 1986. *Butterflies of India*. Periodical Export Book Agency, New Delhi, 226 pp.
211. Appukuttan, K. K. 1974. Distribution of coral boring bivalves along the Indian coasts. *J. mar. biol. Ass. India*, 15(1) : 427-430.
212. Appukuttan, K. K. 1977 a. On the occurrence of the green mussel *Perna viridis* (Linnaeus) in Andaman Islands. *Indian J. Fish.*, 24(1&2) : 244-247
213. Appukuttan, K. K. 1977 b. *Trochus* and *Turbo* fisheries in Andamans. *Seaford Export J.*, 9(12) : 21-25.
214. Appukuttan, K. K. 1979. *Trochus* and *Turbo* fishery in Andamans. *Seafood Export J.*, 11(1) : 41-44.

215. Aravindakshan, P.N. 1977 Pterotracheidae (Heteropoda, Mollusca) of the Indian Ocean from the International Indian Ocean Expedition. *Proc. Symp. Warm water Zooplankton, NIO, Goa*, 1 : 137-144.
216. Armstrong, J. 1879. A description of some new species of hydroid zoöphytes from the Indian coasts and seas. *J. Asiat. Soc. Beng.*, 48 : 98-103.
217. Arnaud, P. M., Poizat, C. and Salvini Palwen, L.. V 1986. Marine interstitial Gastropoda : In : *Stygofauna Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. (Ed. L. Botosaneanu), E. J. Brill, Leiden, 153-176.
218. Arnold, D. C. 1956. A systematic revision of the teleost family Carapidae (Percomorpha, Blennioidea), with descriptions of two new species. *Bull. Br. Mus. nat. Hist. (Zool.)*, 4(6) : 247-307
219. Arora, G. S. 1969. Cossidae of India : A taxonomic revision of the Indian species of the family Cossidae (Lepidoptera). *Proc. Indian Sci. Congr.*, 57(3) : 436 (Abstract).
220. Arora, G. S. 1976 a. On a collection of the family Amatidae (Lepidoptera) from Andaman Islands. *Newsl. zool. Surv. India*, 2(3) : 110-111.
221. Arora, G. S. 1976 b. A taxonomic revision of the Indian species of the family Cossidae (Lepidoptera). *Rec. zool. Surv. India*, 69 : 1-160.
222. Arora, G. S. 1980. The lepidopterous fauna of the Andaman Islands : Family Ctenuchidae. *Rec. zool. Surv. India*, 77(1-4) : 7-23.
223. Arora, G. S. 1983. On the lepidopterous fauna of Andaman and Nicobar group of Islands (India) Family – Arctiidae. *Rec. zool. Surv. India, Occ. paper*, 60 : 1-49.
224. Arora G. S. 1991. Lepidoptera : Cossidae. In : *Animal*

Resources of India : Protozoa to Mammalia. Zoological Survey of India, Calcutta. 1 : 435-438.

225. Arora, G. S. and Gupta, I. J. 1979. Taxonomic studies on some of the Indian non-mulberry silk moths (Lepidoptera : Saturniidae). *Mem. zool. Surv. India*, 16(1) : 1-63.
226. Arora, G. S. and Nandi, D. N. 1980. On the butterfly fauna of Andaman and Nicobar Islands (India). I. Papilionidae. *Rec. zool. Surv. India*, 77 : 141-151.
227. Arora, G. S. and Nandi, D. N. 1982. On the butterfly fauna of Andaman and Nicobar Islands. II. Pieridae. *Rec. zool. Surv. India*, 80 : 1-15.
228. Arora, G. S. and Singh, A. K. 1975. Short notes on some records of lithosiin moths (Lepidoptera : Arctiidae) from Great Nicobar Island. *Newsl. zool. Surv. India*, 1 : 6-7
229. Arrow, G. J. 1910. *The fauna of British India, including Ceylon and Burma*. I. Coleoptera : Scarabaeidae : Cetoniinae and Dynastinae. Taylor and Francis Ltd., London, 322 pp.
230. Arrow, G. J. 1917 *The fauna of British India including Ceylon and Burma*. II. Coleoptera : Scarabaeidae : Rutelinae, Desmonycinae and Euchirinae. Taylor and Francis Ltd., London, 387 pp.
231. Arrow, G. J. 1925. *The fauna of British India, including Burma and Ceylon*. III. Coleoptera : Clavicornia : Erotylidae, Languriidae and Endomychidae. Taylor and Francis Ltd., London, 416 pp.
232. Arrow, G. J. 1931. *The fauna of British India, including Burma and Ceylon*. IV Coleoptera : Scarabaeidae : Coprinae. Taylor and Francis Ltd., London, 428 pp.
233. Arrow, G. J. 1943. Systematic notes on the melolonthine beetles belonging to the genus *Lepidiota* and some related genera. *Ann. Mag. nat. Hist.*, 11(1) : 773-785.

234. Arrow, G. J. 1949. *The fauna of British India, including Ceylon and Burma. V Coleoptera : Lucanidae and Passalidae*. Taylor and Francis Ltd., London, 274 pp.
235. Asari, K. P. 1982. Taxonomic status on the genus *Grandidierella* Coutiere (Crustacea, Amphipada). *Bull. Mus. natn. Hist. nat., Paris*, 4: 237-256.
236. Asari, K. P. 1981. The giant-robber crabs in Andaman and Nicobar Islands. *Pragya*, 2 : 32-33.
237. Asari, K. P. 1983. On two new species of gammarids (Amphipoda : Crustacea) from Andaman and Nicobar Islands, India. *Bull. Mus. natn. Hist. nat., Paris*, 5 : 641-649.
238. Asari, K. P. 1984. Aquaculture : Planning and Prospects in the Islands. *The Daily Telegrams*. 16 : 9-11.
239. Attems, C. 1930. Scolopendromorpha. *Das Tierreich.*, 54(2) : 1-308.
240. Attems, C. 1936. Diplopoda of India. *Mem. Indian Mus.*, 11 : 133-316.
241. Awardi, S. A. 1990. *Computerized master plan for welfare of primitive tribes of Andaman & Nicobar Islands*. Andaman and Nicobar Administration, Port Blair, 330 pp.

B

242. Bagla, P. and Menon, S. 1989. *Ravaged forests and soiled seas, with special reference to Andaman and Nicobar Islands*. Kalpavriksh, New Delhi, 60 pp.
243. Baird, R. C. 1971. The systematics, distribution and zoogeography of the marine hatchet – fishes (family – Sternoptychidae). *Bull. Mus. Comp. Zool, Harv.*, 142(1) : 1-128.
244. Baker, C. L. 1938. Formation of the Indo – Pacific coral

reefs and atolls. *Pan-Am. Geol.*, 60 : 15-24.

245. Baker, E. C. S., 1908. *The game birds of India, Burma and Ceylon*. Vols 1-3. Taylor and Francis Ltd., London.
246. Baker, E. C. S. 1922-1930. *The fauna of British India including Ceylon and Burma. Birds*. Vols. I-VIII. Taylor and Francis Ltd., London.
247. Baker, E. C. S. 1935. *The nidification of birds of the Indian empire*. Taylor and Francis Ltd., London, 186 pp.
248. Baldwin, G. C. 1964. *Stone age peoples to-day. The Andaman Islanders*. Norton & Co., New York, 60-73 pp.
249. Ball, V 1870 a. Brief notes on the geology and on the fauna in the neighbourhood of Nancowry harbour, Nicobar islands. *J. Asiat. Soc. Beng.*, 39(2) : 25-34.
250. Ball. V 1870 b. Notes on birds observed in the neighbourhood of Port Blair, Andaman Islands, during the month of August 1864. *J. Asiat Soc. Beng.*, 39 (2) : 240-243.
251. Ball. V 1872. Notes on the collection of birds made in the Andaman Islands by Asst. Surgeon G. E. Dobson during the months April and May, 1868. *J. Asiat. Soc. Beng.*, 41(2) : 273-290.
252. Ball, V 1873. List of birds known to occur in the Andaman and Nicobar Islands. *Stray Feathers*, 1 : 51-90.
253. Balss, H. 1925. Macrura d. Deutschen Tiefsee – Expedition 2. Naturtha Tel A. *Wiss. Ergebn. Ltd. Tiefsee – Exped. 'Valdivia'*, 20(5) 221-315.
254. Balthasar, V 1963 a. Monographie der Scarabaeidae and Aphodiidae der Palaerktischen and Orientalischen Region. Coleoptera Lamellicornia, Scarabaeinae, Coprinae. *Verh. Tsch. Akad. Wiss.*, 1 : 1-391.
255. Balthasar, V 1963 b. Monographie der Scarabaeidae and

Apnodiidae der Palaerktischen und Orientalischen Region. Coleoptera : Lamellicornia, Coprinae. *Verh. Tsch. Akad. Wiss.*, 2 : 1-627

256. Balthasar, V 1964. Monographie Scarabaeidae und Aphodiidae der Palaerktischen und Orientalischen Region. Coleoptera : Lamellicornia, Aphodiidae. *Verh. Tsch. Akad. Wiss.*, 3 : 1-652.
257. Bandy, O. L., Lindenberg, H. G. and Vincent, E. 1971. History of research on Indian Ocean Foraminifera. *J. mar. biol. Ass. India*, 13(1) : 86-104.
258. Banerjee, S., Dutta, P C. Roy, S. K., Nayak, M. K. Saha, K. P. Ghosh, M. Basu, B. Pandit, T N. and Devi. B. 1986. Study of prehistoric fauna excavated from a kitchen midden in South Andaman, an anthropozoological approach. *Human Science*, 35 : 334-347
259. Banerjee, J. 1955. Wild animals in the Andaman Islands. *J. Bombay nat. Hist. Soc.*, 53 : 256.
260. Baqri, H. Q. 1991. Nematoda. In : *Animal resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 99-113.
261. Baqri, H. Q. and Khera. S., 1976. Nematodes from the Andamans and Car Nicobar Island (India). *Nematologica*, 22 : 224-243.
262. Barbe, P. 1846. Notes on Nicobar Islands. *J. Asiat. Soc. Beng.*, 15 : 344-366.
263. Bardhan, A. K., Rai, R. B., Pal, R. N. and Nagarajan, V 1989. Bovine fascioliasis in Great Nicobar. *J. Andaman Sci. Assoc.*, 5(1) : 94-95.
264. Barnard, K. H. 1935. Report of some Amphipoda, Isopoda and Tenauidacea in the collections of the Indian Museum. *Rec. Indian Mus.*, 37 : 279-319.

265. Barnard, K. H. 1936. Isopods collected by R. I. M. S. Investigator. *Rec. Indian Mus.*, 38 : 147-191.
266. Barnard, J. L. 1969. The families and genera of marine Gammaridean Amphipoda. *Bull. U. S. natn. Mus.*, 271 : 1-535.
267. Barner, H. E. 1981. *The birds of India – a guide to Indian ornithology*. Cosmo publications, New Delhi – 245 pp.
268. Barraud, P. J. 1934. *The fauna of British India, including Ceylon and Burma : Diptera. Vol. V. Family Culicidae : Tribes Megarhinini and Culicini*. Taylor and Francis Ltd., London, 463 p.
269. Bartlett, A. D. 1869. Andaman monkey (*Macacus andamanensis*). *Land Water*, 8 : 57
270. Bartsch, I. 1986 Acari Halacaridae. In : *Stygofauna Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters* (Ed. L. Botosaneanu) E. J. Brill, Leiden, 630-642.
271. Basu, P.C. 1958. A note on malaria and filariasis in Andaman and Nicobar Islands. *Bull. Ind. Soc. Mal. Mosq. Dis.*, 6 : 193-206.
272. Basu, R. C. 1982. A review of the taxonomical works done on the hemipterous group of insects during the period 1970-80 in India. *Proc. zool. Soc., Calcutta*, 34 : 35-57
273. Basu, R. C., Ghosh, L. K. and Bal, A. 1991. Hemiptera. In : *Animal Resources of India, Protozoa to Mammalia*. Zoological Survey of India, Calcutta. 323-330.
274. Bayley-Decastro, A. 1933. Early arrival of snipes in the Andamans. *J. Bombay nat. Hist. Soc.*, 36 : 1005-1007
275. Baylis, H. A. 1936. *Fauna of British India, including Burma and Ceylon : Nematoda I*. Taylor and Francis Ltd. London, 408 pp.

276. Baylis, H. A. 1939. *Fauna of British India, including Burma and Ceylon : Nematoda II*. Taylor and Francis Ltd London, 273 pp.
277. Beavan, R. 1866. Letter to editor on birds. *J. Bombay nat. Hist. Soc.*, **36** : 105-107
278. Beavan, R., 1867. Avifauna of the Andaman Islands. *J. Bombay nat. Hist. Soc.*, 2(3) : 314-334.
279. Beeson, C.F.C. 1941. *The ecology and control of the forest insects of India and neighbouring countries*. Govt. of India, Dehra Dun. 767 pp.
280. Belavadi, V V 1988. *Final Report on cataloguing insect pests of agri-horti-silvicultural crops in A & N. Islands*. Central Agricultural Research Institute, Port Blair, 68 pp.
281. Belavadi, V V., Pal, R.N., Ramesh, C.R. and Jacob, T.K. 1989. Outbreak of the psyllid *Heteropsylla cubana* Crawford (Homoptera : Psyllidae) on *Leucaena* in the Andaman Islands. *FAO Pl. Prot. Bull.*, 37 (4) : 178-179.
282. Belavadi, V V and Shah, N.K. 1987 *Zeuzera* sp. (Lepidoptera : Zeuzeridae) - A new record on Amla from South Andaman. *J. Andaman Sci. Assoc.*, 3 (1) : 56-58.
283. Beljeava, N.V 1962. The distribution of the planktonic. Foraminifera in the water masses of the Indian Ocean. *Bull. mosk. Obsheh. Ispyt. Prlr.*, 37 (3) : 98-101.
284. Bell, F.J. 1886. On the holothurians of the Mergui Archipelago collected for the trustees of the Indian Museum, Calcutta by Dr. John Anderson. *J. Linn. Soc. (Zool.)*, 20 : 25-28.
285. Bell, F.J., 1887 Report on a collection of Echinodermata from the Andaman Islands. *Proc. zool. Soc. Lond.*, 1887 : 139-145.

286. Bell, T.R.D. and Scott, F.B. 1937 *The Fauna of British India, including Burma and Ceylon. Moths : Sphingidae* Vol. V Taylor and Francis Ltd., London. 537 pp.
287. Benson, W.H. 1961. Description of a new *Alycaeus* from the Andaman Islands with notes on other Indian Cyclostomaces. *Ann. Mag. nat. Hist.*, 7 : 28-29.
288. Benson, W.H. 1960. Characters of new land shells from Burma and the Andamans. *Ann. Mag. nat. Hist.*, 6 : 190-195.
289. Benson, W.H. 1963. Characters of new land shells of the genus *Helix*, *Claursilia* and *Spiraxis* from the Andamans, Moulmein, Northern India and Ceylon. *Ann. Mag. nat. Hist.*, 11 : 87-91.
290. Benson, W.H., 1968a. Characters of new land shells from the Andaman Islands, Burma and Ceylon and of the animal of *Sophina*. *Ann. Mag. Nat. Hist.*, 11 : 318-323.
291. Benson, W.H. 1968b. Characters of new operculate land shells from the Andamans and of Indian and Burmese species of *Pupa*. *Ann. Mag. Nat Hist.*, 13 : 425-429.
292. Benthem, J.W.S.S.V 1950. Systematic studies on the non-marine Mollusca of the Indo-Australian Archipelago. *Truebia*, 20 : 381-505.
293. Bhakta, N.P 1983. Development of infrastructure facilities for the optimal exploitation of the exclusive economic zone. In : *Fisheries Development in India*. Concept publishing Company, New Delhi, 313-326.
294. Bhakuni, D.S. and Jain, S. 1990. Bioactive metabolites of the marine invertebrates. Part I. Sponges, jelly fishes, sea anemones, corals and bryozoans. *J. Sci. Ind. Res.*, 49 (7) : 330-349.
295. Bhalerao, G. 1935. Helminth parasites of the Indian elephant from the Andamans and Burma. *Indian J. vet.*

Sci., 5 : 1-14.

296. Bharadwaj, P.K. and Kapoor, V.C. 1967 Dermaptera in the National Pusa Collection. *Bull. Ent., New Delhi*, 8 (2) : 1-7
297. Bhaskar, S. 1979a. Sea turtles in the South Andaman Islands. *Hamadryad*, 4(1) : 3-5.
298. Bhaskar, S., 1979b. Sea turtle survey in the Andamans and Nicobars. *Hamadryad.*, 4 (3) : 1-26.
299. Bhaskar, S. 1979c. Discovery of nests of a rare turtle from Andaman Islands. *Indian Express*, 4 (Jan. 1979).
300. Bhaskar, S. 1981a. Greenhorn in the Andamans. *Newsl. Nat. Cl. India*, 6 (3) : 12-14.
301. Bhaskar, S. 1981b. Travels in the Andaman and Nicobar Islands. *Hamadryad*, 6 (1) : 5-6.
302. Bhaskar, S. 1981c. Travels in the Andamans and Nicobars. *Hornbill*, (2) : 14-22.
303. Bhaskar, S. 1981d. Preliminary report on the status and distribution of sea turtles in Indian waters. *Indian Forester*, 107 (11) : 707-711.
304. Bhaskar, S. 1984. The distribution and status of sea turtles in India. *Proc. Workshop Sea turtle conservation, Madras. CMFRI Spl. Publ.*, 18 : 21-35.
305. Bhaskar, S. 1991. Turtles : India's heritage from the sea. *Swagat*, 10 49-52.
306. Bhaskar, S. and Whitaker, R. 1983. Sea turtle resources in the Andamans. *Bull. Cent. Mar. Fish. Res. Inst.*, 34 : 94-97.
307. Bhatia, B.L. 1936. *The fauna of British India, including Ceylon and Burma. Protozoa : Ciliophora*. Taylor and Francis Ltd., London. 493 pp.

308. Bhatia, B.L. 1938. *The fauna of British India including Ceylon and Burma. Protozoa : Sporozoa*. Taylor and Franics Ltd., London, 497 pp.
309. Bhatia, B.L. and Setua, S. 1935. On some gregarine parasites from some polychaetes from Andaman Islands. *Proc. Indian Sci. Congr.*, 22 : 312.
310. Bhatt, T. 1983. India's coral Islands - a fight for survival. *Sunday*, 11 : 38-44.
311. Bhattacharya, A.K. and Das, S.R. 1976. Report on a collection of Protozoa from Andaman and Nicobar Islands. *Newsl. zool. Surv. India*, 2 (4) : 154-156.
312. Bhattacharya, D.P. 1976. On the occurnence of the stem borer *Sesamia inferens* (Walker) (Insecta : Lepidoptera Noctuidae) in the Andaman Islands, together with its host range of cultivated crops in the mainland of India. *Newsl. zool. Surv. India*. 2 (3) : 105.
313. Bhattacharya, D.P. 1977 On *Xanthomelaena schematias* (Meyrick) (Lepidoptera Pyralidae) - a new record from Great Nicobar Island, India. *Newsl. zool. Surv. India*, 3 (5) : 258.
314. Bhattacharya, D.P and Mandal, D.K. 1976. A new record of *Terastia meticulosalis* Guenee (Lepidoptera : Pyralidae) from the Car Nicobar Island. *Newsl. zool. Surv. India*, 2 (1) : 23-24.
315. Bhattacharyya, T.P 1975. Occurrence of Dobson's longtongued fruit bat, *Eonycteris spelaea* (Dobson) (Mammalia : Chiroptera Pteropidae) in the Andaman Islands, India. *Sci. Cult.*, 41 (7) 317-318.
316. Bhattacharyya, T.P 1976. Occurrence of Indian pipistrelle, *Pipistrellus coromandra* (Gray) (Mammalia : Chiroptera Vespertilionidae) in Car Nicobar, Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 73 (3) :

516.

317. Bhattathiri, P.M.A. and Devassy, V.P. 1981. Primary productivity of the Andaman Sea. *Indian J. mar. Sci.*, **10** : 243-247
318. Bhattee, S.S. 1986. Forests and forestry in Andaman and Nicobar Islands. *Seminar on Integrated Management of resources of A & N Islands, CSIR., New Delhi*. 64 pp.
319. Bhowmik, H.K. 1969. Studies on Indian crickets (Orthoptera : Insecta) I. *Zool. Anz.*, **182**: 143-152.
320. Bhowmik, H.K. 1970. The gryllid fauna (Orthoptera : Insecta) of the Great Nicobar Island, India. *J. zool. Soc. India*, **22** (1 & 2) : 69-86.
321. Bhowmik, H.K. 1975. Studies on Indian crickets (Orthoptera : Insecta) III. *J. Bombay nat. Hist. Soc.*, **72** (2) : 368-382.
322. Bhowmik, H.K. 1977a. On the new records of the genus *Tartarocryllus* Tarbinskii and the description of *Velarifictorus andamanensis* (Bh.). from India. *Rec. zool. Surv. India*, **72** : 363-366.
323. Bhowmik, H.K. 1977b. Studies on Indian crickets (Orthoptera : Insecta) with descriptions of two new species. *Rec. zool. Surv. India*, **73** (1-4) : 23-39.
324. Bhumannavar, B.S. 1989. New records of insect pests on fruit crops in South Andaman. *J. Andaman Sci. Assoc.*, **5** (2) : 127-131.
325. Bhumannavar, B.S. 1990a. New records of insect pests of pulse and vegetable crops in South Andaman. *J. Andaman Sci. Assoc.*, **6** (1) : 19-23.
326. Bhumannavar, B.S. 1990b. Further new records of insect pests on fruit crops in South Andaman. *J. Andaman Sci. Assoc.*, **6** (2) : 122-126.

327. Bhumannavar, B.S. 1990c. New records of some aphids, white flies and scale-insects associated with crops in South Andaman. *J. Andaman Sci. Assoc.*, 6 (2). 169-170.
328. Bhumannavar, B.S. 1991a. Phytophagous insects on weeds in South Andaman. *J. Andaman Sci. Assoc.*, 7 (1): 53-61.
329. Bhumannavar, B.S. 1991b. New records of *Sorolopha archimedis* Meyr. on cinnamon and *Meliteria hemidoxa* (Meyr.) on betel vine in South Andaman. *J. Andaman Sci. Assoc.*, 7 (2) : 82-83.
330. Bhumannavar, B.S. 1991c. Record of *Citripestes entraphera* (Meyrick) (Pyralidae : Lepidoptera) on *Magnifera andamanica* in India. *J. Bombay nat. Hist. Soc.*, 88 (2) : 299.
- 330a. Bhumannavar, B.S. 1991d. Pest problems : a serious concern in island agriculture. *J. Coastal Agric. Res.*, 9 : 285-288.
- 330b. Bhumannavar, B.S., Gangopadhyaya, P., Gangwar, B. and Bandyopadhyay, A.K. 1991. *Abstracts of agricultural research in Bay Islands (1978-1990)*. Central Agricultural Research Institute, Port Blair, 76 pp.
331. Bhumannavar, B.S. and Jacob, T.K. 1989. *Psoraleococcus multipori* (Morrison) on mango in Andaman Islands. *FAO Pl. Proc. Bull.*, 37 (3) : 111.
332. Bhumannavar, B.S. and Jacob, T.K. 1990. *Tirathaba mundella* Walker (Pyralidae : Lepidoptera), a new fruit borer of mango in South Andaman. *Entomon*, 15 (3 & 4) : 286-287
333. Bhumannavar, B.S., Mohanraj, P., Ranganath, H.R., Jacob, T.K. and Bandyopadhyay, A.K. 1991. *Insects of agricultural importance in Andaman and Nicobar Islands*. Central Agricultural Research Institute, Port

Blair, 49 pp.

334. Bingham, C.T. 1897 *The fauna of British India including Ceylon and Burma. Hymenoptera*. Vol. I. Taylor and Francis Ltd., London. 564 pp.
335. Bingham, C.T. 1903. *The fauna of British India including Ceylon and Burma. Hymenoptera*. Vol. II. Taylor and Francis Ltd., London, 496 pp.
336. Biswas, A. 1972. Natural resources of Andaman and Nicobar Islands. *The Daily Telegrams*, 38 : 4.
337. Biswas, B. 1964. Comments on Ripley's synopsis of the birds of India and Pakistan. *J. Bombay nat. Hist. Soc.*, **60** (3) : 679-689.
338. Biswas, D.N. and Biswas, S. 1985. Insecta Coleoptera : Staphylinidae. *Rec., zool. Surv. India*, 82 : 139-146.
339. Biswas, K.P. 1983. Towards developing fisheries in the Bay Islands. *The Daily Telegrams*, 22 : 10-12.
340. Biswas, P.K., Pal, P.N. and Nagarajan, V. 1988. Stephanofilarial dermatitis in Nicobar Islands. *J. Andaman Sci. Assoc.*, 4 (2) : 145-146.
341. Biswas, S. 1984. Some notes on the reptiles of the Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 81 : 476-480.
342. Biswas, S. 1989. Contributions of the Zoological Survey of India to the conservation of reptiles in India. *Zoologica*, 5 : 17-21.
343. Biswas, S. and Sanyal, D.P. 1965. A new species of wolfsnake of the genus *Lycodon* Boie (Reptilia : Serpentes : Colubridae) from the Andaman and Nicobar Islands. *Proc. zool. Soc., Calcutta*, 18 : 137-141.
344. Biswas, S. and Sanyal D.P. 1977a. Notes on the Reptilia collection from Great Nicobar Island during the Great

Nicobar Expedition in 1966. *Rec. zool. Surv. India*, 72 : 107-124.

345. Biswas, S. and Sanyal D.P. 1977b. A new species of skink of the genus *Dasia* Gray 1889, (Reptilia : Scincidae) from Car Nicobar island, India. *J. Bombay Nat. Hist. Soc.*, 74 (1) : 133-136.
346. Biswas. S. and Sanyal, D.P. 1987 A new species of Krait of the genus *Bungarus* Daudin, 1803 (Serpentes : Elapidae) from the Andaman Islands. *J. Bombay nat. Hist. Soc.*, 75 (1) 179-183.
- 347 Biswas, S. and Sanyal, D.P. 1980. A report on the reptilian fauna of Andaman and Nicobar islands in the collection of Zoological Survey of India. *Rec. zool. Surv. India*, 77 (1-4) : 255-292.
348. Biswas, S. and Chatterjee, S.K. 1985. Insecta : Coleoptera Scarabaeidae : Coprinae. *Rec. zool. Surv. India*, 82 : 147-177
349. Blair, K.G. 1922. The Heteromera of Barkuda Island. *Rec. Indian Mus.*, 24 (3) : 289-297
350. Blanford, W.T. 1895. *The fauna of British India including Ceylon and Burma. Birds*. Vol. III. Taylor and Francis Ltd., London, 450 pp.
351. Blanford, W.T. 1898. *The fauna of British India including Ceylon and Burma. Birds*. Vol. IV Taylor and Francis Ltd., London, 500 pp.
352. Blanford, W.T 1901. The distribution of vertebrate animals in India, Ceylon and Burma. *Phil. Trans. Roy. Soc.*, 194 : 335-436.
353. Blanford, W.T and Godwin-Austan, H.H. 1908. *Fauna of British India including Ceylon and Burma. Mollusca* (Testacellidae and Zonitidae), Vol. I. Taylor and Francis Ltd., London, 311 pp.

354. Bleeker, P 1860. Zesde Bijdrage tot de kennis dervischfauna Van Timor. *Natuurk. Tijdschr. Ned. - Indie*, 22 : 247-261.
355. Bloch, M. 1886. *Naturgeschichte der auseandischen Fische*. Berlin, 2 : 1-160.
356. Blyth, E. 1845 a. Notices and descriptions of various new and little known species of birds. *J. Asiat. Soc. Beng.*, 14 : 173-212.
- 357 Blyth, E. 1845 b. Notices and descriptions of various new and little known species of birds. *J. Asiat. Soc. Beng.*, 14 : 546-602.
358. Blyth, E. 1846 a. Notices and descriptions of various new and little known species of birds. *J. Asiat. Soc. Beng.*, 15 : 1-54.
359. Blyth, E. 1846 b. Notes on the fauna of Nicobar Islands. *J. Asiat. Soc. Beng.*, 15 : 367-379.
360. Blyth, E. 1858. Report of curator, Zoological Department, for May, 1858. *Proc. Asiat. Soc. Beng.*, 27(3) : 267-298.
361. Blyth, E. 1859. Report of curator, Zoological Department. *J. Asiat. Soc. Beng.*, 28 : 271-290.
362. Blyth, E. 1860. Report of curator, Zoological Department. *J. Asiat. Soc. Beng.*, 29 : 87-115.
363. Blyth, E. 1861 a. On some fishes from Port Blair. *Proc. Asiat. Soc. Beng.*, 29 : 142-196.
364. Blyth, E. 1861 b. Report on some fishes received chiefly from the Sitang river and its tributary streams, Tenasserim provinces. *J. Asiat. Soc. Beng.*, 29 : 138-174.
365. Blyth, E. 1863 a. The Zoology of Andaman Islands. 'Appendix to Moutars' Adventures and researches among the "Andaman Islanders" *J. Asiat. Soc. Beng.*, 32 : 345-367

366. Blyth, E. 1863 b. Report of curator, Zoological Department. *J. Asiat. Soc. Beng.*, 32 : 85-89.
367. Blyth, E. 1866. Abstracts from letters form Capt. Blair. *J. Asiat Soc. Beng.*, 36 : 220-221.
368. Blyth, E. 1868. Letter to editor on birds. *J. Asiat. Soc. Beng.*, 37 : 131-133.
369. Beden-Kloss, C. 1902. *Andamans and Nicobars : The narrative of a cruise in the schooner "Terrapin", with notes of the islands, their fauna, flora, ethology, etc.* Vivek Publishing House, Delhi. Reprint 1971, 373 pp.
370. Bogorov, B. G. and Rass, T.S. 1961. On productivity and the prospects of fishing in the waters of the Indian Ocean. *Okeanologiya*, 1 : 107-109.
371. Bohlke, J. E. and Randall, J. E. 1981. Four new garden eels (Congridae, Heterocongrinae) from the Pacific and Indian Oceans. *Bull. Mar. Sci.*, 31(2) : 366-382.
372. Bomford, T L. 1913. Some salps taken by R. I. M. S. *Investigator* in the Bay of Bengal and the Andaman Sea. *Rec. Indian Mus.*, 9 : 243-245.
373. Bonnington, H. 1931. With the aborigines of the Andamans. *Indian Frester*, 57 : 264-267
374. Boonragra, V 1987. Tuna resources in Thai waters, Andaman Sea. *F. A. O., Colombo*, 1 : 267-280.
375. Boschma, H. 1962. Rhizocephalan parasite of a spider-crab from the Andaman Sea. *Proc. K ned. Akad. Wet.*, 65 : 294-301.
376. Bose, G. 1976. A further record *Neotermes andamanensis* Snyder, the little known termite of the Andamans. *Newsl. zool. Surv. India*, 2 (3) : 104.
377. Bose, G. 1980. A further contribution to the study of termite fauna of Andaman and Nicobar Islands. *Rec.*

zool. Surv. India, 77 (1-4) : 93-109.

378. Bose, S. 1964. Economy of the Onge of Little Andaman. *Man in India*, 44 : 298-310.
379. Botosaneanu, L. 1986. *Stygofauna Mundi – a faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. E. J. Brill, Leiden, 740 pp.
380. Boulenger, G. A. 1885. *Catalogue of lizards in the British Museum*. British Museum (Natural History), London, 497 pp.
381. Boulenger, G. A. 1890. *The fauna of British India, including Ceylon and Burma : Reptilia and Batrachia*. Taylor and Francis Ltd., London, 541 pp.
382. Boulenger, G. A. 1920. A monograph of the South Asian, Papuan, Melanesian and Australian frogs of the genus *Rana*. *Rec. Indian Mus.*, 20 : 1-226.
383. Braver, F. 1865. Zweiter Bericht uber die auf der wellfahrt der Kais. Fregatte Novare gesammelten Neuroptera. *Verh. zool. bot. Ges. Wien.*, 15 : 903-908.
384. Brenske, E. 1898. Die Serica Arten der Erde. Para II. *Berl. ent. Z.*, 43 : 205-404.
385. Brenske, E. 1899. Diagnoses Melolonthidarum novarum ex India orientale. *Indian Museum Notes*, 4 : 176-180.
386. Bridgman, P. G. 1909. Description of a new species of *Oliva* from the Andaman Islands. *Proc. malac. Soc. Lond.*, 8 : 287
387. Briggs, J. C. 1960. Fishes of worldwide (circumtropical) distribution. *Copeia*, (3) : 171-180.
388. Brinck, P. 1984. Results of the Austrian-Indian Hydrobiological Missions of 1976 to the Andaman Islands. Part 8. The whirligin beetles (Gyrinidae) of the Andaman

Islands. *Annln. natur. Mus. Wien*, 86 : 225-226.

389. Brinkhurst, R. O. and Jamieson, B. G. M. 1971. *Aquatic oligochaetes of the world*. University of Toronto, Toronto, 860 pp.
390. Brinton, R. and Gopalakrishnan, K. 1973. The distribution of Indian Ocean euphausiids. In : *The biology of the Indian Ocean*. (Eds. B. Zeitzschal and S. A. Gerlach). Springer Verlag, Berlin, 357-382.
391. Bruce, A. J. 1974. A report on a small collection of Pontoniine shrimps from the northern Indian ocean. *J. mar. biol. Ass. India*, 16 (2) : 437-454.
392. Bruce, R. W and Randall J. E. 1985. A revision of the Indo-West Pacific parrotfish genera *Calotomus* and *Leptoscarus* (Scaridae : Sparisomatinae). *Indo-Pacific fishes*, 5 : 1-32.
393. Brunetti, E. 1907 Revision of the Oriental *Stratiomyidae* with *Xylomyia* and its allies. *Rec. Indian Mus.*, 1 (2) : 85-132.
394. Brunetti, E. 1912. *The fauna of British India including Ceylon and Burma. Diptera : Nematocera*. Vol. I. Taylor and Francis Ltd., London, 581 pp.
395. Brunetti, E. 1920. *The fauna of British India, including Ceylon and Burma. Diptera : Brachycera*. Vol. II. Taylor and Francis Ltd., London, 401 pp.
396. Brunetti, E. 1923. *The fauna of British India including Ceylon and Burma. Diptera : Pipunculidae, Syrphidae, Conopidae, Oestridae*. Vol. III. Taylor and Francis Ltd., London, 424 pp.
397. Brunn, A. F., Greve, S. V Mielche, H. and Sparck, R. (Eds.). 1956. *The Galathea Deep-Sea Expedition 1650-52*. George Allen and Unwin Ltd., London, 296 pp.

398. Buchsbaum, R. and Milne, L. J. 1960. *Living invertebrates of the world*. Hamish Hamilton, London, 303 pp.
399. Burgess, W E. 1978. *Butterflyfishes of the world : a monograph of the family chaetodontidae*. T F.H., Reigate (U.K), 832 pp.
400. Burgess, W E. 1981. *Pomacentrus alleni* and *Amphiprion thieliei*, two new species of pomacentrids (Pisces : Pomacentridae) from the Indo-Pacific. *Trop. Fish Hobby*. 30 (3) : 72-73.
401. Burns, R. E. 1964. Sea bottom heat flow measurement in the Andaman Sea. *J. geophys. Res.*, 62(22) : 4918-4919.
402. Burr. M. 1910. *The Fauna of British India including Ceylon and Burma. Dermaptera* : Taylor and Francis Ltd., London; 217 pp.
403. Burton, M. 1928. Report on some deep-sea sponges from the Indian museum collected by the R. I. M S. "Investigator" Part II. *Rec. Indian Mus.*, 30 (1) : 109-138.
404. Burton, M. 1963. *A revision of the classification of the calcareous sponges*. British Museum (Natural History), London, 693 pp.
405. Burton, M. and Rao, H. S. 1932. Reports on the shallow water marine sponges in the collection of the Indian Museum. *Rec. Indian Mus.*, 34 : 299-356.
406. Bustard, H. R. and Choudhury, B. C. 1980. Conservation future of the salt-water crocodile (*Crocodylus porosus* Schneider) in India. *J. Bombay nat. Hist. Soc.*, 77 (2) : 201-214.
407. Bustard, H. R. and Kar, S. K. 1980. Defence of the nest against man by the salt water crocodile (*Crocodylus porosus* Schneider): *J. Bombay nat. Hist. Soc.*, 77 (3) : 514-515;

408. Butler, A. L. 1899 a. The birds of the Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 12 (2) : 386-403.
409. Butler, A. L. 1899 b. The birds of the Andaman and Nicobar Islands *J. Bombay nat. Hist. Soc.*, 12 (3) : 555-571.
410. Butler, A. L. 1899 c. The birds of the Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 12 (4) : 684-696.
411. Butler, A. L. 1900. The birds of the Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 13 (1) : 144-154.

C

412. Calman, W T 1923. Pycnogonida of the Indian Museum. *Rec. Indian Mus.*, 25 : 264-299.
413. Calman, W T. 1938. Pycnogonida. *Sci. Rep. John Murray Exped.*, 5 : 147-166.
414. Camerano, L. 1908. Gordiens du musee Indian. *Rec. Indian Mus.*, 2 (2) : 113-117
415. Cameron, M. 1930. *The fauna of British India, including Burma and Ceylon : Coleoptera, Staphylinidae*. Vol. I Taylor and Francis Ltd., London, 471 pp.
416. Cameron, M. 1931. *The fauna of British India including Ceylon and Burma. Coleoptera : Staphylinidae*. Vol. II. Taylor and Francis Ltd., London, 257 pp.
417. Cameron, M. 1932. *The fauna of British India, including Ceylon and Burma. Coleoptera : Staphylinidae*. Vol. III. Taylor and Francis Ltd., London, 443 pp.
418. Cameron, M. 1937 *The fauna of British India including Ceylon and Burma. Coleoptera : Staphylinidae*. Vol. IV Tatlor and Francis Ltd., 691 pp.

419. Carcasson, R. H. 1977 *A field guide to the coral reef fishes of the Indian and West Pacific oceans*. William Collins Sons and Co. Ltd., London, 320 pp.
420. Caruso, J. H. 1983. The systematics and distribution of the lophiid angelfishes. II Revisions of the genera *Lophiomus* and *Lophius*. *Copeia*, 26 : 11-30.
421. Castle, P. H. J. 1967 Heterocongrine eels in South West Pacific. *Rec. Dom. Mus.*, 6 : 5-12.
422. Castle, P. H. J. 1968. The Congrid eels of the Western Indian Ocean and the Red Sea. *Ichthyol. Bull. Rhodes. Univ.*, (33) : 685-726.
423. Chak, B. L. 1967 *Green Islands in the sea*. Ministry of Information and Broadcasting, Delhi, 216 pp.
424. Chakraborty, D. K. 1990. *The Great Andamanese struggling for survival*. Seagull Books, Calcutta, 83 pp.
425. Chakraborty, P. 1980. New records from Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 76 (1) : 212-215.
426. Chakraborty, S. 1978. A new species of the genus *Crocidura* Wagler (Insectivora : Soricidae) from Wright Myo, South Andaman Island, India. *Bull. zool. Surv. India*, 1 (3) : 303-304.
427. Chana, S. S. 1976. Wildlife and its protection. *Yojana*, 20 : 72-73.
428. Chanda, S. 1976. The hostile Jarawa of Andaman and the semi-hostile Shompen of Great Nicobar Island. *J. Social Res.*, 19 (2) : 64-73.
429. Chanda, S. K. 1991. Amphibia. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta. 1 : 631-636.
430. Chandra, K. 1991. The scarabaeid fauna (Coleoptera :

- Insecta) of Bay Islands. *J. Andaman Sci. Assoc.*; 7 (2) : 93-94.
431. Chandra, M. 1983. A check-list of leeches of India. *Rec. zool. Surv. India*, 80 : 265-290.
432. Chandra, M. 1991. *The leeches of India a handbook*. Zoological Survey of India, Calcutta, 117 pp.
433. Chandy, M. 1953. A key to the identification of the catfishes of the genus *Tachysurus* Lacepede, with a catalogue of the specimens in the collection of the Indian Museum. *Rec. Indian Mus.*, 51 (1) : 1-18.
434. Chansang, H. 1984. Review of some coral reef assessment methods commonly used in South East Asia, the Pacific and elsewhere : coral reef survey methods in Andaman Sea. *Coral Reef Survey Methods*, UNESCO, Paris, 21 : 27-35.
435. Chari, S. T 1964. Marine turtle fishery of India. *Indian Seafoods*, 2 (1) : 9-11.
436. Charuchinda, M. and Hylleberg, J 1984. Skeletal extension of *Acropora formosa* at a fishing reef in the Andaman Sea. *Coral reefs*, 3 (4) : 215-219.
437. Chasen, F N. 1939. *The birds of the Malay Peninsula : The birds of the low country jungle and scrub*. H. F & G. Witherby, London.
438. Chatterjee, A. K. 1964 a. Tertiary Foraminifera from Andamans. *Indian Miner.*, Calcutta, 16 : 306.
439. Chatterjee, A. K. 1964 b. The tertiary fauna of Andaman. *Proc. 22nd International Geol. Cong.*, 8 : 305-318.
440. Chatterjee, S. K. 1976. Some interesting species of wildlife in Bay Islands. *The Andaman & Nicobar Information*, 1 : 101-106.
441. Chatterjee, S. K. 1977 Wildlife in the Andaman and

Nicobar Islands. *Tiger Paper*, 4 (1) : 2-5.

442. Chatterjee, T. 1991. *Copidognathuseblingi*, a new species of Halacaridae (Acari) from Andaman Islands. *J. Bombay nat. Hist. Soc.*, 88 (1) : 88-92.
443. Chatterji, S. 1976. Andaman shell handicrafts. *Yojana*, 20 (13) : 70-71.
- 443a. Chattopadhyay, S. 1988. *A report on the status of the Nicobar megapode, Megapodius freycinet abbotti* Oberholser. Zoological Survey of India, Calcutta, 12 pp.
444. Chaturvedi, N. C. 1982. Butterflies from Andaman Islands with some new records. *J. Bombay. nat. Hist. Soc.*, 79 (3) : 702-704.
445. Chaturvedi Y. 1966 a. A new house rat (Mammalia : Rodentia : Muridae) from the Andaman and Nicobar Islands. *Proc. zool. Soc., Calcutta*, 19 : 141-144.
446. Chaturvedi, Y. 1966 b. Occurrence of the Northern Palm Squirrel, *Funambulus pennanti* Wroughton in the Andamans. *J. Bombay nat. Hist. Soc.*, 62 (3) : 545-546.
447. Chaturvedi, Y. 1969. Two new records of bats from Assam and Andaman Islands. *Labdev. J. Sci. Tech., Kanpur*, 7 (1) : 74-75.
448. Chaturvedi, Y. 1980. Mammals of the Andamans and Nicobars, their zoogeography and faunal affinity. *Rec. zool. Surv. India*, 77 : 127-139.
449. Chaturvedi, Y. and Kansal, K. C. 1977. Check-list of Indian nematodes (animal parasites). *Rec. zool. Surv. India, Occ. paper*, 5 : 1-148.
450. Chawala, M. M. 1965. The role of livestock in the economy of the Islands. *The Andaman and Nicobar Information*, 1 : 81-85.
451. Chebova, K. 1971. Distribution commercial sea fishes in

the Bay of Bengal and the Andaman sea. *Soviet Fisheries Investigations in the Indian Ocean*, 1 : 24-36.

452. Checkunova, V I. 1973. Distribution of commercial invertebrates on the shelf of India, the north-eastern part of the Bay of Bengal and the Andaman Sea. *Soviet Fisheries investigations in the Indian Ocean*, 1 : 68-83.
453. Cherchi, M. A. 1954. Una nova sottospecie di *Kalouaa baleata* delle Isole Andamane. *Doriana*, 1(47) : 1-4.
454. Cherian, P. T 1977 Description of three new and records of two known species of Chloropidae (Diptera) from India. *Rec. zool. Surv. India*, 73 (1-4) : 179-187
455. Cherian, P. T 1991. Diptera : Chloropidae. In: *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 415-417
456. Chidambaram, K. 1991. Management and conservation of marine fishery resources. *Bull. Cent. Mar. Fish. Res. Inst.*, 44 (3) : 594-603.
457. Chhotani, G., Lahiri, A. R. and Mitra, T. R. 1983. Contribution to the odonate (Insecta) fauna of the Andaman and Nicobar Islands with description of two new species. *Rec. zool. Surv. India*, 80 : 467-494.
458. Chhotani, O. B. 1977 A review of taxonomy of Indian termites. *Rec. zool. Surv. India, Occ. paper*, 9 : 1-36.
459. Chhotani, O. B. 1980. Termite pests of agriculture in the Indian region and their control. *Tech. Monogr., Zool. Surv. India*, 4 : 1-94.
460. Chhotani, O. B. and Das, B. C. 1983. A review of the Indian species of the genus *Reticulitermes* Holmgren (Isoptera : Rhinotermitidae). *Rec. zool. Surv. India*, 80 : 315-329.
461. Chhotani, O. B. and Maiti, P. K. 1970. A compectus of the

Formicidae of the Andaman Islands. *Proc. 57th Indian Sci. Congr.*, (3) : 438 (Abstr.).

462. Chhotani, O.B. and Maiti, P.K. 1976. Contribution to the knowledge of Formicidae of the Andaman Islands. *Newsl. zool. Surv. India*, 3 (1) : 17-20.
463. Chiba, T. 1956. Studies on the development and the systematics of Copepoda. *J. Shimonoski Coll. Fish*, 6 (1) : 1-90.
464. Chilton, C. 1926. The Tenaidea and Isopoda of Tate Sap. *Rec. Indian Mus.*, 28 : 173-185.
465. Chopard, L. 1969. *The fauna of India and adjacent countries : Orthoptera : Grylloidea*. Vol. II. Manager of Publications, Govt. of India, Delhi, 421 pp.
466. Chopra, B. 1923. Bopyrid isopods parasitic on Indian Decapoda, Macrura. *Rec. Indian Mus.*, 25 (5) : 411-550.
467. Chopra, B. 1930a. Further notes on bopyrid isopods parasitic on Indian Decapoda, Macrura. *Rec. Indian Mus.*, 32 (2) : 113-147
468. Chopra, B. 1930b. Further notes on Crustacea Decapoda in the Indian Museum I. On two new species of Hymenosomatid crabs with notes on some other species. *Rec. Indian Mus.*, 32 : 413-429.
469. Chopra, B. 1930c. The history and progress of Zoological Survey of India : Crustacea. *J. Bombay nat. Hist. Soc.*, 34 : 502-506.
470. Chopra, B. 1931. Further notes on Crustacea Decapoda in the Indian Museum II. On some Decapoda Crustacea found in the cloaca of holothurians. *Rec. Indian Mus.*, 33 : 303-324.
471. Chopra, B. 1933a. Further notes on Crustacea Decapoda in the Indian Museum III. On the Decapod Crustacea

collected by the Bengal pilot service off the mouth of the river Hugli. Dromiacea and Oxystomata. *Rec. Indian Mus.*, **35** (1) : 25-32.

472. Chopra, B. 1933b. Further notes on Crustacea Decapoda in the Indian Museum. IV On two new species of oxystomous crabs from the Bay of Bengal. *Rec. Indian Mus.*, **35** (1) : 77-86.
473. Chopra, B. 1934. On the stomatopod Crustacea collected by the Bengal Pilot service off the mouth of the river Hugli, together with notes on some other forms. *Rec. Indian Mus.*, **36** (1) : 17-43.
474. Chopra, B. 1935. Further notes on Crustacea Decapoda in the Indian Museum. VIII. On the Decapod Crustacea collected by the Bengal Pilot Service off the mouth of the River Hooghly Brachygnatha (Oxyrhyncha and Brachyrhyncha). *Rec. Indian Mus.*, **37** (4) : 463-514.
475. Chopra, B. 1939. Some food prawns and crabs of India and their fisheries. *J. Bombay nat. Hist. Soc.*, **41**(2) : 221-234.
476. Chopra, B. and Das, K. N. 1937 Further notes on Crustacea Decapoda in the Indian Museum. IX. On three collections of crabs from Tavoy and Mergui Archipelago. *Rec. Indian Mus.*, **39** : (4) 337-343.
477. Choudhuri, B. 1982. *Tribal development in India*. Inter India Publications, Delhi, 216 pp.
478. Choudhury, B.C. and Bustard, H. R. 1979. Predation on natural nests of the salt water crocodile (*Crocodylus porosus* Schneider) in North Andaman island with notes on the crocodile population. *J. Bombay nat. Hist. Soc.*, **76**(2): 311-323.
479. Choudhury, N.C. 1976. Onges of Little Andaman : 20 years after. *J. Social Res.*, **19**(2) : 51-63.

480. Christophers, S. R. 1912. *Malaria in Andamans*. Scientific Memoir No. 56. Govt. of India Press, Calcutta, 156 pp.
481. Christophers, S. R. 1933. *The fauna of British India, including Ceylon and Burma. Diptera : Family Culcidae* Vol. IV Taylor and Francis Ltd., London, 371 pp.
482. Cipriani, L. 1961. Hygiene and medical practices among the Onge. *Anthropos*, **56** : 481-500.
483. Cipriani, L. 1969. *The Andaman Islanders*. Weidenfield and Nicholson, London, 159 pp.
484. Clark, A.H. 1909 a. Description of seventeen new species of recent crinoids. *Proc. U. S. nat. Mus.*, **36** : 633-651.
485. Clark, A.H. 1909 b. New recent crinoids from the Indian Ocean. *Proc. biol. Soc. Wash.*, **22** : 75-85.
486. Clark, A.H. 1909 c. New recent Indian crinoids. *Proc. biol. Soc. Wash.*, **22** : 143-152.
487. Clark, A.H. 1912 a. The crinoids of the Indian Ocean. *Echinoderma of the Indian Museum*, Part VII : 1-325, Calcutta.
488. Clark, A.H. 1912 b. On a small collection of recent crinoids from the Indian Ocean. *Rec. Indian Mus.*, **7** : 267-271.
489. Clark, A.H. 1932. On a collection of crinoids from the Indian Ocean and the Bay of Bengal. *Rec. Indian Mus.*, **34** : 551-566.
490. Clark, A.H. 1937. Crinoidea. *Sci. Rep. John Murray Exped.*, **4** : 87-108.
491. Clark, A.H. 1947 A monograph of the existing crinoids I. Comatulids. *Bull. U.S. natn. Mus.*, **82** : 1-603.
492. Clark, A.H. and Clark, A.M. 1967. A monograph of the existing crinoids. I. The Comatulids. *Bull. U. S. natn. Mus.*, **82** : 1-860.

493. Clark, A.M. 1967 Notes on the asteroids in the British Museum (Natural History) V *Nardoa* and some other ophiasterids. *Bull. Br. Mus. nat. Hist. (Zool)*, **15** : 169-198.
494. Clark, A.M. 1968. Notes on some tropical Indo-Pacific ophiotrichids and ophi dermatids (OPHIUROIDEA). *Bull. Br. Mus. nat. Hist. (Zool.)*, **16** : 275-322.
495. Clark, A.M. and Rowe, F W.E.1971. *Monograph of shallow-water Indo-West Pacific echinoderms*. British Museum (natural History), London, 238 pp.
496. Clark, H.L. 1925. *A catalogue of recent sea-urchins (Echinoidea) in the collection of the British Museum*. British Museum (Natural History), London, 250 pp.
497. Clark, H.L. 1939. Ophiuroidea. *Sci. Rep. John Murray Exped.*, **6** : 29-136.
498. Clark, H.L. 1948. Echinoids of the Murray Expedition. *Sci. Rep. John Murray Exped.*, **9(1)** : 1-15.
499. Clausen, C. and Salvini Plawen, L. V. 1986. Cnidaria. In : *Stygofauna Mudi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. (Ed. L. Botosaneanu) E. J. Brill, Leiden, 33-42.
500. Clay, T 1940. Genera and species of Mallophaga (Phthiraptera : Insecta) occurring on gallinaceous hosts. Part. II. *Goniodes*. *Proc. zool. Soc. Lond.*, **110** : 1-120.
501. Clay, T. 1983. A revision of the genera and species of Mallophaga (Phthiraptera : lice) occurring on gallinaceous hosts. Part I. *Liperus* and related genera. *Proc. zool. Soc. Lond.*, **108** : 109-204.
502. Cleve, P. T 1901. Plankton from the Indian Ocean and the Malay Archipelago. *K. svenska Vetensk-Akad. Handl.*, **35 (5)** : 1-58.

503. Cohen, D. M. 1973. Zoogeography of the fishes of the Indian Ocean, In : *Ecological studies, analysis and synthesis* (Ed. B Zeitzschel), Springer Verlag, Berlin, 451-463.
504. Cohen, M and Nielson, J G. 1978. Guide to the identification of genera of the fish order ophidiiformes with tentative classification of the order. *NOAA Tech. Rep. NMFS Circ.*, 417 : 1-72.
505. Coineau, N. 1986. Isopoda. In : *Stygofauna Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. (Ed. L. Botosaneanu). E. J. Brill, Leiden, 465-478.
506. Coineau, N. and Rao, G. G. 1972. Isopodes et Amphipodes des sables intertidaux des iles Andaman et Nicobar (Golfe du Bengale). *Vie Milieu*, 23 : 65-100.
507. Coineau, N. and Stock, J. H. 1986. Amphipoda. In : *Stygofauna Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. (Ed. L. Botosaneanu) E. J. Brill, Leiden, 574-592.
508. Collette, B.B. 1974. The garfishes (Hemiramphidae) of Australia and New Zealand. *Rec. Aust. Mus.*, 29 (2) : 11-105.
509. Collette, B.B. 1976. Indo-West Pacific halfbeaks (Hemirhamphidae) of the genus *Rhynchorhamphus* with descriptions of two new species, *Bull. mar. Sci. Gulf Caribb.*, 26 (1) : 72-98.
510. Collette, B. B. and Chao, L. N. 1975. Systematics and morphology of the Bonitos (*Sarda*) and their relatives (Scombridae, Sardini). *U.S. Natl. Mar. Fish. Bull.*, 73 (3) : 516-625.
511. Collette, B.B. and Gibbs R.H. 1973. A preliminary review

of the fishes of the family Scombridae. *FAO Fish. Rep.*, 6(1) : 23-32.

512. Collette, B.B. and Nauen, C.E. 1983. FAO species catalogue. Vol. 2 Scombrids of the world. An annotated and illustrated catalogue of tuna, mackerels, bonitos and related species known to-date. *FAO Fish. Synop.*, (125) 2 : 1-137
513. Collette, B.B. and Parin, N. V 1978. Five new species of halfbeaks (Hemiramphidae) from the Indo-West Pacific. *Proc. biol. Soc. Wash.*, 91 (3) : 731-747
514. Collette, B. B. and Russo, J. L. 1979. An introduction to the Spanish mackerels, genus *Scomberomorus*. In : *Proceedings of the Mackerel Colloquium* (Ed E. L. Nakamura) (Gulf states Marine fish Comm.) : 3-16.
515. Collinge, W E. 1914. On some new terrestrial isopods from the Andaman Islands and Southern India, *Rec. Indian Mus.*, 10 (3) : 207-210.
516. Compagno, L.J.V 1984 a. FAO species catalogue. Vol. 4. Sharks of the world. An annotated and illustrated catalogue of shark species known to-date. Part I. Hexanchiformes to Lamniformes. *FAO Fish Synop.*, (125), 4(1) : 1-249.
517. Compagno, L.J.V 1984 b. FAO species catalogue. Vol. 4. Sharks of the world. An annotated and illustrated catalogue of shark species known to-date. Part II. Carcharhiniformes. *FAO Fish. Synop.*, (125), 4(2) : 251-655.
518. Corbet, A.S. 1943. The biogeographic division of the Indo-Australian Archipelago. *Proc. Linn. Soc. Lond.*, 154: 143-148.
519. Corbet, G.B. and Hill, J. E. 1980. *A world list of mammalian species*. British Museum (Natural History),

London, 424 pp.

520. Cory, C.P. 1902. Some further notes on Narcondam hornbill (*Rhyticeros narcondami*). *J. Bombay nat. Hist. Soc.*, 14 : 372.
521. Costa, H.H. 1984. Results of the Austrian-Indian Hydrobiological Mission 1976 to the Andaman Islands. Part V Taxonomy and ecology of the Decapoda Caridea. *Annln. naturh. Mus. Wien*, 86 : 205-211.
522. Cotes, E.C. and Swinhoe, C. 1887-89. *A catalogue of the months of India*. Parts I-VI : 1-812.
523. Covell, G. and Baily, G. D. 1927 Observations on malaria in the Andamans with special reference to enlarged spleen in adults. *Indian J. med. Res.*, 15(2) : 309-326.
524. Crane, J. 1975. *Fiddler crabs of the world. Ocypodidae : genus Uca*. Princeton University Press, Princeton, New Jersey, 736 pp.
525. Cressey, R. 1981. Revision of Indo-West Pacific lizardfishes of the genus *Synodus* (Pisces : Synodontidae). *Smithson. Contr. Zool.*, 342 : 1-55.
526. Cressey, R. and Cressey, H.B. 1979. The parasitic copepods of Indo-West Pacific lizardfishes (Synodontidae). *Smithson. Contr. Zool.*, 296 : 1-71.
527. Cushing, D. H. 1971. *Survey of resources in Indian Ocean and Indonesian area*. F.A.O., Rome, 164 pp.
528. Cutler, E.B. 1977 a. The bathyal and abyssal Sipuncula. *Galathea Rep.*, 14 : 135-156.
529. Cutler, E.B. 1977 b. Shallow water sipunculans collected by the Galathea Expedition (Sipuncula). *Steenstrupia*, 4 (12) : 151-155.
530. Cutler, E.B. and Cutler, N.J. 1979. Madagascar and Indian Ocean Sipuncula. *Bull. Mus. natn. Hist. nat. Paris*.

4 (1) : 941-990.

- 531.** Cutting, C.S. 1932. Natives of the Andaman Islands. *Nat. Hist. N.Y.*, 32 (5) : 521-530.

D

- 532.** Dagar, J.C., Mongia, A.D. and Bandyopadhyay, A.K. 1991. *Mangroves of Andaman and Nicobar Islands*. Oxford & IBH Publishing Co., New Delhi, 166 pp.
- 533.** Dalal, S.G. and Parulekar, A.H. 1991. A review of zooplankton production in Indian Ocean. *J. mar. biol. Ass. India*, 33 : 166-169.
- 534.** Dancona, U. and Cavinato, G. 1965. The fishes of the family Bragmacerotidae. *Dana Rep.*, 64 : 1-91.
- 535.** Daniel, A. 1963. New species of the platylepadid barnacle (Cirripedia, Crustacea) from the green turtle (*Eretmochelys* sp.) from Little Andaman Island. *Ann. Mag. nat. Hist.*, 13 (5) : 641-645.
- 536.** Daniel, A. 1970. The history of marine zoological studies by the Zoological Survey of India. *Symp. Indian Ocean and adjacent seas*, Abstract No. 267
- 537.** Daniel, A. 1971. A new species of pedunculate barnacle of the genus *Lepas* (Cirripedia : Thoracica) from the eastern Indian Ocean. *J. mar. biol. Ass. India*, 13(1) 82-85.
- 538.** Daniel, A. 1974. Marine intertidal barnacles in the Indian Ocean. *Proc. Indian nat. Sci. Acad.*, 38 (3 & 4) : 179-189.
- 539.** Daniel, A 1975. The distribution of cirripede larvae in the Indian Ocean. *J. mar. biol. Ass. India*, 16 (2) : 182-210.
- 540.** Daniel, A. 1980. Enviornment and marine life. *Zoologiana*, 3 15-21.
- 541.** Daniel, A and Ghosh, A. 1964. On some polychaetes from

Little Andaman. *Curr. Sci.*, 33 (8) : 249.

542. Daniel, A. and Haldar, B.P. 1974 a. Holothuroidea of the Indian Ocean with remarks on their distribution. *J. mar. biol. Ass. India*, 16 : 412-436.
543. Daniel, A. and Halder, B.P. 1974 b. *Gorgonacea of the seas around India with remarks on their distribution and utilization in the preparation of drugs pertaining to the family planning programme*. Central Drug Research Institute, Lucknow, 65 pp.
544. Daniel, A. and Premkumar, V.K. 1967 The distribution of the standing crop of zooplankton in the eastern sector of the Indian Ocean during July-September, 1962. *J. mar. bio., Ass. India*, 7 (2) : 440-452.
545. Daniel, A. and Premkumar, V K. 1968. The coconut-crab, *Birgus latro* (Crustacea : Paguridae) in the Great Nicobar Island. *J. Bombay nat. Hist. Soc.*, 64 : 574-580.
546. Daniel, A. and Premkumar, V K. 1968. Crustaceans of economic value of Great Nicobar Island. 1. Decapoda : Macrura : Panuliridae. *J. Bombay Nat. Hist. Soc.*, 65 : 45-48.
547. Daniel, A., and Premkumar, V K. 1975. Distribution pattern of the economically important spiny lobsters of the genus *Panulirus* White 1847, in the Indian Ocean. *J. mar. biol. Ass. India*, 17 (2) : 36-40.
548. Daniel, A and Rajagopal, A. S. 1973. Boring organisms of the Great Nicobar Island (Mollusca : Teredinidae). *J. Bombay nat. Hist. Soc.*, 69 : 676-678.
549. Daniel, A. and Rajagopal, A. S. 1974. Molluscs of economic value from Great Nicobar Island. *J. Bombay nat. Hist. Soc.*, 70 (2) : 394-398.
550. Daniel, A. and Rama Rao, K.V 1967 Parasitic copepods, *Caligus polycanthi* Gnanamuthu infesting a balistid fish

from south-eastern India Ocean. *Curr. Sci.*, 36(21) : 582-583.

551. Daniel, A. and Sen, J.K. 1975. Studies on pycnogonids from the collections of the Zoological Survey of India, Calcutta, together with notes on their distribution in the Indian Ocean. *J. mar. biol. Ass. India*, 17 : 160-167
552. Daniel, J.C. 1983. *The book of Indian reptiles*. Bombay Natural History Society, Bombay, 141 pp.
553. Daniel, R. 1974. Siphonophora from the Indian Ocean. *Mem. zool. Surv. India*, 15 (4) : 1-242.
554. Daniel, R. 1985. *The fauna of India. Coelenterata : Hydrozoa : Siphonophora*. Zoological Survey of India, Calcutta, 440 pp.
555. Daniel, R. 1991. Siphonophora. In : *Animal resources of India : Protozoa to Mammalia : State of the Art*. Zoological Survey of India, Calcutta, 35-40.
556. Daniel R. and Daniel, A. 1968. Siphonophora collected during the 35th cruise of the R.V Vityaz in the eastern part of the Indian Ocean. *Proc. nat. Inst. Sci. India*, 38 : 571-574.
557. Darlington, P.J Jr. 1957 *Zoogeography : The geographical distribution of animals*. John Wiley & Sons, New York, 675 pp.
558. Das, A.K. 1977 On the genus *Foina* Janieki (Mastigophora : Protozoa) from Indian termites. *Proc. zool. Soc., Calcutta*, 30 : 61-66.
559. Das, A.K. 1979. Fauna of Andamans. *The Daily Telegrams*. 26th Jan, 1979. (Special Issue).
560. Das, A.K. 1980. Fauna of Andamans. *The Daily Telegrams*, Port Blair. 23 October 1980.
561. Das, A.K. 1981. Mangrove fauna of Andaman and Nicobar

- Islands. *Seminar on Island Biology. Proc. Seminar on Island Biology*, 12 November, 1981. Botanical Survey of India, Port Blair, 12 pp.
562. Das, A.K. 1983. A critique to the study of termite flagellates from India in relation to their hosts. *Proc. Symp. Host. Environ., Zool. Surv. India, Calcutta*, 1 : 39-53.
563. Das, A.K. 1985. Estuarine fauna of Andaman and Nicobar Islands. In : *State of Art Report on Estuarine Biology. Workshop on Estuarine Biology, Berhampur (Orissa), Z.S.I.*, 27 : 1-12.
564. Das, A.K. 1989. Sea shore animals of Andaman and Nicobar Islands. *Prakritipaath*, 7 : 62-66.
565. Das, A.K. and Dev Roy, M.K. 1980. On the wood-boring molluscs of South Andamans, India. *Rec. zool. Surv. India*, 77 (1-4) : 179-187
566. Das, A.K. and Dev Roy, M.K. 1981. On the teredinid borers of mangroves of Camorta Islands, Nicobars, India. *Bull. zool. Surv. India*, 4 (3) : 391-393.
567. Das, A.K. and Dev Roy, M.K. 1982. Note on a fruit-borer of mangroves of Andaman Islands, India. *Geobios News Reports*, 1 (2) : 131.
568. Das, A.K. and Dev Roy, M.K. 1984 a. A note on the marine borers of mangroves of Little Andaman, India. *Bull. zool. Surv. India*, 6 (1-3) : 95-98.
569. Das, A.K. and Dev Roy, M.K. 1984 b. Report on the marine wood borers from the mangroves of Neil, Havelock and Peel islands, Ritchies Archipelago, Andamans, India. *Bull. zool. Surv. India*, 6 (1-3) : 327-329.
570. Das, A.K. and Dev Roy, M.K. 1989. *A general account of the mangrove fauna of Andaman Nicobar Islands. Fauna of Conservation Areas 4. Zoological Survey of India*,

Calcutta, 173 pp.

571. Das, A.K., Dev Roy, M.K. and Mitra, B. 1987 Some moth borers of mangroves in the Andaman Islands. *J. Andaman Sci. Assoc.*, 3(2) : 140-142.
572. Das, A.K., Dev Roy, M.K. and Mitra, B. 1988. Insect borers of mangroves in the Bay Islands. *J. Andaman Sci. Assoc.*, 4(1) : 32-38.
573. Das, A.K., Mitra, S.C. and Mukhopdhyaya, S. 1979. Studies on some molluscan collections by the "Golden Crown" from the Bay of Bengal with the note on the camouflage habit of a gastropod, *Xenophora pallidula* (Reeva). *Proc. zool. Soc., Calcutta*, 32 : 79-87
574. Das, A.K. and Sharma, R.M. 1984. Necrophagous habit in the Giant African Snail *Achatina fulica* Bowdich. *J. Bombay nat. Hist. Soc.*, 81 : 219-220.
575. Das, A.K., Sharma, R.M. and Dev Roy, M.K. 1984. A new fly *Negritomyia andamanensis* (Diptera : Stratiomyidae) from the South Andaman. *Bull. zool. Surv. India*, 6 (1-3) : 99-100.
- 575a. Das H.H. and Rath, R. 1986. *The land of the coral beds : Andaman and Nicobar Islands*. Aruna Printing Works, Berhampur, Orissa, 126 pp.
576. Das, I. 1991. *Colour guide to the turtles and tortoises of the Indian Sub-continent*. R & A Publishing Ltd., Avon, England, 140 pp.
577. Das, M., Russel, S. and Rao, C.K. 1975. Filariasis in Andaman and Nicobar Islands. *J. Comm. Dis.*, 7 : 251-256.
578. Das, P.K. 1971. New records of birds from the Andaman and Nicobar islands. *J. Bombay nat. Hist. Soc.*, 68 (2) : 459-461.
579. Das, P.K. 1990. Occurrence of *Pipistrellus camortae* Miller

- 1902 (Chiroptera : Vespertilionidae) in Andaman Islands, with comments on its taxonomic status. *J. Bombay nat. Hist. Soc.*, 87 (1) : 135-137.
580. Das, P.K. and Ghosal, D.K. 1977 Notes on the Nicobar crab-eating macaque. *Newsl. zool. Surv. India*, 3(5) : 264-267
581. Das, S. 1981. Response of *Plasmodium falciparum* to chloroquine in Andaman-Nicobar Islands. *Indian J. Malar.*, 18(1) : 47-50.
582. Das, S.T 1982. *The Andaman & Nicobar Islands : A study of habitat, economy and society*. Sagar Publications, New Delhi, 107 pp.
583. Dasgupta, J.M. 1976. Records of birds from the Andaman and Nicobar Islands : *Charadrius alexandrinus* Linnaeus, Kentish Plover. *J. Bombay nat. Hist. Soc.*, 73(1) : 222-223.
584. Datta, B. 1988. On Oriental Cicadellidae (Homoptera : Insecta). *Rec. zool. Surv. India, Occ. Paper*. 90 : 1-256.
585. Datta, B., Ghosh, L.K. and Dhar, M. 1985. Studies on Indian Pentatomoidea (Heteroptera : Insecta). *Rec. zool. Surv. India, Occ. Paper*, 80 : 1-43.
586. Datta, M. 1983. A review of the Simuliidae (Diptera) from the Oriental Region. *Oriental Ins.*, 17 : 215-268.
587. Datta, M. and Parui, P. 1991. Diptera. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 373-396.
588. Dattagupta, A.K. and Menon, P.K.B. 1965. Addition of Indian echiurid fauna. *Ann. Mag. nat. Hist.*, 8 : 193-201.
589. Dattagupta, A.K. and Menon, P.K.B. 1971. Anatomical notes on four species of *Ochaetostoma* Leuckart & Ruppel (Echiura) together with a list of the species of the genus.

Rec. zool. Surv. India., 65 : 173-182.

590. Davis, T.A. 1991. The incredible coconut-crab. *Sanctuary*, 12(1) : 22-33.
591. Davis, T.A. and Altevogt, R. 1976. Giant turtles and robber crabs of the South Sentinel. *Yojana*, 20 (13) : 75-79.
592. Dawson, C.E. 1976. Review of the Indo-Pacific pipefish genus *Choeroichthys* (Pisces : Syngnathidae), with descriptions of two new species. *Proc. biol. Soc. Wash.*, 89 (3) : 39-66.
593. Dawson, C.E. 1977 a. Review of the Indo-Pacific pipefish genus *Bhanotia*, with description of *B. nuda* n. sp. *Proc. biol. Soc. Wash.*, 91(2) : 392-407
594. Dawson, C.E. 1977 b. The pipefish name *Syngnathus corrugatus* Weber, a junior synonym of *Bhanotia fasciolata* (Dumeril). *Copeia*, 786-788.
595. Dawson, C.E. 1978. Review of the Indo-Pacific pipefish genus *Hippichthys* (Syngnathidae). *Proc. biol. Soc. Wash.*, 91(1) : 132-157
596. Dawson, C. E. 1981. Review of the Indo-Pacific pipefish genus *Doryrhamphus* Kaup (Pisces Syngnathidae), with descriptions of new species and a new subspecies. *Ichthyol. Bull. J.L.B. Smith. Inst. Ichthyol.*, 44 : 1-27
597. Dawson, C.E. 1984. Revision of the genus *Microphis* Kaup (Pisces Syngnathidae). *Bull. mar. Sci. Gulh Caribb.*, 35 (2) : 117-181.
598. Dawson, C.E. 1985. *Indp-Pacific pipefishes (Red Sea to the Americas)*. Gulf Coast Research Laboratory, Ocean Springs, Mississippi, 250 pp.
599. Day, F 1869 a. Remarks on some fishes in the Calcutta Museum. Part I. *Proc. zool. Soc. Lond.*, 9 : 511-527.

600. Day, F 1869 b. On some fishes in the Calcutta Museum. Part II. *Proc. zool. Soc. Lond.*, 9 : 548-560.
601. Day, F 1869 c. On some of the fishes in the Calcutta Museum. Part III. *Proc. zool. Soc. Lond.*, 9 : 611-614.
602. Day, F 1870. On the fishes of the Andaman Islands. *Proc. zool. Soc. Lond.*, 10 : 677-705.
603. Day F 1875-78. *The fishes of India, being a natural history of the fishes known to inhabit the seas and freshwaters of India, Burma and Ceylon*. Parts 1-4, London, 778 pp.
604. Day, F 1885. Geographical distribution of Indian freshwater fishes. *J. Linn. Soc.*, 13 : 138-353.
605. Day, F 1888. *Fishes of India. Supplement. October 1880*. William Dawson, London, pp. 779-816.
606. Day, F 1889 a. *The Fauna of British India, including Ceylon and Burma. Fishes*, Vol. I. Taylor and Francis Ltd., London, 548 pp.
607. Day, F 1889 b. *The fauna of British India, including Ceylon and Burma. Fishes*, Vol. II. Taylor and Francis Ltd., London, 509 pp.
608. De, S.K. and Sanyal, A.K. 1984. Ixodid tick (Acarina : Metastigmata) fauna of Andaman and Nicobar Islands. *Bull. zool. Surv. India*, 6 (1) : 59-64.
609. Deb, M. 1985 a. A new genus and species of portunid crab (Crustacea) from North Andaman. *Bull. zool. Surv. India*, 7 (2-3) : 173-177
610. Deb, M. 1985 b. A new species of *Serenius* Guinot 1976 (Crustacea : Decapoda : Xanthidae) from Andamans. *Bull. zool. Surv. India*, 7(2-3) : 207-210.
611. Deb, M. 1985 c. A new species of the genus *Paractaea* Guinot 1969 (Crustacea : Decapoda : Xanthidae) from

Andamans. *Bull. zool. Surv. India*, 7 (2-3) 211-213.

612. Deb, M. 1987. Description of seven new species and one new record of Pilumninae (Xanthidae Decapoda : Crustacea) from India. *Bull. zool. Surv. India*, 8 : 299-312.
613. Deb, M. 1989a. Contribution to the study of Xanthidae : Actaeinae (Decapoda : Crustacea) of India. *Rec. zool. Surv. India, Occ. Paper*, 117 : 1-59.
614. Deb, M. 1989b. *Myopilumnus andamanicus* n. gen., n. sp., a xanthid crab from Andamans. *J. Andaman Sci. Assoc.*, 5 (2) : 113-116.
615. Dev, M. 1989c. Poisonous marine crabs of Indian coastal waters. *Zoologiana*, 5 : 79-81.
616. De Beaufort, L.F 1940. *The fishes of the Indo-Australian Archipelago*. Vol. 8. E. J. Brill, Leiden, 508 pp.
617. De Beaufort, L. F and Briggs. J. C. 1962. *The fishes of the Indo-Australian Archipelago*. Vol. 11. E. J. Brill, Leiden, 481 pp.
618. De Beaufort, L. F and Chapman, W M. 1951. *The fishes of Indo-Australian Archipelago*. Vol. 9. E. J. Brill, Leiden, 484 pp.
619. Debgoswami, A., Choudhury, A. and Jana, S. 1990. Calcification and organic carbon metabolism in a coral reef at Chidiyatapu in South Andaman. *J. Ecobiol.*, 2(1) : 17-22.
620. Dekker, R. W R. J. 1989. Predation and the western limits of megapode distribution (Megapodiidae : Aves). *J. Biogeogr.*, 16 : 317-321.
621. Delfinado, M. D. and Hardy, D. E. 1973. *A catalog of Diptera of the Oriental Region*. Vol. 1. Suborder Nematocera. The University Press of Hawaii, Honolulu,

618 pp.

622. Delfinado, M. D. and Hardy, D. E. 1975. *A catalog of Diptera of the Oriental Region Vol. II. Suborders Brachycera and Cyclorrhapha*. The University Press of Hawaii, Honolulu, 459 pp.
623. Delfinado, M. D. and Hardy, D. E. 1977 *A catalog of Diptera of the Oriental Region. Vol. III. Suborder Cyclorrhapha*. The University Press of Hawaii, Honolulu, 854 pp.
624. Dendy, A. and Burton, M. 1926. Report on some deep-sea sponges from the Indian Museum collected by R. I. M. S. *Investigator. Rec. Indian Mus.*, 28 : 225-248.
625. Deraniyagala, P. E. P. 1960. The water monitor of Andaman islands - a distinct subspecies. *Spolia Zeylan., Sri Lanka*, 29 : 203-224.
626. Deraniyagala, P. E. P. 1965. A sanctuary for turtles, dugongs, whales and dolphins in the Indian and Southern oceans. *Loris*, 10 (4) : 246-250.
627. Deraniyagala, P. E. P. 1977 The history of marine herpetology of the Indian and Pacific Oceans. *J. mar. biol. Ass. India*, 16(3) : 793-806.
628. De Rooij, N. 1915. *Reptiles of the Indo-Australian archipelagoes*. E. J. Brill, Leiden, 316 pp.
629. Desylva, D. 1974. Barracudas (Pisces : Sphyraenidae) of the Indian Ocean and adjacent seas - a preliminary review of their systematics and ecology. *J. mar. biol. Ass. India*, 15(1) : 74-94.
630. Devaraj, B. V 1983. Distributional study of the Nicobar crab-eating macaque. *IUCN NewsL.*, 3 : 27-28.
631. Devassay, V P and Bhattathiri P M. A. 1981. Distribution of phytoplankton and chlorophyll around

Little Andaman Island. *Indian J. mar. Sci.* 10(3) : 248-252.

632. Devi, C. B. L. 1977. Distribution of larvae of flatfishes (Heterosomata) in the Indian Ocean. *Proc. Symp. Warm Water Zooplankton, NIO, Goa*, 1 : 18-20.
633. Dev Roy, M. K. and Das, A. K. 1985. Marine wood-borers from the mangrove ecosystem of Great Nicobar Island, India. *Bull. zool. Surv. India*, 7 (2-3) : 251-254.
634. Dev Roy, M. K., Mitra, B. and Das, A. K. 1984. Studies on the insect borers of mangroves of Andaman and Nicobar islands. *Proc. Third Oriental Entom. Symposium, Trivandrum*, 136-137
635. Dev Roy, M. K., Mitra, B. and Das, A. K. 1987. On some insect borers of mangroves from Andaman Islands, India. *Bull. zool. Surv. India*, 8 : 203-207
636. Dhandapani, P. 1977 a. On doliolids collected from the Bay of Bengal. *Proc. Symp. Warm Water Zooplankton, NIO, Goa*, 1 : 13-17
637. Dhandapani, P. 1977 b. Distribution of two new species of larvacea with a list of other species collected from the Bay of Bengal. *Proc. Symp. Warm Water Zooplankton, NIO, Goa*, 1 : 60-64.
638. Dhandapani, P. 1991 a. Hemichordata. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 571-572.
639. Dhandapani, P. 1991 b. Protochordata. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 - 573-575.
640. Dhanze, J. R. 1981. *Bio-taxonomic studies of three species of Tachysurus with a classification of family Ariidae (Tachysuridae) (Siluriformes : Pisces)*. Ph. D. Thesis, Meerut University, Meerut, 316 pp.

641. Dharamraj, K. and Nair, B. N. 1983. Wood-boring organisms in relation to agriculture along the coasts of India. *Proc. Symp. Coastal Aquaculture*, 2 : 684-699.
642. Dilwali, A. and Kaul, R. 1989. *Andaman and Nicobar Islands in the sun*. Spantech Publishers, Pvt. Ltd., Surrey, England, 102 pp.
643. Dirsh, V. M. 1956. A preliminary revision of the genus *Catantops* Schaum and review of the group Catantopinae, Acrididae, Orthoptera. *Publ. Cult. Comp. Diam. Angola*, 28 : 1-51.
644. Distant, W. L. 1902-1918. *The fauna of British India including Ceylon and Burma. Rhynchota. Vols. I-VII. Heteroptera and Homoptera*. Taylor and Francis Ltd., London.
645. Ditmars, R. L. 1927. *Reptiles of the world*. The Macmillan & Co., New York, 420 pp.
646. Dobson, G. E. 1871. Description of four new species of Malayan bats from the collection of Dr. Stoliczka. *J. Asiat. Soc. Beng.*, 40(2) : 260-266.
647. Dobson, G. E. 1872. Brief description of five new species of rhinolophine bats. *J. Asiat. Soc. Beng.*, 41 : 336-338.
648. Dobson, G. E. 1873. On the Pteropidae of India with description of new or little known species. *J. Asiat. Soc. Beng.*, 42(2) : 194-205.
649. Dobson, G. E. 1876. *Monograph of the Asiatic Chiroptera and catalogue of the species of bats in the collection of Indian Museum, Calcutta*, London, 288 pp.
650. Dobson, G. E. 1878. *Catalogue of the Chiroptera in the collection of the British Museum*, London. 566 pp.
651. Doederlein, L. 1906. Die Echinoiden der Deutschen Tiefsee - Expedition. *Wiss. Ergebn. dt. Tiefsee-Exped.*

'Valdivia', 5 : 61-290.

652. Doederlein, L. 1917. Die Asteriden der Siboga Expedition. 1. Die Gattung *Astropecten* und ihre stammesgeschichte. *Siboga Exped.*, 46 a : 1-191.
653. Doederlein, L. 1930. Die Ophiuroiden der Deutschen Tiefsee - Expedition. 2. Euryalae. *Wiss. Ergeb. dt. Tiefsee - Exped 'Vaidivia'*, 22 : 347-396.
654. Dooley, J. K. 1978. Systematics and biology of the tilefishes (Perciformes : Branchiostegidae and Malacanthidae), with description of two new species. *Nat. Mar. Fish. Serv. Circ.*, 411 : 1-78.
655. Dorairaj, K. 1986. On farm rice-cum-fish and prawn culture. *Workshop-cum-Seminar on integrated farming systems, C. A. R. I., Port Blair*, 1 : 121-124.
656. Dorairaj, K. 1987 a. Rice-cum-fish culture. *State level training programme on rice production technology, C. A. R. I., Port Blair*, 1 : 38-40.
657. Dorairaj, K. 1987 b. Prawn culture as a component of farming systems. *Workshop cum seminar on integrated farming systems. C. A. R. I., Port Blair*, 1 : 105-112.
658. Dorairaj, K. and Soundrarajan, R. 1985. Exploited marine fishery resources of Andaman and Nicobar Islands. *J. Andaman Sci. Assoc.*, 1(1) : 49-58.
659. Dorairaj, K. and Soundararajan, R. 1987a. Coastal environment and fishery resources of the Bay Islands. *Proc. Symp. on Management of Coastal ecosystems and Oceanic resources of the Andamans. Andaman Sci. Assoc., Port Blair*, 1 : 40-49.
660. Dorairaj, K. and Soundararajan, R. 1987b. Preliminary studies on brackishwater fish and prawn farming in the Andamans. *Proc. Symp. on Management of Coastal ecosystems and Oceanic resources of the Andamans*,

Andaman Sci. Assoc. 1 : 80-87

661. Dorairaj, K. and Soundararajan, R. 1987c. Management and conservation of marine fishery resources of Andaman and Nicobar Islands. *National Symp. on R & D in marine fisheries. Abstract CMFRI, Spl. Publ.*, 40 : 96-97
662. Dorairaj, K. Soundararajan, R. and Ravindran, E. K. 1987 The present status of the molluscan fishery resources of the Andaman Islands. *National Seminar on Shellfish resources and Farming, CMFRI, Cochin*, 14 pp.
663. Dorairaj, K. Soundararajan, R. and Singh, N. T. 1987 *Corals of Andaman and Nicobar Islands : A status report*. Central Agricultural Research Institute. Port Blair, 29 pp.
664. Dore, I. and Frimodt, C. 1987 *An illustrated guide to shrimps of the world*. Osprey Books and Scandinavian Fishing year Book, 426 pp.
665. Dover, C. 1922. The free-living Thysanura of Barkuda island. *Rec. Indian Mus.*, 24(3) : 299-301.
666. Druzhinin, A. D. 1970. The range and biology of snappers (Fam. Lutjanidae). *J. Ichthyol.*, 10 : 717-736.
667. Druzhinin, A. D. 1971. The distribution of Lutjanidae and Sciaenidae (Pisces) in the Indian Ocean. *Indian J. Fish.*, 18 : 52-66.
668. Druzhinin, A. D. 1977a. Some data on the spotted drepane (*Drepane punctata*) of the Andaman and Arabian Seas. *J. Ichthyol.*, 17(6) : 945-950.
669. Druzhinin, A. D. 1977b. Some data on *Drepane punctata* (L.) from the Andaman and Arabian Seas. *Vop. Ikhtiolog.*, 17(6) : 1118-1123.
670. Duncker, G. 1915. Revision der Syngnathidae. *Mitt. naturh. Mus. Hamb.*, 32 : 9-120.

671. Duncker, G. 1925. Description of a new species of *Hippocampus* from the Andamans. *Rec. Indian Mus.*, 27(6) : 475-476.
672. Durve, V. S. 1975. Commercial marine molluscs of India and the need for their survey. *Rec. zool. Surv. India*, 68 : 421-429.
673. Dutta, P. C., 1963. Pigmy tools from Andaman Islands. *Nature*, 197 : 624.
674. Dutta, P. C. 1966. Kitchen - middens of the Andaman archipelago. In : *Studies in prehistory* (Eds. D. Sen and A. K. Ghosh), 170-190.
675. Dutta, T. R., Ahmed, R. and Abbas, S. R. 1983a. The discovery of a plant in the Andaman Islands that tranquilizes *Apis dorsata*. *Bee Wld.*, 64(4) : 158-163.
676. Dutta, T. R., Ahmed, R. and Abbas, S. R. 1983b. Taming the wild rock-bees in Andamans. *Indian Fmg.*, 33(6) : 31-33.
677. Dutta, T. R., Ahmed, R., Abbas, S. R. and Vasudev Rao, M. K. 1985. Plants used by Andaman aborigines in gathering rock-bee honey. *Econ. Bot.*, 39(27) : 130-138.
678. Dwivedi, S. N. 1973. Some aspects of the marine living resources of the Indian Ocean continental shelf. *Special Publ. Dr. N. K. Panikkar. Mar. Biol. Ass. India*, 1 : 227-240.

E

679. Easterson, D. C. V. and Mahadevan, S. 1980. Review of open sea environmental conditions along Indian coast. *Bull. cent. mar. Fish. Res. Inst.*, 29 : 17-26.
680. Easton, E. G. 1976. Taxonomy and distribution of the *Metapheretima elongata* species - complex of Indo-Australian earthworms (Megascolecidae : Oligochaeta).

Bull. Br. Mus. nat. Hist. (Zool.), 30(2) : 31-53.

681. Ege, V 1939. A revision of the genus *Anguilla* Shaw, a systematic, phylogenetic and geographical study. *Dana Rep.*, 3(6) : 1-256.
682. Eibl-Eibesfeldt, I. 1960. Beobachtungen und versuche and Anemonenfischen (*Amphiprion*) der Malediven und der Nicobaren. *Z. Tierpsychol.*, 17(1) : 1-10.
683. Eibl-Eibesfeldt, I. 1966. *Land of a thousand atolls : A study of marine life in Maldive and Nicobar Islands*. Macgibbon and Kee, London, 216 pp.
684. Eibl-Eibesfeldt, I. and Klausewitz, W 1961. *Gnathypopsrosenbergiannulata* n. sp. Von den Nikobaren (Pisces, Percomorphi, Opisthognathidae). *Senck. biol.*, 42 (5&6) : 421-426.
685. Ekman, S. 1953. *Zoogeography of the sea*. Sidgwick and Jackson Ltd., London, 417 pp.
686. Ellerman, J. R. 1961. *The fauna of India including Pakistan, Burma and Ceylon. Mammalia : Rodentia, Parts 1 & 2*. Manager of Publications, Govt. of India, Delhi, 884 pp.
687. Ellerman, J. R. and Morrison-Scott, T. C. S. 1951. *Checklist of Palaearctic and Indian mammals, 1758-1946*. London, 810 pp.
688. Elliot, D. G. 1913. A review of the Primates. Vols. I-II. American Museum of Natural History, New York.
689. Elliott, H. F 1972. Island ecosystems and conservation with particular reference to the biological significance of islands of the Indian Ocean and consequential research and conservation needs. *J. mar. biol. Ass. India*, 14(2) : 578-608.
690. Emden, F I. 1965. *The fauna of India and the adjacent*

countries. Diptera Vol. VII. *Muscidae*. Manager of Publications, Govt. of India, Delhi, 647 pp.

691. Enrodi, S. 1985. *The Dynastinae of the world*. Junk Publishers, Netherlands, 800 pp.
692. Erwin, T L. 1982. Tropical forests : their richness in Coleoptera and other arthropod species. *The Coleopt-Bull.*, 36(1) : 74-75.
693. Eschmeyer, W N. and Collette, B. B. 1966. The scorpion fish subfamily Setarchinae, including the genus *Ectreposebates*. *Bull. mar. Sci. Gulf Caribb.*, 16(2) : 349-375.
694. Eschmeyer, W N. and Dor, M. 1978. *Cocotropus steinitzi*, a new species of the fish family Aploatidae (Pisces, Scorpaeniformes) from the Red Sea and Andaman Islands. *Israel J. Zool.*, 27 : 165-168.
695. Eschmeyer, W N., Hallacher, L. E. and Rama Rao., K.V 1979. The scorpion fish genus *Minos* (Scorpaenidae, Minidae) including a new species from the Indian Ocean. *Proc. Calif. Acad. Sci.*, 41(20) : 453-473.
696. Eschmeyer, W N. and Rama Rao, K. V. 1972. Two new scorpion fishes (genus *Scorpaenodes*) from the Indo-west Pacific, with comments on *Scorpaenodes muciparus* (Alcock). *Proc. Calif Acad. Sci.*, 39(1) : 55-64.
697. Eschmeyer, W N. and Rama Rao, K. V. 1973. Two new stonefishes (Pisces, Scorpaenidae) from the Indo-west Pacific, with a synopsis of the subfamily Synanceinae. *Proc. Calif Acad. Sci.*, 39(18) : 337-382.
698. Eschmeyer, W N and Rama Rao, K. V 1979. A new scorpion fish *Ebosia falcata* (Scorpaenidae : Pteronaie) from the Western Indian Ocean with comments on the genus. *Matsya*, (3) : 64-71.
699. Eschmeyer, W N. and Rama Rao, K. V 1990. The Indo-

Pacific scorpion fish genera *Parascorpaena*, *Sebastapistes* and *Scorpaenopsis*. *Proc. Calif. Acad. Sci.*, 48(12): 248-286.

700. Eschmeyer, W N., Rama Rao, K. V and Hallacher, L. E. 1979. Fishes of the scorpionfish subfamily Choridactylinae from the Western Pacific and the Indian Ocean. *Proc. Calif. Acad. Sci.*, 41(21) : 475-500.

701. Evans, W.H. 1932. *The identification of Indian butterflies*. Bombay Natural History Society, Bombay, 454 pp.

F

702. Fabricius, J.C. 1861. *Entomologica Systematica*. Proft. Hafniae, 519 pp.

703. Fauvel, P. 1932. Annelida Polychaeta of the Indian Museum, Calcutta. *Mem. Indian Mus.*, 12 : 1-262.

704. Fauvel, 1940. On a small collection of Annelida Polychaeta of the Indian Museum. *Rec. Indian Mus.*, 42(2) : 253-268.

705. Fauvel, P. 1953. *The Fauna of India and adjacent countries. Annelida Polychaeta*. Indian Press Ltd., Allahabad, 507 pp.

706. Fenaux, R. 1973. Appendicularians from the Indian Ocean, Red Sea and Persian Gulf. In : *The biology of the Indian Ocean*, (Eds. B. Zeitzschel and Gerlach, S. A.) Springer Verlag, Berlin, 409-414.

707. Ferrar, M. L. 1932. Bird migration notes from Port Blair. *J. Bombay nat. Hist. Soc.*, 35 : 448-450.

708. Ferrar, M. L. 1951. The butterflies of the Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 47 (3 & 4) : 470-491.

709. Fiers, F 1986. *Feregastes wellensi* n. gen., n. sp., of the family Tegastidae (Copepoda, Harpacticoida) from the Andaman Islands. *Crustaceana*, 51 : 277-285.

710. Filippova, J.A. 1968. New data on the Cephalopoda of the Indian Ocean. *Proc. Symp. Mollusca, Mar. Biol. Assoc. India*, 1 : 257-264.
711. Findlay, A.G. 1882. *A directory for the navigation of the Indian Ocean, with descriptions of its coasts, islands, etc.* R.H. Laurie, London, 1304 pp.
712. Finn, F 1929. *Sterndale's Mammalia of India*. Revised edition with an appendix on Reptilia. Thacker-Soink & Co., Calcutta.
713. Fischer, W and Bianchi, G. (Eds). 1984. *FAO species identification sheets for fishery purposes. Western Indian Ocean (Fishing Area 51)*. Vols.1-6. F.A.O., Rome.
714. Fischer, W and Whitehead. P.J.P. (Eds.). 1974. *FAO species identification sheets for fishery purposes. Eastern Indian Ocean (fishing area 57) and Western Central Pacific (fishing area 71)*. Vols. 1-4. F.A.O., Rome.
715. Fleminger, A., Ottman, B.H.R. and Greenwood, J.G. 1982. An Indo-West Pacific lineage of planktonic copepods with description of two new species. *Plankton Res.*, 4(2) : 245-270.
716. Flower, W.H. and Lydekker, R. 1891. *An introduction to the study of mammals, living and extinct*. Adam and Charles Black, London, 364 pp.
717. Folin, D. 1883. Mollusques des iles Andamans. *Premier Serie. Bordeaux*. 8 : 1-19.
718. Forel, A. 1971. Report on primates collected in western Thailand. *Fieldiana, Zool.*, 59 : 1-62.
719. Forel, A. 1903. On a collection of Formicidae from Andaman and Nicobar Islands. *Revue. Suisse. Zool.*, 11 : 399-411.
720. Forey, P.L. 1973. A revision of the elopiform fishes, fossil

and recent. *Bull. Br. Mus. nat. Hist. (Geol.)*, Suppl., 10 : 1-222.

721. Flower, W W 1912. *The fauna of British India, including Ceylon and Burma. Coleoptera : Cicindelidae, Rhysodidae, Paussidae*. Taylor and Francis Ltd., London, 529 pp.
722. Fraser, F.C. 1924. Report on a collection of dragonflies (Odonata) from Andaman Islands. *Rec. Indian Mus.*, 26(5) : 409-414.
723. Fraser, F.C. 1933. *The fauna of British India, including Ceylon and Burma. Insecta : Odonata. Vol. I*. Taylor and Francis Ltd., London, 418 pp.
724. Fraser, F.C. 1934. *The fauna of British India, including Ceylon and Burma. Insecta : Odonata. Vol. II*. Taylor and Francis Ltd., London, 398 pp.
725. Fraser, F.C. 1936. *The fauna of British India, including Ceylon and Burma. Insecta : Odonata. Vol. III*. Taylor and Francis Ltd., London, 461 pp.
726. Fraser, T.H. 1972. Comparative osteology of shallow water cardinal fishes (Perciformes : Apogonidae) with reference to systematics and evolution of the family. *Ichthyol. Bull. Rhodes Univ.*, 34 : 1-105.
727. Fraser-Brunner, A. 1954. A synopsis of the centropomid fishes of the sub-family Chandinae, with descriptions of new genus and two new species. *Bull. Raffles Mus.*, 25 : 185-213.
728. Frazier, J.G. 1971. Exploitation of marine turtles in the Indian Ocean. *Hum. Ecology*, 8(4).: 329-370.
729. Frerichs, W.E. 1967. Distribution and ecology of Foraminifera in the sediments of the Andaman Sea. *Diss. Abstr.*, 28 B : 940-941.
730. Fricke, R. 1983. *Revision of the Indo-Pacific genera and*

species of the dragonet family Callionymidae (Teleostei).
Theses Zool., Vol. 3, Braunschweig, J. Cramer, 774 pp.

731. Fritzsche, R.A. 1976. A review of the cornetfishes, genus *Fistularia* (Firstularidae), with a discussion of intrageneric relationships and zoogeography. *Bull. mar. Sci. Gulf Caribb.*, 26 : 196-204.
 732. Frost, D.R. 1985. *Amphibian species of the world.* Lawrence, Kansas, USA, 732 pp.
- G
733. Gadsen, F.O. 1898. Fishing in Indian waters – 4. Andaman Islands. *J. Bombay nat. Hist. Soc.*, 12 : 726.
 734. Gahan, C.J. 1906. *The fauna of British India, including Ceylon and Burma. Coleoptera : Cerambycidae.* Taylor and Francis Ltd., London, 329 pp.
 735. Ganapati, P.N and Rao, M.V.L., 1960. On some crustacean wood-borers from Andamans. *Curr. Sci.*, 29 (7) : 275-276.
 736. Ganapati, P.N and Sarma, A.L.N 1974. Bivalve gastropods of the Indian seas. *Proc. Indian Nat. Sti. Acad.*, 38 : 240-250.
 737. Ganguly, P. and Pal, A. 1963. Onge harpoon and spear. *Anthropos*, 58 : 557-560.
 738. Gardiner, J.S. 1929. Corals of the genus *Flabellum* from the Indian Ocean. *Rec. Indian Mus.*, 31 (4) : 301-310.
 739. Gardiner, J.S. 1931. *Coral reefs and atolls.* Macmillan & Co. Ltd., London, 181 pp.
 - 739a. Grag, J.N., Murty, C.B. and Jayaraman, R. 1968. Vertical distribution of oxygen in the Bay of Bengal and Andaman Sea during February-March 1963. *Bull. natn. Inst. Sci. India*, 38 (1) : 40-48.

740. Garman, S. 1913. The Plagiostomia (sharks, skates and rays). *Mem. Mus. comp. zool. Harv.*, 36 : 1-515.
741. Garrick, F.A.F 1982. Sharks of the genus *Carcharhinus*. NOAA. *Tech. Rept. NMFS Circ.*, 445 : 1-194.
742. Gates, G.E. 1932. The earthworms of Burma. III. *Rec. Indian Mus.*, 34 : 357-549.
743. Gates, G.E. 1933. The earthworms of Burma. IV *Rec. Indian Mus.*, 35 : 413-606.
- 743a. Gates, G.E. 1934. Notes on some earthworms from the Indian Museum. *Rec. Indian Mus.*, 36 (3) : 233-277
744. Gates, G.E. 1936. The earthworms of Burma. V *Rec. Indian Mus.*, 38 : 377-468.
745. Gates, G.E. 1938. Indian earthworms. IV The genus *Lampito* Kinberg. *Rec. Indian Mus.*, 40 (4) : 403-429.
746. Gates, G.E. 1954. The earthworms of Burma. VI. *Rec. Indian Mus.*, 52 : 55-93.
747. Gates, G.E. 1958. On some Burmese earthworms of the Megascolecid subfamily Octochaetinae. *Ann. Mag. nat. Hist.*, 1 : 609-624.
748. Gates, G.E. 1960. On some Burmese earthworms of the family Megascolecidae. *Bull. Mus. comp. zool. Harv.*, 123 : 203-282.
749. Gates, G.E. 1962. On some Burmese earthworms of the moniligastrid genus *Drawida*. *Bull. Mus. comp. Zool. Harv.*, 127 : 297-373.
750. Gates, G.E. 1972. An introduction to the systematics and biology of megadrile oligochaetes with special reference to Southeast Asia. *Trans. Am. Phil. Soc.*, 62 (7) : 1-326.
751. George, A., Singh, V.P. and Pathak, S. 1987 Mangal hydrology of Ritchies' Archipelago in Andaman Islands.

- In : *Perspectives in hydrology* (Eds. K. S. Rao and S. Shrivasthava). Vikram University, Ujjain, 1 : 221-224.
752. George, M., Suseelan, C. and Balan, K. 1981. By-catch of the shrimp fishery in India. *Mar. Fish. In. Ser. CMFRI*, 28 : 1-13.
753. George, M.J., Suseelan, C., Thomas, M.M., Kakabi, V.S. and Nalini, C. 1982. Synopsis of marine prawn fishery of India. *Mar. Fish. In. Ser. CMFRI*, 35 : 1-4; 43 : 8-23.
754. George, P.C. and Rao, P V 1967 a. An annotated bibliography of the biology and fishery of the commercially important prawns of India. *Proc. Symp. Crustacea, Mar. Biol. Ass. India*, 2 : 1521-1547
755. George, P.C and Rao, P V 1967 b. An annotated bibliography of the biology and fishery of the edible crabs of India. *Proc. Symp. Crustacea, Mar. Biol. Ass. India*, 2 : 1548-1555.
756. Ghosh, H.C. 1971. Stomatopods of the Indian Ocean with remarks on their geographical distribution. *Symp. Indian Ocean and adjacent seas, Cochin*. Abstract No. 169.
757. Ghosh, H.C. 1975. A new species of *Manningia* (Stomatopoda : Gonodactylidae) from the Andaman Islands. *Crustaceana*, 28 (1) : 33-36.
758. Ghosh, H.C. 1976. Two new records of stomatopods with description of a female of *Harpiosquilla indica* Manning, 1969 (Stomatopoda : Squillidae). *Rec. zool. Surv. India*, 71 : 51-55.
759. Ghosh, H.C. and Manning, R.B. 1988. Types of stomatopod crustaceans in the Zoological Survey of India. *Proc. biol. Soc. Wash.*, 101 (3) : 653-661.
760. Ghosh, L.K. 1976. Report on a collection of aphids (Insecta : Homoptera : Aphididae) from the Andaman and Nicobar Islands. *Newsl. zool. Surv. India*, 2 (6) : 239-242.

761. Ghosh, M. 1977 Fish poaching of Nicobar Islands. *The Statesman*, 19th Nov., 6p.
762. Ghosh, M. 1982. Green lizard of Andaman Islands. *Prakriti Gyan*, 4(5) : 2-7 (In Bengali).
763. Ghosh, M. 1988. The craniology and dentition in the Pigmyhog, with a note on the generic status of *Poscula* Hodgson, 1847 *Rec. zool. Surv. India*, 85(2) : 245-262.
764. Ghosh, R.K. 1983. On *Bertiella studeri* (Blanchard, 1891) Stiles and Hassel 1902 (Cestoda, Anoplocephalidae) from crab eating macaque of Great Nicobar Island. *J. zool. Soc. India*, 34 : 32-36.
765. Ghosh, R.K. and Chauhan, B. S. 1975. Fifty years of faunistic Survey of India : Helminthological studies and Zoological Survey of India. *Rec. zool. Surv. India*, 68 : 367-381.
766. Ghosh, S.K. 1980. On a small collection of Neuroptera from Andaman and Nicobar islands. *Rec. zool. Surv. India*, 77 (1-4) : 247-254.
767. Ghosh, S.K. 1991. Neuroptera. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 345-348.
768. Ghosh, S.K., Mandal, D.K., Bhattacharya, D.P. and Gupta, I.J. 1991. Lepidoptera. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 419-427
769. Ghosh, S.K. and Sen, S. 1977 Check-list of Indian Planipennia (Order Neuroptera). *Rec. zool. Surv. India*, 73 : 277-326.
- Gibbs, R.H. and Collette, B.B. 1967 Comparative anatomy and systematics of the tuna genus *Thunnus*. *U.S. Fish Wildl. Surv. Fish. Bull.*, 66(1) : 65-130.

771. Gill, H.S. and Kataria, A.S. 1991. Integrated disease and pest management of vegetable crops in Bay Islands. *J. Andaman Sci. Assoc.*, 7(1) : 88-89.
772. Godwin-Austen, H.H. 1988. Descriptions of new land shells from the Andaman and Nicobar group of islands in the Bay of Bengal. *Ann. Mag. nat. Hist.*, 2 : 55-59.
773. Godwin-Austen, H.H. 1893. On some new species of the land molluscan genus *Alycaeus* from the Khasi and Naga hill country, Assam, Manipur, upper Burma and one species from the Nicobars. *Proc. zool. Soc. Lond.*, 1895 : 438-457
774. Godwin-Austen, H.H. and Nevill, G.E. 1879. Description of shells from Perak and Nicobar Islands. *Proc. zool. Soc. Lond.*, 734-740.
775. Goman, J.R. and Taylor, W.R. 1982. *Plotosus nkunga*, a new species of catfish from South Africa, with a redescription of *Plotosus limbatus* Valenciennes and key to the species of *Plotosus* (Siluriformes : Plotosidae). *J.L.B. Smith Inst. Ichthyol. Sp. Publ.*, 22 : 1-15.
776. Gopakumar, G., Pillai, C.S.G and James, D.B. 1990. The occurrence of live bait fish in South Andaman waters and its significance. *Mar. Fish. Inf. Ser. CMFRI*, 105 : 5-7
777. Gopalakrishnan, K. and Barinton, E. 1969. Preliminary observations on the distribution of Euphausiacea from the International Indian Ocean Expedition. *Bull. natn. Inst. Sci. India*, 38 : 594-611.
778. Goswami, S.C. and Rao, T.S.S. 1981. Copepod swarm in the Campbell Bay (Andaman Sea). *Indian J. mar. Sci.*, 10 : 274-275.
779. Goswami, S.C., Rao, T.S.S. and Matondkar, S.G.P 1981. Biochemical composition of zooplankton from the Andaman Sea. *Indian J. mar. Sci.*, 10 : 296-305.

780. Gouveia, A.D., Rama Raju, D.V and Murty, C.S., 1981. Wave characteristics in the sea around the Andaman & Nicobar Islands. *Indian J. mar. Sci.*, 10(3) : 219-220.
781. Graffin, D.J.G. 1974. Spider crabs (Crustacea, Brachyura, Majidae) from the International Indian Ocean Expedition 1963-64. *Smithson. Contr.Zool.*, 182 : 1-39.
782. Gravely, F.H., 1910. The distribution of the Oriental Scolopendridae. *Rec. Indian Mus.*, 5(3) : 161-172.
783. Gravely, F.H. 1931. Some Indian spiders of the families Ctenidae, Sparassidae, Selenopidae and Clubionidae. *Rec. Indian Mus.*, 33 (3) : 211-281.
784. Gray, J.E. 1880-85. *Illustrations of Indian Zoology, chiefly selected from the collection of Major-General Hardwicke*. 20 parts, London.
785. Greenfield. D.W 1974. A revision of the squirrelfish genus *Myripristis* Cuvier (Pisces : Holocentridae). *Sci. Bull. nat. Hist. Mus. Los Angeles Country*, (19) : 1-54.
786. Groombridge, B. 1985. India's sea turtles in world perspective. *Proc. Symp. Endangered Marine Animals and Marine Parks*, 1 : 205-213.
787. Gruson, E.S. 1976. *Check-list of the birds of the world*. Collins St. James Place, London, 212 p.
788. Gude, G.K. 1914. *The fauna of British India including Ceylon and Burma. Mollusca II. (Trochomorphidae – Janellidae)*. Taylor and Francis Ltd., London, 520 pp.
789. Gude, G.K. 1921. *The fauna of British India, including Ceylon and Burma. Mollusca III (Cyclophoridae, Truncatellidae, Assimnidae, Helicinidae)*. Taylor and Francis Ltd., London, 386 pp.
790. Gudger, E.W 1947 Pomacentrid fishes symbiotic with giant sea anemones in Indo-Pacific waters. *J. R. Asiat.*

Beng., 12 (2) : 53-76.

791. Guha, D.K. 1975. New distributional records of *Brachymeria* Westwood (Hymenoptera : Chalcididae). *Newsl. zool. Surv. India*, 1 (4) : 63.
792. Guha, D.K. and Mohan, M. 1965 a. On the Ostracoda from the neogene of Andaman islands. *J. geol. Soc. India*, 34 : 58-66.
793. Guha, D.K. and Mohan, M. 1965 b. Note on upper cretaceous microfauna from the Middle Andaman Island. *Bull. geol. min. metall. soc. India*, 33 : 73-79.
794. Guinot, D. 1984. Bathyal crabs off the Reunion Island (Crustacea, Decapoda, Brachyura). *Comm. nat. Fran. Res. Antar., Paris*, 55 : 7-31.
795. Gupta, B. 1976. *The Andamans*. Jijnasa Publications, Calcutta, 312 pp.
796. Gupta, G.P. 1982. Losses to stored grains by insects in Andamans. *Bull. Grain Technol.*, 21 (1) : 79-81.
797. Gupta, G.P., Abbas, S.R. and Gautam, S.S.S. 1974. Mechanical destruction of Giant African Snail. *Entomologist's Newsl.*, 4(1) : 5-6.
798. Gupta, G.P., Gautam, S.S.S. and Abbas, S.R. 1978. Integrated control of Giant African Snail in Andaman jail and consequent reduction in the snail population. *Indian J. Ent.*, 40 (1) : 92-93.
799. Gupta, I.D., Pal, R.N. and Ahlawat, S.P.S. 1987 Studies on pathology and development cycle of stephanofilarial worms causing humpsore. *J. Andaman Sci. Assoc.*, 3 (1) : 1-7
800. Gupta, I.J. 1991. Siphonaptera. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 367-371.

801. Gupta, J.P. and Roy Chowdhury, S.P. 1970. The genus *Drosophila* (Diptera : Drosophilidae) in A & N Islands, India. *Oriental Ins.*, 4 (2) : 169-175.
802. Gupta, M.V.S. 1981. Nannoplankton from recent sediments off the Andaman Islands. *Indian J. mar. Sci.*, 10 : 293-295.
803. Gupta, N.K. and Khanna, M. 1974. On some of the monogenetic trematodes of marine fishes from Port Blair (Andaman and Nicobar Islands, India). Part I. *Revta. iber. Parasit.*, 34 (3 & 4) : 257-262.
804. Gupta, N.K. and Miglani, A. 1974. Digenetic trematodes of marine fishes of Port Blair. *Proc. Indian Sci. Congr.*, 61 (4) : 107 (Abstract).
805. Gupta, P.D. and Ghosh, R.K. 1979. Catalogue of type specimens present in the Zoological Survey of India. Part. 3. Helminths. *Rec. zool. Surv. India*. 74 (3) : 243-331.
806. Gupta, P.D. and Gupta, S.K. 1989. Contributions of the Zoological Survey of India (1916-1976). *Rec. zool. Surv. India, Occ. Paper*, 74 : 1-434.
807. Gupta, S. and Gupta, V.K. 1983. Ischneumonologia orientalis. *Oriental Ins., Monogr.*, 10 : 1-313.
808. Gupta, S.K. 1976. Contribution to our knowledge of tetranychid mites (Acarina) with descriptions of three new species from India. *Oriental Ins.*, 10 (3) : 327-351.
809. Gupta, S.K. 1977. Phytoseiidae (Acarina : Mesostigmata) of A & N islands with description of eight new species. *Oriental Ins.*, 11 (4) : 623-638.
810. Gupta, S.K. 1978. Mites infesting field crops in India. *Zoologiana*, 2 : 54-62.
811. Gupta, S.K. 1980. New species of *Iphiseus* Berlese and

Paraamblyseius Muma from India. *Entomologist's mon. Mag.*, 115 : 213-218.

812. Gupta, S.K. 1985. *Handbook on plant mites of India*. Zoological Survey of India, Calcutta, 520 pp.
813. Gupta, S.K. 1986. *Fauna of India. Acari : Mesostigmata (Family : Phytoseiidae)*. Zoological Survey of India, Calcutta, 350 pp.
814. Gupta, S.K. 1987 A taxonomic review of Oriental Phytoseiidae with key to genera and species. *Rec. zool. Surv. India, Occ. Paper*, 95 : 1-160.
815. Gupta, S.K. 1991. Acari : Prostigmata, Astigmata and Mesostigmata. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 483-499.
816. Gupta, S.K. and Ghosh, S.K. 1980. Some prostigmatid mites (Acarina) from Andaman and Nicobar Islands. *Rec. zool. Surv. India*, 77 (1-4) : 189-213.
817. Gupta, T. 1972. Fishery resources of the Andaman Sea. *The Daily Telegrams*. 18 : 3.
818. Gupta, V.K. 1987 Catalogue of the Indo-Australian Ichneumonidae. Parts I-II. *Mem. Am. ent. Inst.*, 41 : 1-1210.
819. Gupta, Y.N. 1980. Some spider mites (Acarina : Tetranychidae) from Andaman and Nicobar islands with descriptions of three new species. *Rec. zool. Surv. India*, 77 (1-4) : 111-117

H

820. Haedrich, R. 1967 a. A new species of *Psenopsis* (Stromateoidei, Centrolophidae) from Indo-Malayan Seas. *Jap. J. Ichthyol.*, 14 (4-6) : 187-196.
821. Haedrich, R. 1967 b. The stromateoid fishes : systematics

- and classification. *Bull. Mus. comp. zool. Harv.*, 135 (2) : 31-219.
822. Hafeezullah, M. and Dutta, I.B. 1980. Digenetic trematodes of marine fishes of Andamans. *Rec. zool. Surv. India*, 77 (1-4) : 75-82.
823. Haldar, B.P. 1975. Sipuncula of the Indian Ocean in the collections of the Zoological Survey of India. *Proc. Internat. Symp. Biol. Sipuncula and Echiura, Kotor*, 1 : 51-92.
824. Haldar, B.P. 1976. Sipuncula from the Andaman and Nicobar Islands. *Rec. zool. Surv. India*, 70 : 1-9.
825. Haldar, B.P. 1977 *Sipunculus inclusus* (Sipunculidae : Sipuncula) – a new record from the Indian Ocean. *Newsl. zool. Surv. India*, 3 (3) : 120-123.
826. Haldar, B. P 1978. *Aspidosiphon* (*Paraspidosiphon*) *havelockensis*, a new sipuncula from the Andamans, India. *Bull. zool. Surv. India*. 1(1) : 37-42.
827. Haldar, B. P. 1991a. Sipuncula of the Indian coast. *Mem. zool. Surv. India*, 17(4) : 1-127
828. Haldar, B. P. 1991b. Sipuncula. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 119-124.
829. Haldar, B. P. 1991c. Echiura. In : *Animal Resources of India. Protozoa to Mammalia*. Zoological Survey of India, Calcutta. 149-153.
830. Haldar, B. P and Chakrapany, S. 1976. *Culcita pentangularis* Gray (Asteroidea : Oreasteridae) - a new record from India waters. *J. Bombay nat. Hist. Soc.*, 73(1) : 237-238.
831. Haltstead, B. W 1970. *Poisonous and venomous marine animals of the world*. Darwin Press, London, 283 pp.
832. Hammer, K. 1960. Mutilliden (Insecta : Hymenoptera)

aus dem Indischen Museum in Calcutta. *Rec. Indian Mus.*, **58**(1) : 1-52.

833. Hampson, G. F 1892. *The fauna of India including Ceylon and Burma. Moths. Vol. I.* Taylor and Francis Ltd., London, 527 pp.
834. Hampson, G. F 1894. *The fauna of British India, including Ceylon and Burma. Moths. Vol. II,* Taylor and Francis Ltd., London, 609 pp.
835. Hampson, G. F 1895. *The fauna of British India, including Ceylon and Burma. Moths. Vol. III.* Taylor and Francis Ltd., London, 546 pp.
836. Hampson, G. F 1896. *The fauna of British India including Ceylon and Burma. Moths. Vol. IV* Taylor and Francis Ltd., London, 594 pp.
- 837 Harding, W. A. and Moore, P. J. 1927 *The fauna of British India, including Burma and Ceylon : Hirudinea.* Taylor and Francis Ltd., London, 210 pp.
838. Harmer, S. F. 1957. The Polyzoa of the Siboga Expedition. Part. 4. Cheilostomata, Ascophora. *Siboga Exped.*, 28(d) : 641-1147
839. Hartman, O. 1959. Catalogue of the polychaetous annelids of the world. *Allan Hancock Pacif. Exped.*, 23 : 1-628.
840. Hartman, O. 1965. Catalogue of the polychaetous annelids of the world, Supplement and index. *Occ. Pap. Allan Hancock Fdn.*, 23 : 1-197
841. Hartman, O. 1974. Polychaetous annelids of the Indian Ocean including an account of species collected by members of the International Ocean Expeditions, 1963-64 and a catalogue and bibliography of the speices from India. *J. mar. biol. Ass. India*, 26 : 191-252 ; 609-644.
842. Hartman - Schroder, G. 1986. Polychaeta : In : *Stygofauna*

Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters. (Ed. L. Botosaneanu). E. J. Brill, Leiden, 210-233.

843. Heller, C. 1868. Die Crustaceen. In : Reise der Oesterreichischen Fregate Novara Um die Erde in den Jahren 1857-1859 unter den Befehlen des Commodors B. Von Wüllerstorff-Rubich. *Reise Der Novara Zool.*, 2 : 1-280.
844. Henderson, J. R. 1893. A contribution to Indian carcinology. *Trans. Linn. Soc. Lond.*, 5 : 325-458.
845. Henderson, J. R. 1906. On a new species of coral infesting crab taken by the R. I. M. S. S. *Investigator* at the Andaman Islands. *Ann. Mag. nat. Hist.*, 18 : 211-219.
846. Hensley, D. A. 1979. Revision of the Indo-West Pacific species of *Abudefduf* (Pisces : Pomacentridae). *Diss. Abstr.* II, 39(7) : 1-216.
847. Herre, A. W. C. T. 1939. On a collection of littoral and freshwater fishes from the Andaman Islands. *Rec. Indian Mus.*, 41(4) : 327-372.
848. Herre, A. W. C. T. 1940. On a collection of littoral and freshwater fishes from the Andamans. Supplement. *Rec. Indian Mus.*, 42 : 1-8.
849. Herre, A. W. C. T. 1941. A list of fishes known from the Andaman Islands. *Mem. Indian Mus.*, 13(3) : 331-403.
850. Herre, A. W. C. T. 1944. A review of the halfbeaks or Hemiramphidae of the Philippines and adjacent waters. *Stanford Univ. Publs.*, (9)2 : 1-48.
851. Herre, A. W. C. T. 1953. Check-list of the Philippine fishes. *U. S. Fishwild. Serv. Res. Rep.*, 20 : 1-977.
852. Hertz, M. 1927. Die Ophiuroiden der Deutschen Tiefsee-

- Expedition. 1. Chilophiurida Mats. (Ophiopodidae, Ophiopodidae, Ophiopodidae, Ophiopodidae). *Wiss. Ergebn. dt. Tiefsee Exped. 'Valdivia'*, 22 : 57-122.
853. Hewitson, W C. 1874. List of 49 butterflies collected by Capt. Wimberly in the Andaman Islands. *Ann. Mag. nat. Hist.*, (4)14 : 356-358.
854. Higgins, R. P. 1986. Kinorhyncha. In : *Stygofauna Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. (Ed. L. Botosaneanu), E. J. Brill, Leiden, 110-118.
855. Higgins, R.P. and Rao, G.C. 1965. Kinorhyncha from the Andaman Islands. *Zool. J. Linn. Soc.*, 67 : 75-85.
856. Hill, J.E. 1967 The bats of Andaman and Nicobar islands. *J. Bombay nat. Hist., Soc.*, 64 (1) : 1-9.
857. Hill, J.E. 1971. A note on *Pteropus* (Chiroptera : Pteropidae) from the Andaman Islands. *J. Bombay nat. Hist. Soc.*, 68 : 1-8.
858. Hill, W.C.O. 1974. *Primates : Comparative anatomy and taxonomy*. Vol. 7 *Cercopithecidae*. Edinburgh. University Press, Edinburgh, 316 pp.
859. Hollis, D. 1971. A preliminary revision of the genus *Oxya* Audinet Serville (Orthoptera : Acridoidea). *Bull. Br. Mus. nat. Hist. (Ent.)*, 26 (7) : 267-343.
860. Holloway, J.D. and Jardine, N. 1968. Two approaches to zoogeography : A study based on the distribution of butterflies, birds and bats in the Indo-Australian area. *Proc. Linn. Soc. Lond.* 179 : 153-188.
861. Hopkins, G.H.E. and Clay, T 1952. A checklist for the genera and species of Mallophaga. *Brit. Mus. (Nat. Hist.)*, London, 362 pp.
862. Hora, S.L. 1925a. The freshwater fish from the Andaman

Islands. *Rec. Indian Mus.*, 27(2): 33-42.

- 862a. Hora, S.L. 1925 b. Notes on fishes in the Indian Museum. XIII. On certain new and rare species of "Pipefish" (Fam. Syngnathidae). *Rec. Indian Mus.*, 27 (6) : 460-468.
863. Hora, S.L. 1936a. Siluroid fishes of India, Burma and Ceylon. V Fishes of the genus *Heteropneustes* Muller. *Rec. Indian. Mus.*, 38 (2) : 199-209.
864. Hora, S.L. 1936 b. Siluroid fishes of India, Burma and Ceylon. VI. Fishes of the genus *Clarias* Gronovius. *Rec. Indian Mus.*, 38 (3) : 347-351.
865. Hora, S.L. 1937 Geographical distribution of Indian freshwater fishes and its bearing on the probable land connections between India and adjacent countries. *Curr. Sci.*, 5 : 351-356.
866. Hora, S.L. 1948. The distribution of crocodiles and chelonians in Ceylon, India and Burma and farther east. *Proc. natn. Inst. Sci. India*, 14 (6) : 285-310.
867. Hora, S.L. 1949. Geographical basis of fisheries in India. *Bull. natn. geogr. Soc. India*, 13 : 1-16.
868. Hora, S.L. 1950. Oceanographic studies in Indian waters. Presidential Address – Zoological Society of India. *J. zool. Soc. India*, 2 (2) : 73-85.
869. Hora, S.L. 1951a. The fishes of the Indo-Australian archipelago : A review. *Curr. Sci.*, 20 (10) : 281-282.
870. Hora, S.L. 1951b. Fish geography of India. Presential address to the Zoological Society of India. *J. zool. Soc. India*, 3(1) : 181-187
871. Hora, H.L. and Rao, H.S. On the ecology, bionomics and systematics of the blennid fishes of the genus *Andamia* Blyth. *Rec. Indian Mus.*, 40(4) : 377-402.
872. Hornell, J. 1917 A revision of the Indian species of

Meretrix. Rec. Indian Mus., 13(3) : 153-173.

873. Hornell, J. 1949. The study of Indian molluscs. *J. Bombay nat. Hist. Soc.*, 48 : 303-774.
874. Horst, J.V.D. 1931. Some solitary corals from the Indian Ocean. *Rec. Indian Mus.*, 33(1) : 3-12.
875. Hume, A.O. 1973. Additional remarks on the avifauna of the Andamans. *Stray Feathers*, 1 : 304-310.
876. Hume, A.O. 1874 a. Contributions to the ornithology of India. The Islands of the Bay of Bengal. *Stray Feathers*, 2 : 29-324.
877. Hume, A.O. 1874 b. Additional notes on the avifauna of the Andaman Islands. *Stray Feathers*, 2 : 490-501.
878. Hume, A.O. 1875. *Hypotaenidia abnormis* sp. nov. and *Strix roepstorffi* sp. nov. *Stray Feathers*, 3 : 389-391.
879. Hume, A.O. 1876. Additional notes on the avifauna of the Andaman Islands. *Stray Feathers*, 4 : 279-294.
880. Hussain, S.A. 1982. Narcondam, the island of the hornbills. *Hornbill*, 1 (1) : 26-30.
881. Hussain, S.A. 1984. Some aspects of the biology and ecology of Narcondam hornbill (*Rhyticeros narcondami*). *J. Bombay nat. Hist. Soc.*, 81 : 1-18.
882. Hyllenberg, J. and Natewathana, A. 1984. Temporal and spatial distribution of nephtyid polychaetes at Phuket Island, Andaman Sea. Proceedings of first international polychaete conference. *Linn. Soc. New South Wales, Sydney*, 1 : 292-302.

I

883. Inger, R.F. 1955. A revision of the fishes of the genus *Plesiops* Cuvier. *Pacific. Sci.*, 9 (3) : 259-276.

884. Inger, R.F and Dutta, S.K. 1986. An overview of the Amphibian fauna of India. *J. Bombay nat. Hist. Soc.*, 83 : 135-146.
885. Isarankura, A.P. 1971. Assessment of stocks of demersal fish off the west coasts of Thailand and Malaysia. *FAO/UNDP Indian Ocean Programme*, 20 : 1-20.
886. Iyenger, R. 1973. The Siphonaptera of the Indian subregion. *Oriental Insects Suppl.*, 3 : 1-102.

J

- 887 Jacob, K. and Sastri, V V 1951. Tertiary Foraminifera from Sawai Bay, Car Nicobar Island. *Sci. Cult.*, 17 : 181-182.
888. Jacob, T.K. 1989. The red-bested paraket, *Psittacula alexandri abbotti* Oberholser (Psittaciformes : Psittacidae), a serious pest of cashew in Andamans. *Cashew Bull.*, 25 (7) : 9-13.
889. Jacob, T.K. 1990. Control of rhinoceros beetle, *Oryctes rhinoceros* L. *CARI Research Bull.*, 4 : 1-12.
890. Jacob, T.K. 1991. Biological control of palm rhinoceros beetle using baculovirus. *J. Andaman Sci. Ass.*, 7 (1) : 71-74.
891. Jacob, T.K. and Ansari, M.M. 1991. Occurrence of *Metarhizium onisopleae* amon the population of rhinoceros beetle in Andaman Islands. *J. Appl. Zool. Res.*, 2 (2) : 142-143.
892. Jacob, T.K. and Belavadi, V V 1990. The cashew leafminer, *Acrocercops sybgranna* M. its pest status and larval size relationship with leaf area damage in the Andamans. *The cashew*, 4 : 7-9.
893. Jacoby, M. 1908. *The fauna of British India, including Ceylon and Burma, Coleoptera : Chrysomelidae*, Taylor

and Francis Ltd., London, 534 pp.

894. Jain, M. and Gupta, N.K. 1979. Two new species of the genus *Cleavatus* Subrahmanian 1927 (Acanthocephala). *Proc. Indian Acad. Sci.*, 88 (4) : 305-310.
895. Jainath and Gangwar, B. 1984. Identification of major insect pest and disease problems of paddy in Andamans. *Seeds & Farms*, 9 : 17-22.
896. Jairajpuri, M.S. 1965. *Oostenbrinkiella oostenbrinki* n. gen., n. sp. (Nematoda : Leptonchidae) from soil around roots of Jacktree. *Proc. helminth. Soc. Wash.*, 32 : 122-124.
897. Jairajpuri, M.S. 1967 *Qudsiella gracilis* n. gen., n. sp. (Nematoda : Dorylaimidae) from Andamans, India. *Nematologica*, 12 : 587-590.
898. Jairajpuri, M.S. 1969. Studies on Mononchida I. The genera *Hadronchus*, *Iotonchus* and *Miconchus* and revised classification of Mononchida. *Nematologica*, 14 : 213-321.
899. Jairajpuri, M.S. 1991. A change that destroys. In : *Survey of the Environment*. (Spl. Publ.). *The Hindu*, 1 : 128-129.
900. James, D.B. 1968. Studies on Indian echinoderms – I. Rediscovery of the echinoid, *Breynia vredenburgui* Anderson from andaman, with an emended description. *J. mar. biol. Ass. India*, 8 (1) : 76-81.
901. James, D.B. 1969. Catalogue of echinoderms in the reference collections of the Central Marine Fisheries Research Institute. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 51-62.
902. James, D.B. 1971 a. Studies on Indian echinoderms – 3. *Ophiarthrum, pictum* (Mueller and Troschel) (Ophiuroidea : Ophiocomidae) a new record from the Indian Ocean with additional notes on the species. *J. mar. biol. Ass. India*, 12 : 136-138.

903. James, D.B. 1971 b. Studies on Indian echinoderms – 4. On the brittlestars *Amphioplus gravelyi* sp. nov. and *Amphioplus depressus* (Ljungman) from the Indian coasts. *J. mar. biol. Ass. India*, 12 : 139-145.
904. James, D.B. 1973. The Beche-de-mer resources of India. *Proc. Symp. Living Resources of the seas around India*. 1 : 706-711. Special Publication, C.M.F.R.I., Cochin.
905. James, D.B. 1980. History of echinodermology of Indian Ocean. *J. mar. biol. Ass. India*, 18 : 298-309.
906. James, D.B. 1983. Sea-cucumber and sea-urchin resources. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 85-93.
907. James, D.B. 1985. Some observations and remarks on the endangered marine animals of Andaman and Nicobar Islands. *Proc. Symp. Endangered Marine Animals and Marine Prks*, 1 : 337-340.
908. James, D.B. 1986 a. Zoogeography of shallow-water echinoderms on Indian seas. In : P.S.B.R. James (ed.) *Recent Advances in Marine Biology*, 569-591. Today & Tomorrow Pyblishers, New Delhi.
909. James, D.B. 1986 b. Holothurian toxin as a poison to eradicate undesirable organisms from fish farms. *Proc. Symp. Coastal Aquaculture, Cochin*, 4 : 1339-1341.
910. James, D.B. 1986 c. Studies on Inidan echonoderms 12. *Holothuria (Acanthotrapeza) pyxis* Selenka, an interesting holothurian from the Andamans. *J. Andaman Sci. Assoc.*, 2(1) : 34-36.
911. James, D.B. 1986 d. Studies on Indian echinoderms –13. *Phyrella fragilis* (Oshima) (Echinodermata : Phyllophoridae) a new record from the Indian Ocean with notes on its habits. *J. Andaman Sci. Ass.*, 2(1) : 37-38.
912. James, D.B. 1986 e. Studies on improvement in Beche-

de-mer. *Seafood Export J.* 18 (3) : 5-10.

913. James, D.B. 1987 a. Studies on Indian echinoderms – 8. On a new genus *Ophioelegans* (Ophiuroidea : Ophiruidae) with notes on *Ophiolepis superba* H.L. Clark, 1938. *J. mar. biol. Ass. India*, 23 : 15-18.
914. James, D.B. 1987 b. Studies on Indian echinoderms – 7. On a new family Labidodematidae (Holothuroidea : Aspidochirotida) with a detailed description of *Labidodemas rugosum* (Ludwig) from Andamans. *J. mar. biol. Ass. India*, 23 : 82-85.
915. James, D.B. 1987 c. Studies on Indian echinoderms – 9. *Ophionereis andamanensis* sp. nov. (Ophiuroidea : Ophionereidae) from Port Blair, Andamans. *J. mar. biol. Ass. India*. 24 : 33-35.
916. James, D.B. 1987 d. Studies on Indian echinoderms – 10. *Ophiocoma anaglyptica* Ely (Ophiuroidea : Ophiocomidae) a new record from the Indian Ocean with notes on other species from Indian seas. *J. mar. biol. Ass. India*, 24 : 36-41.
917. James, D.B. 1987 e. Studies on Indian echinoderms – 11. On *Protankyra tuticorenensis* sp. nov. and other apodous holothurians from Indian seas. *J. mar. biol. Ass. India*, 24 : 92-105.
918. James, D.B. 1987 f. Ecology of intertidal echinoderms of the Indian seas. *J. mar. biol. Ass. India*, 24 : 124-129.
919. James, D.B. 1987 g. Research on Indian echinoderms – a review. *J. mar. biol. Ass. India*, 25 : 91-108.
920. James, D.B. 1987 h. Studies on Indian echonoderms – 15. On *Psolus mannarensis* sp. nov. and other dendrochirotids from Indian seas. *J. mar. biol. Ass. India* 26 : 109-122.
921. James, D.B. 1987 i. Prospects and problems of *beche-de-mer* industry in Andaman and Nicobar Islands. *Proc.*

Symp. Management of coastal ecosystem and oceanic resources of Andamans, 1 : 110-113.

922. James, D.B. 1988 a. *Ophiocoma doederleini* Lorient, a new record of brittlestar from Andamans. *J. Andaman Sci. Ass.*, 4 : 139-140.
923. James, D.B. 1988 b. Boring and fouling echinoderms of Indian waters. In : M.F. Thompson, R. Sarojini and R. Nagabhushanam (eds), *Marine Biodeterioration*, 227-238. Oxford & IBJ Publishing Co., New Delhi.
924. James, D.B. 1988 c. On some experiments on the pearl oyster *Pinctada margaritifera* from Andamans. *Bull. cent. mar. Fish. Res. Inst.*, 42 : 282-283.
925. James, D.B. 1989 a. Echinoderms of Lakshadweep and their Zoogeography. In : Marine living resources of the union territory of Lakshadweep – An indicative survey with suggestions for development. *Bull. cent. mar. Fish. Res. Inst.*, 43 : 97-144.
926. James, D.B. 1989 b. *Beche-de-mer*, its resources, fishery and industry. *Mar. Fish. Inf. Serv. T & E Ser.*, 92 : 1-35.
927. James, D.B. 1991a. Research, conservation and management of edible holothurians and their impact on the *beche-de-mer* industry. *Bull. cent. mar. Fish. Res. Inst.*, 44 (3) : 648-661.
928. James, D.B. 1991b. Echinoderms of the Marine National Park, South Andaman. *J. Andaman Sci. Ass.*, 7(2) : 19-25.
929. James, D.B. and Lal Mohan, R.S. 1969. Bibliography of the echinoderms of Indian Ocean. *Bull. cent. mar. Fish. Res. Inst.*, 15 : 1-43.
930. James, D.B., Pillai, C.S.G. and Gopakumar, G. 1990. A case study of infestation of *Acanthaster planci* in Andaman waters. *Mar. Fish. Infor. ser., CMFRI*, 106 : 1-3.

931. James, P.S.B.R. 1967 *The ribbon-fishes of the family Trichiuridae of India*. Memoir of Marine Biological Association of India. 266 pp.
932. James, P.S.B.R. 1973. Sharks, rays and skates as a potential fishery resources off the east coast of India. *Proc. Symp. Living Resources of the Seas around India, Cochin*, 483-494.
933. James, P.S.B.R. 1978. A systematic review of the fishes of the family Leiognathidae. *J. mar. biol. Ass. India*, 17 (1) : 138-172.
934. James, P.S.B.R. 1987 Problems and prospects of pearl culture in India. *Bull. cent. mar. Fish Res. Inst.*, 39 :120-122.
935. James, P.S.B.R. 1989. On the scope of marine fisheries research and development in the Andaman and Nicobar Islands. *Mar. Fish. Infor. Serv., CMFRI.*, 102 : 1-4.
936. James, P.S.B.R. and Lalmohan, R.S. 1987 The marine mammals of India. *Mar. Fish. Inform. Serv. T & E*, 71 : 1-13.
937. James, P.S.B.R. and Pillai, P.P. 1991. Strategies for tuna fisheries development and management in the Indian exclusive economic zone. *Bull. cent. mar. Fish. Res. Inst.*, 44(3) : 619-642.
938. James, P.S.B.R. Rao, D.S. and Selvaraj, G.S.D. 1983. A resume of marine biological and oceanographic research by the Central Marine Fisheries Research Institute, Cochin, India. *J. mar. biol. Ass. India*, 25 : 158-189.
939. James, P.S.B.R. and Sounderarajan, R. 1979. On sperm whale *Physeter macrocephalus* Linnaeus, stranded at Krusadai Island in the Gulf of Mannar, with an upto list and diagnostic features of whales stranded along the Indian Coast. *J. mar. biol. Ass. India*, 21 : 17-40.

940. Jayalakshmy, K.V and Saraswathy, M. 1990. Prediction efficiency of the hydrographical parameters as related to distributional patterns of the *Pleuromamma* species in the Indian Ocean. *Indian J. Fish.*, 37(4) : 313-319.
941. Jayaram, K.C. 1972. Siluroid fishes of India, Burma and Ceylon : Fishes of the genus *Ketengus* Bleeker (Family : Ariidae). *Proc. zool. Soc. Calcutta*, 25 : 135-139.
942. Jayaram, K.C. 1974. Ecology and distribution of freshwater fishes, amphibians and reptiles. In : *Ecology and biogeography of India*. Ed. M.S. Mani. Dr. W Junk B.V Publishers, The Hague, 517-584.
943. Jayaram, K.C. 1976. Index Horana : An index to the scientific fish names occurring in all the publications of late Dr. Sundar Lal Hora. *Rec. Zool. Surv. India, Occ. paper*, 19 pp.
944. Jayaram, K.C. 1977 a. Aid to identification of Siluroids. I. Bagridae. *Rec. zool. Surv. India, Occ. Paper*, 8 : 1-41.
945. Jayaram, K.C. 1977 b. Zoogeography of Indian freshwater fishes. *Proc. Indian Acad. Sci.*, 86 (4) : 265-274.
946. Jayaram, K.C. 1979. Aid to the identification of siluroid fishes of India, Pakistan, Burma, Bangladesh and Srilanka : Sisoridae. *Rec. zool. Surv. India, Occ. paper*, 14 : 1-62.
947. Jayaram, K.C. 1981. *The freshwater fishes of India, Pakistan, Bangladesh, Burma and Srilanka*. Handbook, Zoological Survey of India, Calcutta, 475 pp.
948. Jayaram, K.C. 1982. Aid to the identification of the siluroid fishes of India, Burma, Srilanka, Pakistan and Bangladesh. 5. Ariidae and Plotosidae. *Rec. zool. Surv. India, Occ. paper*, 37 : 1-41.
949. Jayaram, K.C. and Dhanze, J.R. 1986. Evolution and biogeography of the Indian genera of the family Ariidae.

Proc. Indian Acad. Sci., 95 (2) : 279-288.

950. Jayaraman, R. 1966. The Indian Ocean Expedition 1960-65. *Sci. Rep.*, 3 (6) : 281-283.
951. Jha, S.K. 1976. Looking after the livestock in Bay Islands. *The Andaman & Nicobar Information*, 1 : 123-125.
952. John, D.D. 1948. Notes on the asteroids in the British Museum (Natural History) – 1. The species of *Astropecten*. *Novit. zool.*, 42 : 485-508.
953. John, J.H. 1898. Notes on the Narcondam hornbill. *J. Bombay nat. Hist. Soc.*, 12 (1) : 212-214.
954. Johnson, D.S. 1966. Aspects of the biogeography of Malaysian marine Decapoda. *Proc. symp. Crustacea, Mar. biol. Ass, India*, 1 : 434-442.
955. Johnson, P. 1964. Two new species of *Aspidosiphon* (Sipunculoidea). *Ann. Mag. nat. Hist.*, 7 : 331-335.
956. Johnson, P. 1971. On a collection of Sipunculida from Indian waters. *J. Bombay nat. Hist. Soc.*, 68 (3) : 596-608.
957. Johnson, R.K. 1982. Fishes of the families Evermannellidae and Scopelarchidae Systematics, morphology, interrelationships and zoogeography. *Fieldiana Zool.*, (12) : 1-252.
958. Jonathan, J. K. 1982. A new species of *Isotima* (Hymenoptera : Ichneumonidae) from the Andaman Islands. *Colemania*, 1(3) : 153-154.
959. Jones, E. C. 1966. The general distribution of species of the calanoid copepod family Candamiidae in the Indian Ocean with new records. *Proc. Symp. Crustacea, Mar. Biol. Ass. India*, 1 : 399-405.
960. Jones, S. 1963. The fishery potential of the seas around India. In : Souvenir. Island Seafoods Pvt. Ltd., Cochin,

1 : 8-12.

961. Jones, S. 1966. The dugong *Dugong dugon* (Muller), its present status in the seas around India with observations on its behaviour in captivity. *Int. Zoo. Yb.*, 7 : 215-220.
962. Jones, S. 1967 The tuna resources of the Indian Ocean. *Seafood Trade J.*, 2 :103-113.
963. Jones, S. 1976. The present status of the dugong *Dugong dugon* (Muller) in the Indo-Pacific and problems of its conservation. *F.A.O. on Marine Resources Research in Marine mammals*, 26 : 1-46.
964. Jone, S. and Alagaraswami, K. 1973. Mussel fishery resources of India. *Proc. Symp. Living Resources of seas around India, CMFRI*, 1 : 641-647
965. Jones, S. and Banerjee, S. K. 1973. A review of the living resources of the Central Indian Ocean. *Proc. Symp. Living Resources of the seas around India, CMFRI.*, 1 : 1-17
966. Jones, S. and Ferdinando, B. 1973. The present status of turtle fishery in India. *Proc. Symp. Living Resources of the seas around India. Spl. Publ., CMFRI.*, 1 : 772-775.
- 967 Jones, S. and Kumaran, M. 1964. New records of fishes from the seas around India. Part. I. *J. mar. Biol. Ass. India*, 6(2) : 285-308.
968. Jones, S. and Kumaran, M. 1965. New records of fishes from the seas around India. Part. II. *J. mar. biol. Ass. India*, 7(1) : 108-123.
969. Jones, S. and Kumaran, M. 1966. New records of fishes from the seas around India. Part III. *J. mar. biol. Ass. India*, 7(2) : 381-400.
970. Jones, S. and and Kumaran, M. 1967a. New records of fishes from the seas around India. Part IV *J. mar. biol. Ass. India.*, 8(1) : 163-180.

971. Jones, S. and Kumaran, M. 1967b. New records of fishes from the seas around India-Part V *J. mar. biol. Ass. India*, 9(1) : 1-12.
972. Jones, S. and Kumaran, M. 1970a. New records of fishes from the seas around India. Part VI. *J. mar. biol. Ass. India*, 10(2) : 321-331.
973. Jones, S. and Kumaran, M. 1970b. New records of fishes from the seas around India. Part VII. *J. mar. biol. Ass. India*, 12(1&2) : 162-196.
974. Jones, S. and Kumaran, M. 1980. *Fishes of the Laccadive Archipelago*. The Nature Conservation and Aquatic Sciences Service, Trivandrum, 760 pp.
975. Jones, S. and Silas, E. G. 1960. Indian tunas - a preliminary review with a key for their identification. *India J. Fish.*, 7(2) : 369-393.
976. Jones, S. and Silas, E. G. 1962a. The fishes of the sub-family Scomberomorinae (Family Scombridae) from Indian waters. *Indian J. Fish.*, 8(1) : 189-206.
977. Jones, S. and Silas, E. G. 1962b. A systematic review of the Scombroid fishes of India. *Proc. Symp. Scombroid fishes, Mar. Biol. Ass. India*, 1 : 1-106.
978. Jones, S. and Silas E. G. 1963a. Tuna and tuna-like fishes from the Indian Seas. *FAO Fish. Rep.*, (6)3 : 1775-1796.
979. Jones, S. and Silas, E. G. 1963b. Synopsis of biological data on Skipjack tuna *Katsuwonus pelamis* (Linnaeus) in Indian Ocean. *FAO Fish. Rep.*, 6(2) : 663-694.
980. Jones, S. and Silas, E. G. 1964. Mackerel from the Andaman Sea. *Proc. Symp. Scombroid Fishes, Mar. Biol. Ass. India*, (1) : 255-282.
981. Jones, S., Silas, E. G. and Dawson, E. 1961. New records

of Scombroid fishes from the Andaman-Nicobar waters.
J. mar. biol. Ass. India, 2(1) : 136-137

982. Joseph, A. N. T and Parui, P. 1983. A review of the Asilidae from Oriental Region. *Oriental Ins.*, 17 : 269-393.
983. Joseph, A. N. T. and Parui, P. 1990. A review of the Asilidae (Diptera) from India. *Rec. zool. Surv. India, Occ. Paper*, 113 : 1-122.
984. Joseph, A. N. T. and Parui, P. 1991. Asilidae of Andaman Islands. *Rec. zool. Sur. India*, 91 : 286-294.
985. Jouin, C. and Rao, G. C. 1987. Morphological studies on some Polygordiidae and Saccocirridae from the Indian Ocean. *Cah. Biol. Mar.*, 28 : 289-402.
986. Julka, J. M. 1982. Earthworm fauna of the Andaman and Nicobar Islands, India. *Rec. zool. Surv. India*, 80 : 127-155.
987. Julka, J. M. 1988. *The fauna of India and adjacent countries. Oligochaeta (Earthworms)*. Zoological Survey of India, Calcutta, 400 pp.
988. Julka, J. M. 1991. Oligochaeta. In : *Animal resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 155-171.
989. Julka, J. M. and Das, S. 1978. Studies on the shallow-water starfishes of the Andaman and Nicobar Islands. *Mitt. zool. Mus. Ber*, 54 : 345-351.
990. Julka, J. M. and Halder, K. R. 1975. Record of *Pheretima malaca* Gates (Oligochaeta-Megascolecidae) from Andaman Islands. *Newsl. zool. Surv. India*, 1(4) : 65-66.
991. Jusin, A. 1990. *The Nicobars*. Segull Books Publishing Co., Calcutta, 165 pp.

K

992. Kabanova, J. G. 1964. Primary production and nutrient salt contents in the Indian Ocean waters in October - April 1960-61. *Trudy. Inst. Okeanol.*, 64 : 85-93.
- 992a. Kabanova, J. G. 1968. Primary production of the northern part of the Indian Ocean. *Oceanology*, 8 : 214-255.
993. Kaburaki, T. 1925. Planarians from the Andamans. *Rec. Indian Mus.*, 27(2) : 29-32.
994. Kagwade, P. V. 1970. The polynemid fishes of India. *Bull. cent. mar. Fish. Res. Inst.*, 18 : 1-69.
995. Kagwade, P. V., Manickaraja, M., Deshmukh, V. D., Rajamani, M., 1991. Magnitude of lobster resources of India. *J. mar. biol. Ass. India*, 33 : 150-158.
996. Kailola, P. J. 1986. Ariidae systematics : Comparison of the giant sea catfishes *Arius thalassinus* and *A. bilineatus* of the Indo-Pacific. *Indo-Pacific fish Biology, Tokyo*, 36 : 540-549.
997. Kalra, N. L. 1974. Filariasis among aborigines of Andaman and Nicobar Islands. *J. Com. Dis.*, 6 : 40-66.
998. Kalra, N. L. 1976. Filariasis among aborigines of Andaman and Nicobar islands. II. *Filaria* survey of "Shompens" of Great Nicobar and "Onges" of Little Andaman. *J. Com. Dis.*, 8(1) : 51-59.
999. Karla, N. L. 1980. Emergence of malaria zoonosis of simian origin as natural phenomenon in Great Nicobar. *J. Comm. Dis.*, 12(1) : 49-54.
1000. Karla, N. L. 1981. Susceptibility of common mosquito species of Andaman and Nicobar Islands to insecticides. *J. Comm. Dis.*, 13(1) : 45-52.
1001. Kalra, N. L. and Mathur, K. R. 1982. Intestinal parasites among tribals of Andaman and Nicobar Islands. *J. Com. Dis.*, 14 : 16-25.

1002. Kaltenbach, A. 1979. Ergebnisse der osterreichisch - indischen. Andaman - Expedition : Saltatoria (Insecta : Orthopteroidea). *Ann. Naturhist. Mus. Wien*, 82 : 605-613.
1003. Kalyanasundaram, N. and Ganti, S. S. 1975. Intensity and distribution of marine wood-borers of various parts of India. *Bull. Dept. mar. Sci., Univ. Cochin*, 7(3) : 637-644.
1004. Kamla Devi. 1991. Supplementary list to the fishes of Bay Islands. *J. Andaman Sci. Ass.*, 7(2) : 101-103.
1005. Kamla Devi and Mitra, B. 1991. Rare and endangered Nicobar megapod. *Paryavaran*, 3(2) : 37-39 (In Hindi).
1006. Kamla Devi and Rajan, P.T. 1991. Further new records of fishes from Andaman Islands. *J. Andaman Sci. Ass.*, 7(2) : 97-100.
1007. Kampen, V 1923. *The Amphibia of the Indo-Australian Archipelago*. E.J.Brill, Leiden, 304 pp.
1008. Kandaswamy, C. and Sharma, R.M. 1983. A new psyllid gall on the leaves of *Alstonia kurzii* H.K.F. (Apocyanaceae) from the South Andaman Islands. *Curr. Sci.*, 52(19) : 934-935.
1009. Kapoor, V.C. 1971. Four new species of fruitflies (Tephritidae) from India. *Oriental Ins.*, 5(4) : 477-482.
1010. Kapur, A.P 1966. The Coccinellidae (Coleoptera) of the Andamans. *Proc. natn. Inst. Sci. India*, 32 B (3&4) : 148-189.
1011. Kapur, A.P. and Arora, G.S. 1971. Taxonomic studies on some Indian species of the genus *Agrotis* Ochsenheimer and allied genera (Noctuidae, Lepidoptera). *Rec. zool. Surv. India*, 65 : 89-166.
1012. Kapur, A.P. and Vazirani, T.G. 1960. The identity and

geographical distribution of the Indian species of the genus *Dysdercus* Biosduval (Hemiptera : Pyrrhocoridae). *Rec. Indian Mus.*, 54 (3-4) : 159-175.

1013. Kar, C.S. and Bhaskar, S. 1981. The status of sea turtles in the eastern Indian Ocean. In : *Biology and conservation of sea turtles*. (Ed. K.A. Bjorndal). Smithsonian University Press, Washington, 365-372.
1014. Karande, A.A. 1978. Marine fouling and timber deterioration in suboceanic islands of Andamans. *Indian J. mar. Sci.*, 7(1) : 39-43.
1015. Karuna, V 1978. *Intertidal fauna of the rocky shore at South Point, Port Blair, South Andaman*. Gov. College, Port Blair, 12 pp.
1016. Karunakaran, C. 1967 *Exhibition on the Great Nicobar Island*. Guide compiled by the Geological Survey of India, Calcutta, 14 pp.
1017. Kathirvel, M. 1983. Crab resources and prospects for crab culture. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 66-68.
1018. Kathirvel M. and James, D.B. 1990. The phyllosoma larvae from Andaman and Nicobar waters. *Proc. Workshop. Scient. Resul. Sagar Sampada*, 147-150.
1019. Kaur, R. and Jonathan, J.K. 1979. Ichneumonologia orientalis. Part. VII. The tribe Phytodietini from India (Hymenoptera, Ichneumonidae). *Oriental Ins. Monogr.*, 9 : 1-276.
1020. Keiji, B. 1986. Two new species of anomuran crustaceans (Decapoda Chirostylidae and Galatheidae) from the Andaman Sea. *J. Crustacean Biology*, 6(3) : 625-632.
1021. Keler, S. 1960. Bibliographie der Mallophagen. *Mitt. Zool. Mus. Berl.*, 36(2) : 146-403.
1022. Kemp, S. 1911. Preliminary descriptions of new species

and varieties of crustacean Stomatopoda in the Indian Museum. *Rec. Indian Mus.*, 6 : 93-100.

1023. Kemp, S. 1913. An account of the crustacean Stomatopoda of the Indo-Pacific region based on the collection in the Indian Museum. *Mem. Indian Mus.*, 4 : 10217
1024. Kemp, S. 1916. Notes on Crustacea Decapoda in the Indian Museum. *Rec. Indian Mus.*, 12 (8) : 386-405.
1025. Kemp, S. 1918. Zoological results of a tour in the far East (collected by N. Annandale) Part V Crustacea, Decapoda and Stomatopoda. *Mem. Asiat. Soc. Beng.*, 6 : 217-297
1026. Kemp, S. 1922. Notes on Crustacea Decapoda in the Indian museum, XV Pontoniinae. *Rec. Indian Mus.*, 24 (2) : 113-288.
1027. Kemp, S. 1925. Notes on Crustacea Decapoda in the Indian Museum. XVII. On various Caridea. *Rec. Indian Mus.*, 27 (4) : 249-343.
1028. Kemp, S. and Chopra, B. 1921. Notes on Stomatopoda. *Rec. Indian Mus.*, 22 (4) : 297-311.
- 1028a. Kemp, S. and Sewell, R.B.S. 1912. Notes on Decapoda in the Indian Museum III. The species obtained by the R.I.M.S.S. *Investigator* during the Survey season 1910-1911. *Rec. Indian Mus.*, 7 : 15-32.
1029. Khajuria, H. 1952. Taxonomic studies on some Indian Chiroptera. *Rec. Indian Mus.*, 50(1) : 113-128.
1030. Khajuria, H. 1983. Taxonomic research on Indian mammals. *Rec. zool. Surv. India*, 80 (3&4) : 355-374.
1031. Khajuria, H, Chaturvedi, Y and Ghoshal, D.K. 1977 Catalogue mammaliana. *Rec. zool. Surv. India, Occ. Paper*, 7 : 1-44.
1032. Khan, E. 1986. One new genus and four new species in the superfamily Longidoroidea (Nematoda). *Indian J.*

Nematol., 16 : 185-193.

1033. Khan, E., Chanda, M.L. and Saha, M. 1976. Comments on the classification of Longidoridea (Nematoda) with description of three new species. *Indian J. Nematol.*, 6(1) : 47-62.
1034. Khan, I.H. 1977 *Insular fauna in the mini-zoo at Port Blair, South Andaman*. Andaman & Nicobar Administration, Port Blair, 16 pp.
1035. Khan, I.H. 1978. Don't shoot by gun but by camera. *The Andaman & Nicobar Information*, 2 : 90-93.
1036. Khan, I.H. 1981. Conservation of salt-water crocodile and its plan in the territory of Andaman and Nicobar Islands. *Seminar on Island Biology*, Botanical Survey of India, Port Blair, 6 pp.
1037. Khan, I.H. 1983. Wild life. In : *Hundred years of forestry in Andamans*. 1 : 53-60.
1038. Khan, I.H. 1987 Conservation of endangered marine species in Andamans. *Proc. Symp. On Management of Coastal ecosystems and Oceanic resources of Andamans*, Andaman Sci. Ass., 1: 66-70.
1039. Khan, M.H. 1980. Ticks and mites affecting animals in Andamans. *Indian Fmg.*, 29(11) : 30-31.
1040. Khan, M.H. 1985. Ectoparasites of animals in the Andamans I. Insects. *J. Andaman Sci. Assoc.*, 1 (2) : 82-85.
1041. Khan, M.H. 1986. Ectoparasites of Andamans II. Acarines. *J. Andaman Sci. Assoc.*, 2 : 46-50.
1042. Khan, T.N. 1985 a. The longhorn beetles (Coleoptera : Cerambycidae) of Neil Island, Ritchie's Archipelago, Bay of Bengal. *J. Beng. nat. Hist. Soc.*, 4(1) : 49-59.
1043. Khan, T.N. 1985 b. Community and succession of the

- round head borers (Coleoptera : Cerambycidae) infesting the felled logs of white dhup *Canarium enphyllum* Kurz. *Proc. Indian Acad. Sci.*, 94 (4) : 435-441.
1044. Khan, T.N. 1988. Biology of *Halme caeruescence* Gahan (Coleoptera : Cerambycidae). *J. Beng. nat. Hist. Soc.*, 7(2) : 42-60.
1045. Khan, T.N. 1989. A new biotaxonomic key to the Cerambycidae (Coleoptera) of Andaman and Nicobar Islands. *J. Beng. nat. Hist. Soc.*, 8(2) : 14-29.
1046. Khan T.N. 1990. Bionomics of *Apenesia* sp. (Hymenoptera : Bethylidae) and its role in the mortality of *Serixi* (S. str.) *andamanica* Gardner (Coleoptera : Cerambycidae). *J. Beng. nat. Hist. Soc.*, 9(2) : 32-40.
1047. Khan, T.N. and Maiti, P.K. 1981 a. On the host selection, oviposition and fecundity of the long-horned beetle borer, *Acalolepta rusticator* (Fab). (Coleoptera : Cerambycidae). *Bull. zool. Surv. India*, 4(3) : 247-250.
1048. Khan, T.N. and Maiti, P.K. 1981 b. On some longicorn beetle borers (Coleoptera : Cerambycidae) of the Islands of Andamans, India, with particular emphasis on their infestation, population and damage to timbers. *Proc. Indian Sci. Congr.*, 69 (4) : 51 (Abstract).
1049. Khan, T.N. and Maiti, P.K 1982 a. Life and fecundity tables for the longicorn beetle borer, *Olenecampus bilobus* (Fabricius) (Coleoptera : Cerambycidae). *Proc. Indian Acad. Sci.*, 91(3) : 249-257.
1050. Khan, T.N. and Maiti, P.K 1982 b. The bionomics of the round head borer, *Olenecamptus bilobus* (Fabr.) (Coleoptera : Cerambycidae). *Proc. zool. Soc. Calcutta*, 33 : 71-85.
1051. Khan, T.N. and Maiti, P.K 1983 a. Studies on the biotaxonomy, biology and ecology of some longicorn beetle

- borers (Coleoptera : Cerambycidae) of the Islands of Andamans, India. *Rec. zool. Surv. India, Occ. Paper*, 45 : 1-101.
1052. Khan, T.N. and Maiti, P.K 1983 b. Bio-ecological observations on the community of the round-head borers (Coleoptera : Cerambycidae) infesting the felled logs of white dhup, *Canarium euphyllum* Kurs. *Proc. Indian Sci. Congr.*, 71(4) : 58 (Abstract).
1053. Khanna, V. 1991. Chilopoda : Scolopendromorpha. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 461-465.
1054. Khatri, T.C. 1988. *Eurema h. heeabe* Evans (Lepidoptera : Pieridae) a suspected sub-species in Bay Islands. *J. Andaman Sci. Ass.*, 4(1) : 87.
1055. Khatri, T.C. 1989 a. A revised list of butterflies (Rhopalocera : Lepidoptera) from Bay Islands. *J. Andaman Sci. Ass.*, 5(1) : 57-61.
1056. Khatri, T.C. 1989 b. Effect of deforestation on butterfly fauna of the Bay Islands. *Proc. Symp. Trop. Rain Forests Development vis-a-vis Ecology*, 13 pp.
1057. Khatri, T.C. 1989 c. Abnormal behaviour of two species of butterflies. *J. Andaman Sci. Ass.*, 5(2) : 154.
1058. Khatri, T.C. and Amardeep, 1990 a. New host records for *Catapsilia pyranthae* from Andaman Islands with a brief note on its biology. *J. Andaman Sci. Ass.*, 6 : 56-57.
- 1058a. Khatri, T.C. 1990 b. On some Amathusiid and Riodinid butterflies (Lepidoptera : Rhopalocera) of Andaman Islands. *J. Andaman Sci. Ass.*, 6(2) : 173-174.
1059. Khatri, T.C. 1990 c. Save the butterflies of Andaman and Nicobar Islands. *Indian Fmg.*, 39(10) : 30-40.
1060. Khatri, T.C. 1990 d. Faunal exploration with special

- reference to butterflies (Insecta : Lepidoptera : Rhopalocera) of the Andaman and Nicobar Islands. *Islands on March*, 1 : 80-83.
1061. Khatri, T.C. 1990 e. On some Nymphalidae from the Andaman and Nicobar Islands. *Islands on March*, 2 : 82-94.
1062. Khatri, T.C. 1991 a. On some Satyridae from Andaman and Nicobar islands. *Islands on March*, 3 : 9-13.
1063. Khatri, T.C. 1991 b. Artificial induction method for laying eggs by butterflies (Insecta : Lepidoptera : Rhopalocera). *Islands on March*, 3 : 25-26.
1064. Khatri, T.C. 1991 c. *Ecology, Zoogeography and status of Lepidoptera : Rhopalocera in Andaman and Nicobar Islands*. U.G.C. Project Report, Port Blair. 7 pp.
1065. Khatri, T.C. 1991 d. Phytoplankton of Dalthaman tank of South Andaman. *Oykoassay*, 8 : 1-4.
1066. Khatri, T.C. 1991 e. Sympatric species of *Eurema* (Lepidoptera : Rhopalocera : Pieridae) from Andamans. *Ann. Entomol.*, 9(1) : 71-72.
1067. Khatri, T C. 1991f. Problems and prospects of tourism development in Andaman and Nicobar Island with special reference to butterflies (Insecta : Lepidoptera : Rhopalocera). *Proc. Seminar Tourism Dev. & Envi. Prot.*, 1 : 39-43.
1068. Khatri, T C. and Mitra, B. 1989a. On some Danaidae (Lepidoptera : Rhopalocera) from the Andaman and Nicobar Islands. *Hexapoda*, 1 (1&2) : 109-116.
1069. Khatri, T C. and Mitra, B. 1989b. On some Pierid butterflies (Lepidoptera) from Andaman and Nicobar Islands. *Hexapoda*, 1 (1&2) : 127-137
1070. Khatri, T C. and Rishikesh, 1991. Techniques for butterfly collection. *Islands on March*, 3 : 48-51.

1071. Khatri, T C. and Roopkumari, 1989. Effect of deforestation on the apis fauna (Insecta : Hymenoptera : Apidae) of the Bay Islands. *Proc. Symp. Trop. Moist. Forest : Development vis-a-vis Ecology*, 1-14.
1072. Khatri, T C. and Singh, R. K. 1988. Notes on some Papilionidae (Lepidoptera : Rhopalocera) from the Andaman and Nicobar Islands. *J. Andaman Sci. Ass.*, 4(1) : 39-46.
1073. Khera, S. and Chaturvedi, Y 1976. Check-list of Indian freshwater sponges, with a catalogue of type-specimens in the collection of the Zoological Survey of India (Porifera : Spongillidae). *Rec. zool. Surv. India, Occ. Paper*, 4 : 1-29.
1074. Khoshoo, T N. 1991. Biological diversity - a case for conservation. In : *Survey of the Environment*. (Spl. Publ.) *The Hindu*, 1 : 125-127
1075. King, W B. 1981. *Endangered birds of the world*. Smithsonian Institution, Washington, 860 pp.
1076. King, B. F and Dickinson, E. C. 1975. *A field guide to the birds of South East Asia*. Collins & Co., London, 416 pp.
- 1077 Kirby, W F 1914. *The fauna of British India, including Ceylon and Burma : Orthoptera (Acridiidae)*. Taylor and Francis Ltd., London, 276 pp.
1078. Klaus, W 1971. *Oceanographic atlas of the International Indian Ocean Expedition*. NSF, Washington, D. C.
1079. Klausewitz, W 1962. Taxionomische untersuchungen an der Gattung *Gomphosus* (Pisces, Percomorphi, Labridae). *Senck enberg. biol.*, 43(1) : 11-16.
1080. Klausewitz, W 1963. *Centropyge eibli* n. sp. von der Nikobaren (Pisces, Percoidea, Pomacanthidae). *Senck enberg. biol.*, 43(3) : 177-181.
1081. Klausewitz, W and Eibl-Eibesfeldt. I. 1959. New Rohrenaalo von der Maldiven und Nikobaren (Pisces :

Apodes : Heterocongridae). *Senckenberg. biol.*, 40(3/4) : 135-153.

1082. Kobayashi, M., Kanda, F., Rao, C. V L., Kumar, S. M. D., Trimurtulu, G. and Rao, C. B. 1990. Polyhydroxysterols of the soft corals of the Andaman and Nicobar coasts. *Chem. Pharm. Bull.*, 38(6) : 1724-1726.
1083. Kobayashi, M., Kanda, F., Rao, D. S., Rao, D. V and Rao, C. B. S. 1990. Marine sterols - Polyhydroxy sterols of the soft corals of Andaman & Nicobar coasts. Part 2. Isolation and structures of three 16 - glycosides from an *Alcyonarian* sp. soft coral. *Chem. Pharm. Bull.*, 38 : 2400-2403.
1084. Kobayashi, M., Kanda, F., Rao, C. V L., Kumar, S. M. D., Rao, D. V and Rao, C. B. S. 1991. Marine sterols - Polyhydroxysterols of the soft corals of Andaman and Nicobar coasts. Part 3. Isolation and structures of five new C-28 polyhydroxysterols from two soft corals of *Sclerophytum* spp. *Chem. Pharm. Bull.*, 39 : 297-300.
1085. Kobayashi, M., Kobayashi, K., Ramana, K. V., Rao, C. V L., Rao, D. V and Rao, C. B. S. 1991. Marine sterols - Polyhydroxysterols of the Andaman & Nicobar coasts. Part 4. Andaman sterol and Nicobar sterol with 3, 9, 11, 21 - tetrahydroxy and 11, 21 epoxy 9, 10 secosteroid skeletons from a *Sclerophytum* sp. of soft corals. *J. Chem. Soc. Perkin. Trans.*, 18 : 493-497
1086. Koehler, R. 1897 Echinodermes recueillis par l'*Investigator* dans l'Océan India - I. Les ophiures the mer profonde. *Ann. Sci. nat. Zool.*, (B) IV : 277-372.
- 1087 Koehler, R. 1898. Echinodermes recueillis par l'*Investigator* dans l'Océan India - II. Les ophiures littorales. *Bull. scient. Fr. Belg.*, 31 : 55-125.
1088. Koehler, R. 1899. An account of the deep-sea Ophiuroidea collected by the Royal Indian Marine Survey ship *Investigator*. *Echinoderma of the Indian Museum, Part I* : 1-76, Calcutta.

1089. Koehler, R. 1900. Illustrations of the shallow-water Ophiuroidea collected by the Royal Indian Marine Survey ship *Investigator*. *Echinoderma of the Indian Museum*, Part II : 1-118, Calcutta.
1090. Koehler, R. 1909. Asteries recueillies par *l'Investigator* dans l'Océan India - I. Les asteries de mer profonde. *Echinoderma of the Indian Museum*, Part V : 1-143, Calcutta.
1091. Koehler, R. 1910a. Asteries recueillies par *l'Investigator* dans l'Océan India - II. Les asteries littorales. *Echinoderma of the Indian Museum*, Part VI : 1-191, Calcutta.
1092. Koehler, R. 1910b. Descriptions d'ophiures nouvelles provenant des dernières campagnes de *l'Investigator* dans l'Océan India. *Rec. Indian Mus.*, 5 : 83-88.
1093. Koehler, R. 1914. Echinides du Musée Indian A Calcutta-I. Spatangides. *Echinoderma of the Indian Museum*. 8 : 1-258, Calcutta.
1094. Koehler, R. 1922. Echinides du Musée Indian A Calcutta-II. Clypeasterides et Cassidulides. *Echinoderma of the Indian Museum*, Part IX : 1-164, Calcutta.
1095. Koehler, R. 1927. Echinides du Musée Indian A Calcutta-III. Echinides réguliers. *Echinoderma of the Indian Museum*, Part X : 1-158, Calcutta.
1096. Koehler, R. and Vaney, C. 1904. Holothuries recueillies par *l'Investigator* dans l'Océan India. *Congress International de Zoologie, C. R. Sci. Soc. Biol.*, 610-613.
1097. Koehler, R. and Vaney, C. 1905. Holothuries recueillies par *l'Investigator* dans l'Océan India-I. Les holothuries de mer profonde. *Echinoderma of the Indian Museum*, Part II : 1-123, Calcutta.
1098. Koehler, R. and Vaney, C. 1908. Holothuries recueillies par *l'Investigator* dans l'Océan India-II. Les holothuries

- littorales. *Echinoderma of the Indian Museum*. Part IV : 1-542, Calcutta.
1099. Koehler, R. and Vaney, C. 1910. Description d'holothuries nouvelles appartenant au Musee Indien. *Rec. India Mus.*, 5 : 89-103.
1100. Koehler, R. and Vaney, C. 1912. Nouvelles formes de gasteropodes ectoparasites. *Bull. scient. Fr. Belg.*, 46 : 191-217
1101. Koehler, R. and Vaney, C. 1925. Un nouveau gasteropode producteur de galles sur piquants du *Dorocidaris. c. r. hebd. Seance. Acad. Sci., Paris*, 180 : 1559-1563.
1102. Kohil, M. P. S. 1989a. Natural breeding of air-breathing fishes in Andaman and Nicobar Islands. *J. Andaman Sci. Ass.*, 5(1) : 96-97
1103. Kohli, M. P. S. 1989b. Scope of fisheries development in the Andaman and Nicobar group of Islands. *Natn. Acad. Sci., Allahabad*, 1 : 83-85.
1104. Konchina, Y V 1976. The systematics and distribution of the grunts (Pomadasyidae). *J. Ichthyol.*, 16(6) : 833-900.
1105. Koumans, F P. 1940. On a collection of gobioid fishes from Andamans. *Rec. Indian Mus.*, 40 : 15-18.
1106. Koumans, F.P. 1941. Gobioid fishes of India. *Mem. Indian Mus.*, 13(3) ; 205-329.
1107. Koumans, F P. 1953. *The fishes of the Indo-Australian Archipelago*. Vol. 10. E. J. Brill, Leiden, 423 pp.
1108. Kramp, P. L. 1950. Hydromedusae in the Indian museum. *Rec. Indian Mus.*, 53 : 339-376.
1109. Krey, J. 1973. Primary production in the Indian Ocean. In : *The biology of the Indian Ocean*. (Eds. B. Zeitzschel and S. A. Gerlach). Springer Verlag, Berlin, 115-126.
1110. Krishnamurty, A. V R. G. 1983. *Forests and wildlife in*

- India*. International Council of Scientific Unions, New Delhi, 375 pp.
1111. Krishnamurthy, D. 1970. Onges of Little Andaman. *Nutrition*, 5(3) 23-30.
1112. Krishnamurthy, P. 1991. Crustacea. In : *Animal resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 189-202.
1113. Krishnan, K. 1965. A new species of termite from the Nicobar Islands (Isoptera : Termitidae : Nausutitermitinae). *Ent. Meddr.* 34 : 107-109.
1114. Krishnan, K. S. and Bhatnagar, V.N. 1968. A note on *Anopheles* of Car Nicobar Island (India). *Bull. Indian Soc. Malar.*, 5 : 97-101.
1115. Krishnan, K. S. and Halerukar, P. G. 1967. Anopheline fauna of Andaman Islands. *Bull. Indian Soc. Malar.*, 4 : 35-43.
1116. Krishnan, M. S. 1960. International Oceanographic Expedition to the Indian Ocean. *Curr. Sci.*, 29 : 119-121.
1117. Krishnan, S., Subba Rao, N. V. and Lakshminarayana, K. V. 1982. On the occurrence of a fossil, *Janthina* Roeding (Gastropoda : Prosobranchiata) from Andaman Islands (India). *Curr. Sci.*, 51(22) : 1081-1082.
1118. Krishnankutty, M. 1985. Some thoughts on the exploitation and scientific management of the fishery resources in the seas around India. In : *The Oceans : Realities and prospects*. R. C. Sharma (Ed.) Rajesh Publications, New Delhi, 304 pp.
1119. Kumar, D. A. 1925. Report on some tetraxonid sponges in the collection of Indian Museum. *Rec. Indian Mus.*, 27 : 211-229.
1120. Kumar, P. 1968. A note on the middle to upper miocene planktonic Foraminifera in Andamna Islands. *Curr. Sci.*, 36(11) : 295-296.

1121. Kumar, P. and Soodan, K. S. 1976. Early palaeocene planktonic Foraminifera from the Baratang formation, Middle Andaman Island. *Proc. Indian Coll. Micropal. Strat.*, 1 : 145-150.
1122. Kumar, S. 1990. Additional notes on the mole-cricket, *Gryllotalpa africana* Beauv. from Andaman Islands. *J. Andaman Sci. Ass.*, 6(2) : 172.
1123. Kumar, S. and Seema, K. 1991. New records of soldier-flies (Diptera : Insecta) from South Andaman. *J. Andaman Sci. Ass.*, 7(2) : 95-96.
1124. Kumaran, M. 1973. The fishery potentials of Andaman and Nicobar Islands. *Proc. Symp. Living Resources of the seas around India, Special Publ., CMFRI*, 1 : 187-389.
1125. Kumaraswamy Achari, G. P. 1974. Polychaetes of the family Sabellariidae with specieal reference to their intertidal habitat. *Proc. Indian natn. Sci. Acad.*, 38 : 442-455.
1126. Kurcishy, T. W., Sanzgiry, S. and Braganca, A. 1981. Some heavy metals in fishes from the Andaman Sea. *Indian J. mar. Sci.*, 10(3) : 303-307.
1127. Kurcishy, T. W. Sanzgiry, S., George, M. D. and Braganca, A. 1983. Mercury, cadmium and lead in different tissues of fishes and in zooplankton from the Andaman Sea. *Indian J. mar. Sci.*, 12(1) : 60-63.
1128. Kurian, C. V. 1954. Notes on Cumacea (Sympoda) in the Zoological Survey of India. *Rec. Indian Mus.*, 52(2-4) : 275-311.
1129. Kurian, C. V. 1965. The Cumacea of the Indian Seas. *Proc. Symp. Crustacea, Mar. Biol. Ass. India*, 2 : 630-633.
- 1129a. Kurian, C. V. and Radhadevi, A. 1986. Distribution of Cumacea along Indian coasts. In : *Biology of benthic marine organisms*. (Eds. Thompson, M. F., Sarojini, R and Nagabhushanam, R.). Oxford & IBH Publishing Co., New Delhi, 289-296.

1130. Kurian, C. V. and Sebastian, V. O. 1975. *Prawns and prawn fisheries of India*. Hindustan Publishing Corporation, Delhi, 280 pp.
1131. Kyushin, K., Amaoka, K., Nakaya, K. and Ida, H. 1973. *Andaman Shuhen Kaiiki no gyorui*. Japan Marine Fishery Resource Research Centre, Tokyo, 114 pp.
1132. Kyushin, K., Amaoka, K., Nakaya, K. and Ida, H. 1977. *Fishes of Indian Ocean*. Japan Marine Fishery Resource Research Centre, Tokyo, 392 pp.

L

1133. Lachner, E. A. and Karnella, S. J. 1980. Fishes of the Indo-Pacific genus *Eviota* with descriptions of eight new specie (Teleostei : Gobiidae). *Smithson. Contr. Zool.*, 315 : 1-127.
1134. Lachner, E. A. and Mckinney, J. F. 1974. *Barbuligobius boehlki*, a new Indo-Pacific genus and species (Gobiidae : Pisces), with notes on the genera *Callogobius* and *Pipondia*. *Copeia*, 24 : 869-879.
1135. Lachner, E. A. and Mckinney, J. F. 1978. A revision of the Indo-Pacific fish genus *Gobiopsis*, with descriptions of four new species (Pisces : Gobiidae). *Smithson. Contr. Zool.*, 262 : 1-52.
1136. Lahiri, A. R. 1975. Report on the faunistic survey (Odonata) of the South Andaman Islands. *Rec. zool. Surv. India*, 68 : 365-366.
1137. Laidlaw, F. F. 1914. Odonata. *Rec. Indian Mus.*, 8(2) : 335-349.
1138. Lakshminarayana, K. V. 1979. A synoptic list of Mallophaga (Phthiraptera : Insecta) from India and adjacent countries together with host and regional indices. *Rec. zool. Surv. India*, 75 : 39-210.
1139. Lakshminarayana, K. V. 1982. A synoptic list of Mallophaga (Phthiraptera : Insecta) from India and

adjacent countries, together with host and regional indices. *Rec. zool. Surv. India*, 80 : 61-83.

1140. Lakshminarayana, K. V 1986. Data book for the study of chewinglice (Phthiraptera : Insecta) from India and adjacent countries. *Rec. zool. Surv. India, Occ. Paper*, 81 : 1-63.
1141. Lakshminarayana, K. V 1991. Phthiraptera. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India , Calcutta, 313-321.
1142. Lakshminarayana, K. V., Vijayalakshmi, S. and Talukdar, B., 1980. The chewing-lice (Phthiraptera : Insecta) from Andaman and Nicobar Islands with remarks on some host relationships. *Rec. zool. Surv. India*, 77(1-4) : 31-37.
1143. Lakshminarayana, R. 1986. A note on light fishing around Port Blair (Andamans). *J. Andaman Sci. Ass.*, 2(2) 57-59.
1144. Lal, P. 1969. Shompen of Great Nicobar. *Bull anthrop. Surv. India*, 18 : 247-254.
1145. Lal, P. 1974. The tribal man in India. A study in the ecology of primitive communities. In : *Ecology and biogeography of India*. B. V. Publishers, The Hague, 281-329.
1146. Lal, P. 1977 *Great Nicobar Island : A study in human ecology*. Anthropological Survey of India, Calcutta, 128 pp.
1147. Lall, R. 1985. Intestinal parasitic infections in a section of population of Port Blair. *J. Comm. Dis.*, 17(3) : 249-250.
1148. Lall, R. 1986. An outbreak of amoebic dysentery in Car Nicobar. *J. Andaman Sci. Assoc.*, 2(1) : 39-41.
1149. Lalmohan, R. S. 1968. On the occurrence of the blennoid fishes *Blennius semifasciatus* Ruppell (Family : Blenniidae) and *Tripterygion fasciatum* (Weber) (Family

- : Clinidae) along the India coast. *J. mar. biol. Ass. India*, 19(1) : 114-117
1150. Lalmohan, R. S. 1983a. *Acetes* shrimp resource of Andaman and Nicobar Islands. *Mar. Fish. Inf. Serv.*, 53 : 15-17
1151. Lalmohan, R. S. 1983b. Cultivable finfish resources. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 52-53.
1152. Lalmohan, R. S. 1983c. Marine turtle resources. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 98-99.
1153. Lalmohan, R. S. 1983d. Saltwater crocodile resources. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 102-103.
1154. Lalmohan, R. S. 1991. A review of the sciaenid fishery resources of the Indian Ocean. *J. mar. biol. Ass. India*, 33 : 134-145.
1155. Lalmohan, R. S., James, D. B. and Kalimuthu, S. 1989. Mariculture potential. *Bull. cent. mar. Fish. Res. Inst.*, 43 : 243-247
1156. Lazarus, S. 1983. A new species of sardine *Sardinella* (*Amblygaster*) *jonesi* (Clupeidae) from Vizhinjam, Southwest of India, with a revised key to the species of the subgenus *Amblygaster* Bleeker, 1849. *J. mar. biol. Ass. India*, 20 : 78-85.
1157. Leis, J. M. 1977 Systematics and zoogeography of the porcupinefishes(*Diodon*, *Diodontidae*, *Tetraodontiformes*), with comments on egg and larval development. *Fish. Bull.*, 76 : 535-567
1158. Leloup, F 1932. Une collection d'hydropolypes appartenant Indian Museum de Calcutta. *Rec. Indian Mus.*, 24(2) : 131-170.
1159. Leyendekkars, J. V 1964. The International Indian Ocean Expedition. *Aust. J. Sci.*, 27(6) : 153-161.
1160. Lintem, D. A. 1983. Report on symposium on fisheries institution building, Djibouti, October 1983. *Development*

- of Fisheries in Red Sea and Gulf of Aden.*, FAO 1 : 1-38.
1161. Lloyd, R. E. 1907. Notes on phosphorescence in marine animals. *Rec. Indian Mus.*, 1(3) : 257-261.
1162. Lloyd, R. E. 1909a. The races of Indian rats. *Rec. Indian Mus.*, 3(1) : 1-100.
1163. Lloyd, R. E. 1909b. A description of the deep-sea fish caught by the R. I. M. S. 'Investigator' since the year 1900, with supposed evidence of mutation in *Malthopsis*. *Mem. Indian Mus.*, 2 : 139-180.
1164. Loosjes, F. E. 1953. Monograph of the Indo-Australian Gastropoda (Pulmonata, Clausillidae, Phaedusinae). *Beaufortia*, 3 : 1-226.
1165. Lubdock, R. 1976. Fishes of the family Pseudochromidae (Perciformes) in the Central Indian Ocean. *J. nat. Hist.*, 10 : 167-177.
1166. Luetken, C. 1865a. Kritiske Bemaerkninger om forskellige Soestjerner (Asterider) med Beskrivelse af nogle nye aster. *Vidensk. Meddr dansk naturh. Foren.*, 1864 : 123-169.
1167. Luetken, C. 1865b. Kritiske Bemaerkninger om forskellige Seostjermer (Asterider) med Beskrivelse af nogle nye aster. *Vidensk. Meddr dansk naturh. Foren.*, 1864 : 194-230.
1168. Luetken, C. 1872a. Ophiuridarum novarum vel minus cogniterum descriptiones nouvelles. *Overs. K. danske Vidensk. Selsk. Forh.*, 77 : 75-158.
1169. Luetken, C. 1872b. Fortsette kritiske og beskrivende Bidrag til kundskab om Soestjerneerne (Asteriderne). *Vidensk. Meddr dansk naturh. Foren.*, 1872 : 227-304.
1170. Luther, G. 1968. On the occurrence of *Steinegeria rubescens* Jordan & Evermann (Bramidae : Pisces) in the Indian Ocean. *J. mar. biol. Ass. India*, 8(2) : 354-356.
1171. Luther, G. 1971. *Ulva mandibularis* (Macleay)

(Carangidae, Pisces), a new record from the *Indian seas*. *Indian J. Fish.*, 15 : 180-187

1172. Luther, G. 1972. *Anyperodon leucogrammus* (Cuv. and Val.) (Pisces : Serranidae), a new record from the Andaman Sea. *Indian J. Fish.*, 19(1/2) : 189-190.
1173. Luther, G. 1973. Observations on the biology and fishery of the Indian mackerel, *Rastrelliger kanagurta* (Cuvier) from Andaman Islands. *Indian J. Fish.*, 20(2) : 425-447

M

1174. Macan, T. T. 1938. Asteroidea. *Scient. Rep. John Murray Exped.*, 4 : 323-435.
1175. MacGilchrist, A. C. 1905. Natural history notes from the R. I. M. S. 'Investigator', Capt. T H. Heming, R. N. (Retd.) Commanding series III. No. 8. On a new genus of teleostean fish closely allied to *Chiasmodon*. *Ann. Mag. nat. Hist.*, (7) 15 : 268-269.
1176. Macnae, W 1968. A general account of the fauna and flora of mangrove swamps and forests in the Indo-west Pacific region. *Adv. Mar. Biol.*, 6 : 73-270.
1177. Madhupratap, M., Achuthankutty, C. T., Sreekumaran Nair, S. R. and Nair, V R. 1981. Zooplankton abundance of the Andaman Sea. *Indian J. mar. Sci.*, 10(3) : 258-261.
1178. Madhupratap, M., Nair, V R., Nair, S. R. and Achuthankutty, C. T 1981. Thermocline and zooplankton distribution *Indian J. mar. Sci.*, 19(3) : 262-265.
1179. Madhupratap. M., Sreekumaran Nair, S. R., Achuthankutty, C. T and Nair, V R. 1981. Major crustacean groups and zooplankton diversity around Andaman-Nicobar Islands. *Indian. J. mar. Sci.*, 10 : 266-269.
1180. Mahadevan, S. 1983. On the possibility of mussel culture. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 70-71.
1181. Mahadevan, S. 1988. On management and development

- of shellfish resources. *Bull. cent. mar. Fish Res. Inst.*, 42 : 1-5.
1182. Mahadevan, S. and Easterson, D. C. V. 1983. Topographical features of the areas surveyed for the fauna of Andaman and Nicobar Islands. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 10-25.
1183. Mahadevan, S. and Nayar, K. N. 1983. National Marine Parks. *J. mar. biol. Ass. India*, 25 : 71-77.
1184. Mahendra, B. C. 1935. The snakes of India : A historical review. *Curr. Sci.*, 4 : 422-427.
1185. Mahendra, B. C. 1939. The zoogeography of India in the light of herpetological studies. *Sci. Cult.*, 4(7) : 1-11.
1186. Maiti, P. K. 1977. The composition and geographical origin of the termites (Isoptera) of the Great Nicobar Island, Indian Ocean. *Proc. zool. Soc., Calcutta*, 30 : 135-139.
1187. Maiti, P. K. 1979. The geographical origin, disposition and evolution of termites (Isopters) of the Andaman and Nicobar Islands, Indian Ocean. *2nd Oriental Ent. Symp. Madras*, 54 (Abstract).
1188. Maiti, P. K. 1983. Termite fauna (Isoptera) of West Bengal, India, their recognition, biology and ecology. *Rec. zool. Surv. India, Occ. Paper*, 42 : 1-162.
1189. Maiti, P. K. 1991. Isoptera. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 301-307.
1190. Maiti, P. K. and Chakraborty, S. K. 1981. Two new termites of the genus *Glyptotermes* (Kalotermitidae) from the Great Nicobar Island, India Ocean. *Bull. zool. Surv. India*, 4(1) : 71-84.
1191. Maiti, P. K. and Khan, T. N. 1984. Biotaxonomy of some round-head borers (Coleoptera : Cerambycidae) of the Islands of Andaman. *IIIrd Orient. Ent. Symp.* (Abstract).

1192. Maiti, P. K. and Mandal, D. K. 1977 Some highlights on the entomological exploration of the Great Nicobar Island, Indian Ocean. *Newsl. zool. Surv. India*, 3(2) : 66-68.
1193. Maiti, P. K., Nandi, B., Chakraborty, S. and Saha, N. 1983. Bioecological observations on the community of Xylophagous insects infesting felled logs of papita *Pterocymbium tinctorum*. *Symposium on Insect interrelations, in forest and agroecosystems, FRI, Dehradun*, 14 pp.
1194. Maiti, P. K. and Saha, N. 1984. Zoogeographical analysis of the scolytid fauna (Scolytidae : Coleoptera) of the Islands of Andaman and Nicobar, Indian Ocean. *IIIrd Orient. Ent. Symp.*, 9p. (Abstract).
1195. Maiti, P. K. and Saha, N. 1986. Contribution to the knowledge of the bark and timber beetles (Scolytidae : Coleoptera) of the Andaman and Nicobar Islands. *Rec. zool. Surv. India, Occ. Paper*, 86 : 1-182.
1196. Majeshwar, N. 1989. The Jarawas of the Andamans - vanishing race. *Sanctuary*, 4(4) : 14-25.
1197. Majupuria, T. C. 1986. Ecological distribution of wildlife. In : *Wildlife Wealth of India*, Ed. T. C. Majupuria. Tecpress Service, Bangkok, 94-103.
1198. Majupuria, T. C. 1986. *Wildlife Wealth of India*. Tecpress Service, Bangkok, Thailand, 656 pp.
1199. Majupuria, T. C. 1986. National parks and sanctuaries in India. In : *Wildlife Wealth of India*, Ed., : T. C. Majupuria. Tecpress Service, Bangkok, 577-623.
1200. Malaviya, H. C. 1974. Stephanofilariar infection in cattle and buffaloes in Andaman Islands. *Indian J. Helminth.*, 24(2) : 68-71.
1201. Malicky, H. 1979. Neue kocherfliegen (Trichoptera) vonden Andamanen Inseln. *Arbeitsgem. Ost. Entomol.*, 30 : 97-109.

1202. Malicky, H. 1984. Results of the Austrian-Indian Hydrobiological Mission 1976 to the Andaman Islands. Part. 6. The caddisflies (Trichoptera). *Annln naturl. Mus. Wien*, 86 : 213-218.
1203. Mammen, T A. 1963. On a collection of hydroids from South India. I. Suborder Athecata. *J. mar. biol. Ass. India*, 5(1) : 27-61.
1204. Mammen, T A. 1965a. On a collection of hydroids from South India. II. Suborder Thecata. *J. mar. biol. Ass. India*, 7(1) : 1-57
1205. Mammen, T A. 1965b. On a collection of hydroids from South India. III. Family Plumulariidae. *J. mar. biol. Ass. India*, 7(1) : 291-324.
1206. Man, E. H. 1883. *Aboriginal inhabitants of the Andaman Islands*. Sanskaran Prakashak, Delhi, 224 pp. (Reprinted in 1978).
1207. Man, E. H. 1885. On the Andaman Islands and their inhabitants. *Jl. Roy. anthrob. Inst.*, 14 : 253-272.
1208. Man, E. H. 1889. Nicobar Islanders. *Jl. Roy. anthrob. Inst.*, 18 : 354-394.
1209. Man, J. G. de, 1892. Decapoden des Indischen Archipels. *Zool. Ergen. Reise Nieder. Ost-Indian*, 2 : 265-527.
1210. Man, J. G. de, 1897. Decapoden and Stomatopoden von Malakka, Borneo und Celebes. *Zool. Jahrb. Abth. f. Syst.*, 9 : 1-175.
1211. Man, J. G. de, 1898. Decapoden und Stomatopoden von Malakka, Borneo und Celebes. *Mem. Soc. zool. Fr.*, 32 : 1-317
1212. Man, J. G. de, 1889. Uber einige neue order seltene indopacifische Brachyuren. *Zool. Jb. (Syst)*, 4 : 409-552.
1213. Man, J. G. de, 1902. De von Herrn Professor Kukenthal im Indischen Archipel gesammelten Dekapoden und Stomatopoden. *Abh. naturforsch. Ges.*, 25 : 467-929.

1214. Man, J. G. de, 1908. Description of a new species of the genus *Sesarma* Say from the Andaman Islands. *Rec. Indian Mus.*, 2(2) : 181-185.
1215. Man, J. G. de, 1911. The Decapoda of the Siboga Expedition. Part I. Family : Penaeidae. *Siboga Exped.* 39 : 1-31.
1216. Mandal, A. K. 1975. Fifty years progress in the taxonomy of Coccidia (Protozoa : Sporozoa) from India. *Rec. zool. Surv. India*, 68 : 341-353.
1217. Mandal, A. K. 1987 *Fauna of India : Protozoa : Sporozoa : Eimeriidae*. Zoological Survey of India, Calcutta, 460 pp.
1218. Mandal, A. K., Das, A. K. and Nandi, N. C. 1991. Protozoa. In : *Animal resources of India : Protozoa to Mammalia : State of Art*. Zoological Survey of India, Calcutta, 1 : 1-17
1219. Mandal, A. K. and Ghosh, M. K. 1984. Report on occurrence of fawn-coloured mouse, *Mus cervicolor cervicolor* Hodgson, 1845 (Rodentia : Muridae) in Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 81 : 465-466.
1220. Mandal, A. K. and Nair, K. N. 1973a. A new species of coccidium from *Taphozous melanopogon* Temminek (Mammalia : Chiroptera) from Andaman Islands. *Proc. Indian Acad. Sci.*, 77(6) : 243-246.
1221. Mandal, A. K. and Nair, K. N. 1973b. A new coccidium from a tree-lizard *Gymnodactylus rhabitus* (Blyth) (Reptilia : Lacertilia) from Andaman Islands. *Sci. Cult.*, 39(8) : 369-370.
1222. Mandal, A. K. and Nair, K. N. 1974a. A new heterotrichous ciliate *Clevelandella kiddari* sp. n. (Clevelandellidae) from wood-feeding roach *Panesthia* sp. of Andaman Islands, India. *Acta. Protozool.*, 12 : 351-354.
1223. Mandal, A. K. and Nair, K. N. 1974b. Observation of *Eimeria wassilewskyi* Rastegaieff (Protozoa : Eimeriidae)

- from *Axis axis* (Erxleben) in Andaman Islands, India. *Acta. Protozool.*, 13 : 221-224.
1224. Mandal, A. K. and Nair, K. N. 1975. *Protoopalina chauhani* sp. nov. (Protozoa : Ophalinida) with a note on its parasite and cohabitants from *Rana cyanophlyctis* Schneider of Andaman Islands, India. *Dr. B. S. Chauhan Comm. Vol.*, 1 : 311-315.
1225. Mandal, D. K. and Bhattacharya, D. P. 1980. On the Pyraustinae (Lepidoptera : Pyralidae) from the Andaman, Nicobar and Great Nicobar Islands, Indian Ocean. *Rec. zool. Surv. India*, **77**(1-4) : 293-342.
1226. Mandal, D. K. and Ghosh, S. K. 1991. Lepidoptera : Amatidae, Arctiidae and Noctuidae. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta. 1 : 429-433.
1227. Mandal, D. K. and Rynth, M. R. 1971. A new species of moth (Lepidoptera : Limacodiidae) from South Andaman Islands. *Oriental Ins.*, 5(4) : 517-520.
1228. Mani, M. S. 1974. *Ecology and biogeography of India*. Dr. W. Junk Publishers, Hague, 773 pp.
1229. Mani, M. S. 1989a. *The fauna of India and adjacent countries. Hymenoptera : Chalcidoidea*. Part I. Zoological Survey of India, Calcutta, 1067 pp.
1230. Mani, M. S. 1989b. *The fauna of India and adjacent countries. Hymenoptera : Chalcidoidea*. Part II. Zoological Survey of India, Calcutta, 1633 pp.
1231. Manning, R. B. 1975. Two new species of the Indo-West Pacific genus *Chorisquilla* (Crustacea : Stomatopoda) with notes on *C. excavata* (Miers). *Proc. biol. Soc. Wash.*, 84 : 253-262.
1232. Manning, R. B. and Holthuis, L. B. 1986. Preliminary descriptions of four new species of dorippid crabs from the Indo-West Pacific region (Crustacea, Decapoda,

- Brachyura). *Proc. biol. Soc. Wash.*, 99(2) : 363-365.
1233. Mansukhani, M. R. and Sarkar, A. K. 1980. On a new species of toad (Anura : Bufonidae) from Camorta, Andaman and Nicobar, India. *Bull. zool. Surv. India*, 3 (1-2) 97-101.
1234. Marichamy, R. 1970a. On a large-sized green sawfish, *Pristis zijsron* Bleeker landed at Port Blair, Andamans. *J. Mar. biol. Ass. India*, 10(2) : 394-395.
1235. Marichamy, R. 1970b. Food and feeding habits of the spotted herring *Herklotsichthys punctatus* (Ruppell) from the Andaman Sea. *Indian J. Fish.*, 17 (1&2) : 159-168.
1236. Marichamy, R. 1970c. Maturity and spawning of the anchovy, *Thrissina baelama* (Forsk.) from the Andaman Sea. *Indian J. Fish.*, 17 (1&2) : 179-187
1237. Marichamy R. 1971a. Maturity and spawning of the spotted-herring *Herklotsichthys punctatus* (Ruppell) from the Andaman Sea. *India J. Fish.*, 18 (1&2) : 148-155.
1238. Marichamy, R. 1971b. Food and feeding habits of the short-jaw anchovy, *Thrissina baelama* (Forsk.) from the Andaman Sea. *Indian J. Fish.*, 19 (1&2) : 97-109.
1239. Marichamy, R. 1974. The fishery resources of Andaman Sea. *Seafood Export J.*, 6(10) : 27-31.
1240. Marichamy, R. 1976. A note on the length-weight relationship and relative condition in *Herklotsichthys punctatus* (Ruppell). *Indian J. Fish.*, 21(2) : 582-584.
1241. Marichamy, R. 1983a. Hydrology of inshore waters. *Bull. cent. mar. fish, Res. Inst.*, 34 : 26-28.
1242. Marichamy, R. 1983b. Zooplankton production in coastal waters. *Bull. cent. mar. Fish. res. Inst.*, 34 : 33-35.
1243. Markarov, R. R. and Mileikovskii, S. A. 1977 Fouling of experimental surfaces by goose barnacles and distribution of their larvae in plankton far from shores. *Soviet J. mar. Biol.*, 3(2) : 154-156.

1244. Marktanner-Turneretscher, G. 1887. Beschreibung newer Ophiuriden und Bemerkungen zu Bekanntan. *Annln. naturh. Mus. Wien*, 2 : 291-316.
1245. Marshall, A. M. and Flower, G. H. 1889. Report on the Pennatulida of the Mergui Archipelago collected for the trustees of the Indian Museum, Calcutta. *J. Linn. Soc. (Zool.)*, 21 : 267-286.
1246. Marshall, G. A. K. 1916. *The fauna of British India, including Ceylon and Burma. Coleoptera : Curenlionidae*. Taylor and Francis Ltd., London, 367 pp.
1247. Martynov, A. V. 1935. On a collection of Trichoptera from the Indian Museum. *Rec. Indian Mus.*, 37 : 93-207.
1248. Martynov, A. V. 1936. On a collection of Trichoptera from Indian Museum. *Rec. Indian Mus.*, 38 : 238-306.
1249. Marybai, M. 1878. Echinoderms and man. *Zoologiana*, 2 : 68-73.
1250. Marybai, M. 1980. Monograph on *Holothuria (Metriatyla) scabra* Jaeger. *Mem. zool. Surv. India*, 16(2) : 1-75.
1251. Maslennikov, V. V. 1973. Oceanographic investigation in the Andaman Sea and the north eastern part of the Bay of Bengal. *Soviet Fisheries Investigations in the Indian Ocean*, 1: 42-51.
1252. Mason, G. E. 1908. Fruit bats of the genus *Pteropus* inhabiting the Andaman and Nicobar archipelago, with the description of a new species. *Rec. Indian Mus.*, 2(2) : 159-166.
1253. Massy, A. L. 1916. The Cephalopoda of the Indian Museum. *Rec. Indian Mus.*, 12 : 185-247.
1254. Mataney, C. F. 1967. *Investigations into the cause of mortality among pigs at Nicobar group of islands*. Annual report of pathology, IARI, Izatnagar, 39 pp.
1255. Mathew, J. 1975. The geographic distribution of echiurans in world oceans with special reference to the Indian

- forms. *Symp. Biol. Sipuncula and Echiura. Kotor.* 2 : 127-133.
1256. Mathur, K. K. 1967 *Nicobar Islands*. National Book Trust, New Delhi, 196 pp.
- 1257 Mathur, L. P. 1969. *History of the Andaman and Nicobar Islands*. Sterling Publishers, Delhi, 116 pp.
1258. Matondkar, S. G. P. 1981. Microbiological studies on the sediments of Andaman Sea. *Indian J. mar. Sci.*, 10(3) : 289-292.
1259. Matthai, G. 1924. Report on the madreporarian corals in the collection of the Indian Museum, Calcutta. *Mem. Indian Mus.*, 8 : 1-52.
1260. Mauchline, J. and Murano, M. 1977 World list of the Mysidacea (Crustacea). *J. Tokyo Univ. Fish.*, 64 : 39-88.
1261. Maulik, S. 1919. *The fauna of British India, including Ceylon and Burma. Coleoptera : Chrysomelidae Vol. II*. Taylor and Francis Ltd., London, 439 pp.
1262. Maulik, S. 1926. *The fauna of British India, including Ceylon and Burma. Coleoptera : Chrysomelidae Vol. III*. Taylor and Francis Ltd., London, 442 pp.
1263. Maulik, S. 1936. *The fauna of British India, including Ceylon and Burma. Coleoptera : Chrysomelidae Vol. IV*. Taylor and Francis Ltd., London, 648 pp.
1264. Maxwell, F D. 1911. *Report on Indian sea fisheries*. Department of Fisheries, Rangoon, 32 pp.
1265. Mc Cosker, J. E. 1970. A review of the eel genera *Leptenchelys* and *Muraenichthys*, with the description of a new genus, *Schismorhynchus* and a new species, *Muraenichthys chilensis*. *Pacif. Sci.*, 24 : 506-516.
1266. Mc Gilchrist, A. C. 1905. Natural history notes from the R. I. M. S. S. "Investigator" No. 6. An account of the new and rare decapod Crustacea obtained during the surveying seasons 1901-04. *Ann. Mag. nat. Hist.*, 15 : 233-

268.

1267. Mc Kay, R. J. 1980. The fishes of the family Sillaginidae from India with a description of a new species. *J. mar. biol. Ass. India*, 18(2) : 375-385.
1268. Mc Kay, R. J. 1985. A revision of the fishes of the family Sillaginidae. *Mem. Qd. Mus.*, 22(1) : 1-73.
1269. Mc Vean, D. N. 1976. *Report on land use in Andaman and Nicobar Islands*. Morges & Co., Switzerland, 31 pp.
1270. Medway, L. 1978. *The wild animals of Malaya and Singapore*. Oxford University Press, Kuala Lumpur, 380 pp.
1271. Meenakshikunjamma, P. P. 1974. The distribution of species of subgenus *Urocorycaeus* (Genus *Corrycaeus*, Corycaeidae, Copepoda) in the Indian Ocean. *J. mar. biol. Ass. India*, 16(3) : 769-774.
1272. Meenakshikunjamma, P. P. and Gopalakrishnan, T. C. 1977. Distribution of echinoderm larvae and tornaria larvae in the Indian Ocean. *Proc. Symp. Warm Water Zooplankton, NIO, Goa*, 1 : 128-131.
1273. Meeran, C. 1972. Nesting sites of sea turtles in Bay Islands. *The Daily Telegrams*, 48 : 4.
1274. Mees, G. F. 1980. The sparrow-hawks (*Accipiter*) of the Andaman Islands. *J. Bombay nat. Hist. Soc.*, 77(3) : 371-412.
1275. Mehra, H. R. 1980. *The fauna of India and adjacent countries. Platyhelminthes : Trematoda : Digenea*. Vol. I. Zoological Survey of India, Calcutta, 418 pp.
1276. Mehrotra, M. L. and Sharma, A. K. 1987. Investigation on outbreak of swinefever at Car Nicobar Island. *J. Andaman Sci. Ass.*, 3(1) : 45-47.
1277. Mehta, H. S. and Devi, K. 1990. Four new records of gobioid fishes from Andaman and Nicobar Islands. *J. Andaman Sci. Ass.*, 6(1) : 66-68.

1278. Mehta, H. S., Rajan, P. T and Devi, K. 1990. Five new records of fishes from Bay Islands. *J. Andaman Sci. Asso.*, 6(2) : 193-195.
1279. Mehta, H. S. and Rao, G. C. 1987. Microhylid frogs of Andaman and Nicobar Islands. *J. Andaman Sci. Asso.*, 3(2) : 98-104.
1280. Mehta, R., Devi, K. and Mehta, H. S. 1989a. *Oxyurichthys talwari*, a new species of gobiid fish from Andaman Islands. *J. Andaman Sci. Asso.*, 5(1) : 23-26.
1281. Mehta, R., Devi, K. and Mehta, H. S. 1989b. Caudal skeleton in some gobiid fishes and its values in systematics. *Res. Bull. Sci. Panjab Univ.*, 40(1-2) : 29-30.
1282. Mehta, R. and Mehta, H. S. 1988. Amphibian tadpoles as a food for fish and wildlife (Aves.) *Jeevanunti*, *Kurukhesthra Univ.*, 1 : 30-32.
1283. Mehta, R., Mehta, H. S. and Devi, K. 1986. Evolutionary modification in the girdles and fins of the gobiid fish : *J. Andaman Sci. Ass.*, 2(2) : 47-50.
1284. Mehta, R., Mehta, H. S. and Devi, K. 1987. Adaptational modifications of pelvic fins in some gobiid fishes. *J. Andaman Sci. Ass.*, 3(2) : 152-154.
1285. Mehta, R., Mehta, H. S. and Devi, K. 1990a. Caudal skeleton in some gobioid fishes and its value in taxonomy. *J. Andaman Sci. Ass.*, 6(2) : 133-137
1286. Mehta, R., Mehta, H. S. and Devi, K., 1990b. Structure and shape of mouth in some gobioid fishes. *Environment Ecology*, 8(2) : 668-671.
1287. Mehta, R., Mehta, H. S. and Rajan, P. T. 1989. Caudal skeleton in some perciform fishes and its value in systematics. *J. Andaman Sci. Ass.*, 5 : 108-112.
1288. Mehta, R., Mehta, H. S. and Rajan, P. T. 1990. Caudal skeleton and its taxonomic relationships in some perciform fishes. *Res. Bull. Panjab Univ. Sci.*, 41(1-4)

25-31.

1289. Melvill, J. C. and Skyes, E. R. 1897. Notes on a collection of marine shells from the Andaman Islands, with description of a new species. *Proc. malac. Soc. Lond.*, 2 : 164-172.
1290. Melvill, J. C. and Skyes, E. R. 1898. Notes on a second collection of marine shells from the Andaman Islands, with descriptions of new forms of *Terebra*. *Proc. malac. Soc. Lond.*, 3 : 35-48.
1291. Melvill, J. C. and Skyes, E. R. 1899. Notes on a third collection of marine shells from the Andaman Islands, with descriptions of three new species of *Mitra*. *Proc. malac. Soc. Lond.*, 3 : 220-229.
1292. Menasveta, P. and Siriyong, R. 1976. Mercury content of several predaceous species in the Andaman Sea. *F. A. O., Rome*, 126 : 84-90.
1293. Mendenhall, G. 1970. Second known specimens of rare cone collected. *Hawaii. Shell News.*, 18(2) : 1-8.
1294. Menezes, M. R. 1990. Biochemical genetic divergence in three carangids from the Andaman Sea. *Curr. Sci.*, 59(4) : 209-212.
1295. Menon, A. G. K. 1966. Geography of the freshwater fishes of the genus *Rasbora* Bleekar. *Proc. 2nd All India Congr. Zool. Calcutta*, 2 : 472-476.
1296. Menon, A. G. K. 1974. Identification sheets for commercially important species of fishes of the family Cynoglossidae, Soleidae and Polynemidae. *F. A. O. Species Identification Sheets for Fishery purposes*. Vols. I-IV
1297. Menon, A. G. K. 1977. A systematic monograph of the tongue soles of the genus *Cynoglossus* Hamilton-Buchanan (Pisces-Cynoglossidae). *Smithson. Contr. Zool.*, 238 : 1-129.
1298. Menon, A. G. K. 1978. *The fauna of India and adjacent*

countries. Pisces 4. Zoological Survey of India, Calcutta, 259 pp.

1299. Menon, A. G. K. and Chatterjee, T. K. 1974. *Callogobius andamanensis*, a new gobioid fish from Curlew Island, Middle Andamans with a key to species of *Callogobius* of the seas of India and Malay archipeago. *Curr. Sci.*, 43(4) : 126-128.
1300. Menon, A. G. K. and Chatterjee, T. K. 1976. *Callōgobius trifasciatus* a new gobioid fish from Mayabunder, Middle Andaman Island. *Mahasagar*, 7 (3&4) : 205-207
1301. Menon, A. G. K. and Rama Rao, K. V 1963. On a new record of the blenniid fish, *Omobranchus kallosoma* (Bleeker) from India. *Sci. Cult.*, 29 : 362.
1302. Menon, A. G. K. and Rama Rao, K. V 1968. Occurrence of the flying fish *Hirundichthys speculiger* (Val.) first in the Indian seas. *Bull. natn. Inst. Sci. India*, 38 : 767-770.
1303. Menon, A. G. K. and Rama Rao, K. V 1970a. Further notes on the fish types in the RIMS Investigator collections (1884-1926). *Copeia*, 2 : 343-344.
1304. Menon, A. G. K. and Rama Rao, K. V 1907b. Type specimens of fishes described in the RIMS Investigator collections (1884-1926). *Copeia*, 2 : 377-378.
1305. Menon, A. G. K. and Rama Rao, K. V 1972a. New records of shallow water brotulid fishes, *Brotula multibarбата* Schlegel and *Dinematichthys iluocoeteoides* Bleeker from the Andaman Sea. *Curr. Sci.*, 41 : 24-25.
1306. Menon, A. G. K. and Rama Rao, K. V 1972b. The use of scorpion fish (*Pterois* spp.) spines as a stimulant in cock fights. *J. Bombay nat. Hist. Soc.*, 68(3) : 840-841.
1307. Menon, A. G. K. and Rama Rao, K. V 1976. A catalogue of type specimens of fishes described in the biological collections of the RIMS Investigator during 1884-1926. *Matsya*, 1 : 31-48.

1308. Menon, A. G. K., Rama Rao, K. V., Chakrapani. S and Sen, T K. 1971. Fishery resources of the Andaman Islands, with suggestions for the improvement of the fishing industry. *Seafood Export J.*, 3(1) : 19-28.
1309. Menon, A. G. K. and Rema Devi, K. 1990. Taxonomic status of the gobioid fish *Oxyurichthys dasi* Talwar, Chatterjee and Roy. *J. Bombay nat. Hist. Soc.*, 87(3) : 464.
1310. Menon, A. G. K. and Talwar, P. K. 1972. Fishes of the Great Nicobar Expedition 1966, with description of a new gobioid fish of the family Kraemeriidae. *Rec. Zool. Surv. India*, 66 : 35-61.
1311. Menon, A. G. K. and Talwar, P. K. 1973. On a new species of the genus *Gaterin* Forskal, 1775 (Pisces : Gaterinidae) from the Andaman Islands. *J. Bombay nat. Hist. Soc.*, 69(3) : 658-660.
1312. Menon, A. G. K. and Talwar, P. K. 1974. Taxonomy and distribution of *Sardinella leiogaster* Valenciennes, 1847 (Pisces : Clupeidae) from the Indian Seas. *J. Bombay nat. Hist. Soc.*, 71 : 41-45.
1313. Menon, A. G. K. and Yazdani, G. M. 1968. Catalogue of type specimans in the Zoological Survey of India. Part 2. Fishes. *Rec. zool. Surv. India*, 61(1&2) : 91-190.
1314. Menon, P. K. B., Dattagupta, A. K. and Johnson, P. 1964. Report on the bonellids (Echiura) collected from the Gulf of Kutch and Port Blair (Andaman Island). *Ann. Mag. nat. Hist.*, 7 : 49-57.
1315. Menon, P. M. G. 1976a. Fisheries in Andamans. *Yojana*, 20(13) : 63-68.
1316. Menon, P. M. G. 1976b. Fisheries development. *The Andaman & Nicobar Information*, 1 : 127-129.
1317. Menon, P. M. G. 1977 The economic development of Andaman and Nicobar Islands by increased fisheries developmental activities. *Seafood Export J.*, 9(9) : 9-15.

1318. Mechael, R. G. and Sharma, B. K. 1988. *Fauna of India and adjacent countries : Cladocera*. Zoological Survey of India, Calcutta, 262 pp.
1319. Michaelsen, W 1907 New Oligochaeta von vorder - Indian Ceylon, Burma und den Andaman-inseln. *Jb. hamb. wiss. Anst.*, 24 143-188.
1320. Michaelsen, W 1909. The Oiligochaeta of India, Nepal., Ceylon, Burma and the Andaman Islands. *Mem. Indian Mus.*, 1 : 103-253.
1321. Miller, G. S., 1902a. Mammals of the Andaman and Nicobar Islands. *Proc. U. S. natn. Mus.*, 24 : 751-795.
1322. Miller, G. S. 1902b. Descriptions of new species of mammals of the Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 14 782.
1323. Miller, J. H. 1842. *Mammals of the Andaman and Nicobar Islands*. Smithsonian Institution, Washington, 52 pp.
1324. Milne-Edwards, H. 1834-37 *Historie naturelle des crustaces. Parts I-II*. Paris, 532 pp.
1325. Milville, R. 1973. Continental drift and the distribution of island floras of the Indian Ocean. *J. mar. biol. Ass. India*, 15(1) : 236-241.
1326. Misra, A. 1990. Olive-Ridley turtle - its breeding and behaviour. *Tiger Paper*, 32 : 29-32.
1327. Misra, A. 1991. Polychaeta. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 173-178.
1328. Misra, K. S. 1949a. A check-list of the fishes of India, Burma and Ceylon I. Elasmobranchii and Holocephali. *Rec. Indian. Mus.*, 45(1) : 1-46.
1329. Misra, K. S. 1949b. A check-list of the fishes of India, Burma and Ceylon II. Clupeiformes, Bathyclupeiformes, Scopeliformes and Ateleopiformes. *Rec. Indian Mus.*, 45(4) : 377-431.

1330. Misra, K. S. 1950. On a new species of scyliorhinid fish from Andaman Sea, Bay of Bengal. *J. zool. Soc. India*, 2(2) : 87-90.
1331. Misra, K. S. 1959. An aid to the identification of the common commercial fishes of India and Pakistan. *Rec. Indian Mus.*, 57(1-4) : 1-320.
1332. Misra, K. S. 1962a. A new scyliorhinid fish from the collections of the R. I. M. S. Investigator. *Proc. First All-India Zool. Cong.*, 2 : 636-638.
1333. Misra, K. S. 1962b. An aid to the identification of common commercial fishes of India and Pakistan. *Rec. Indian Mus.*, 57 : 1-320.
1334. Misra, K. S. 1969. *The fauna of India and adjacent countries. Pisces, Vol. I.* Govt. of India, New Delhi, 276 pp.
1335. Misra, K. S. 1976a. *The fauna of India and adjacent countries. Pisces, Vol. II.* Govt. of India, New Delhi, 438 pp.
1336. Misra, K. S. 1976b. *The fauna of India and adjacent countries. Pisces, Vol. III.* Govt of India, New Delhi, 367 pp.
1337. Misra, M. P., Pawar, A. D. and Ram, N. 1991. Use of NPV in management of the insect pest, *Heliothis armigera* (Hubner) in gram. *J. Andaman Sci. Ass.*, 7(1) : 75-78.
1338. Mitra, B., Khan, J. N. and Maiti, P. K. 1984. Bioecology observation on the flat headed borer *Chrysochroa gratiosa* Deyr. (Coleoptera : Buprestidae) in the islands of Andaman. *Proc. III Oriental Ent. Symp., Trivandrum*, p. 49 (Abstract).
1339. Mitra, G. N. 1973. Method of estimation of fish abundance in the Indian seas and steps to be taken for management of the commercial fisheries. *Proc. Symp. Living Resources of the seas around India*, 1 : 145-154.

1340. Mitra, S. C. and Muraleedharan, N. 1976. New records of Cicadidae (Hemiptera : Homoptera) from the Andaman and Nicobar Islands. *Newsl. zool. Surv. India*, 2(4) : 139.
1341. Moerch, O. A. L. 1872. Catalogue of the mollusques terrestres et fluviatilis des anciennes colonies danoises du golfe du Bengale. *J. Conch., Paris*, 20 : 303-345.
1342. Moerch, O. A. L. 1876. Revision of the mollusques terrestres des isles Nicobar. *J. Conch., Paris*, 24 : 353-367
1343. Mohanasumdaram, N. and Sharma, R. M. 1984a. New species and records of eriophyids (Acari-Eriophyidae) from Andamans. *Indian J. Acar.*, 9 : 17-22.
1344. Mohanasumdaram, N. and Sharma, R. M. 1984b. *Contarinia eragrostidis* Felt, an addition to the gall midge fauna of India. *Geobios New Reports*, 3 : 146-147
1345. Mohanasumdaram, N. and Sharma, R. M. 1985. Two new species of *Aceria* and a record of occurrence of *Aceria leptothrix* (Acari : Eriophyidae) from Andamans. *Indian J. Acar.*, 10 : 11-16.
1346. Mohnot, S. M. 1980. On the primate resources of India. *J. Bombay nat. Hist. Soc.*, 75 : 961-970 (Supplement).
1347. Mohnot, S. M. 1981. The status of Indian non-human primates. *Proc. Workshop Wildl. Ecol., Zool. Surv. India*, 1 : 111-117
1348. Mohr, E. 1926. Die Gattung *Zenarchopterus* Gill. *Zool. Jb.*, 52 : 231-266.
1349. Moiseev, P. A. 1971. *The living resources of the world oceans*. Keter Press, Jerusalem, 344 pp.
1350. Moll, E. E. and Vijaya, J. 1986. Distributional records for some Indian turtles. *J. Bombay nat. Hist. Soc.* 83(1) : 57-62.
1351. Monod, I. 1934. Notes on the bionomics of *Trochus niloticus* Linnaeus 3. Sur un copepod parasite de *Trochus*

niloticus Linn. *Rec. Indian Mus.*, 36 : 213-218.

1352. Monkolprasit, S. 1973. The fishes of the leiognathid genus *Secutor*, with the description of a new species from Thailand. *Fishery Res. Bull. Kasetsart Univ.*, 6 : 10-17.
1353. Mookerji, R. R. 1939. A nicobarese rat trap. *Man*, 4 : 8-9.
1354. Moore, F 1877 Lepidopterous fauna of Andaman and Nicobar Islands. *Proc. zool. Soc. Lond.* 10 : 580-632.
1355. Moore, F 1879. *Description of new lepidopterous insects from the collections of late Atkinson*. Asiatic Society of Bengal, Calcutta, 299 pp.
1356. Moore, F 1890-1907. *Lepidoptera Indica*. Vols. 1-7. Lovell Reeve & Co. Ltd., London, 1680 pp.
1357. Moore, J. C. and Tate, G. H. H. 1965. A study of the diurnal squirrels, Sciurinae of the Indian and Indo-Chinese subregions. *Fieldiana*, 48 : 1-351.
1358. Morgaret, P. 1980. *Littoral molluscs of Port Blair, South Andaman*. Government College, Port Blair, 28 pp.
1359. Morley, C. 1913. *The fauna of British India including Ceylon and Burma. Hymenoptera. Vol. III. Ichneumonidae*. Taylor and Francis Ltd., London, 531 pp.
1360. Mortensen, T 1939. Report on the Echinoidea of the Murray Expedition. Part I. *Scient. Rep. John Murray Exped.*, 6 : 1-28.
1361. Mortensen, T 1948. Report on the Echinoidea of the Murray Expedition. Part II. *Scient. Rep. John Murray Exped.*, 9 : 1-15.
1362. Moses, S. T 1947 Stranding of whales on the coasts of India. *J. Bombay nat. Hist. Soc.*, 47 : 377-379.
1363. Moust, F J. 1863. *Adventures and researches among the Andaman Islanders*. Hurst & Blackett, London, 367 pp.
1364. Moulton, D. 1929. Thysanoptera from India. *Rec. Indian*

Mus., 31 : 93-100.

1365. Movchan, D. A. 1973. Plankton studies in the coastal regions of the northern part of the Indian Ocean. *Soviet Fisheries Investigations in the Indian Ocean*, 1 : 62-67
1366. Mueller, J. 1861. Ueber die Gattung *Comatula* Lam. und ihre Arten. *Abh. preuss. Akad. Wiss.*, 1847 : 237-265.
1367. Muir-wood, H. M. 1953. Report on the Brachiopoda of the John Murray Expedition. *Scient. Rep. John Murray Exped.*, 10 : 285-315.
1368. Mujumdar, M. 1991. Aves. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 649-658.
1369. Mukhacheva, V A. 1974. Cyclothones (Gen. *Cyclothone*, Fam. Gonostomatidae) of the oceans and their distribution. *Trudy Inst. Okeanol.*, 96 : 189-254. (In Russian).
1370. Mukherjee, A. K. 1977 New distributional record of *Micrencaustes liturata* (Macleay) (Coleoptera : Erotylidae) from Andaman Islands. *Newsl. zool. Surv. India*, 3(2) : 88.
1371. Mukherjee, A. K. 1981. Status of the Andaman teal, *Anas gibberifrons albogularis* (Hume). *Proc. Wildlife workshop*, 121-122.
1372. Mukherjee, A. K. 1982. *Endangered animals of India*. Zoological Survey of India, Calcutta, 122 pp.
1373. Mukherjee, A. K. and Dasgupta, J. M. 1975. Taxonomic status of the Nicobar emerald dove, *Chalcophaps augusta* Bonaparte, 1850 (Aves : Columbidae) *Proc. zool. Soc., Calcutta*, 28 : 133-135.
1374. Mukherjee, S. K. and Samanta, T. K. 1977 Morphological variation of generic character in *Actinopyga mauritiana* (Quoy & Gaimard) (Holothuriidae, Echinodermata). *Newsl. zool. Surv. India*, 3 : 177-178.

1375. Mukherjee, S. P. and Hazra, A. K. 1985. Insecta : Dictyoptera : Blattaria. *Rec. zool. Surv. India*, 82 : 9-14.
1376. Mukherji, D. and Ribeiro, S. 1925. On a collection of ants (Formicidae) from the Andaman islands. *Rec. Indian Mus.*, 27(3) : 205-210.
1377. Mukherji, D. D. 1932. Biological observations on and instances of commensalism of an ophioid fish with schonoderms of the Andaman Islands. *Rec. Indian Mus.*, 34(4) : 567-570.
1378. Mukherji, D. D. 1933. On the validity of *Andamia cyclocheilus* Weber, with some observations on *Andamia heteroptera* (Bleeker). *Rec. Indian Mus.*, 35(1) : 121-123.
1379. Mukherji, D. D. 1935. Notes on some rare and interesting fishes from the Andaman Islands, with description of two new freshwater gobies. *Rec. Indian Mus.*, 37(3) : 250-279.
1380. Mukundan, C. 1968. Molluscs in Indian tradition and economy. *Proc. Symp. Mollusca. Mar. Biol. Ass. India*, 1 : 29-35.
1381. Munro, J. L. 1984. Coral reef fisheries and world fish production. *ICLARM News letter*, 7(4) : 3-4.
1382. Murthy, C. S., Das, P. K. and Gouveia, A. D. 1981. Some physical aspects of the surface waters around the Little Andaman Island. *Indian J. mar. Sci.*, 10(3) : 221-227
1383. Murthy, T S. N. 1974. Systematic index and bibliography to the uropeltid snakes of India and Srilanka. *Indian J. Zootomy*, 14(2) : 103-109.
1384. Murthy, T S. N. 1977. On sea snakes occurring in Madras waters. *J. mar. biol. Ass. India*, 19(1) : 68-72.
1385. Murthy, T S. N. 1978. The endangered reptiles of India. *Zoologiana*, 1 : 24-28.
1386. Murthy, T S. N. 1981. Turtles - their natural history, economic importance and conservation. *Zoologiana*, 4 : 57-65.

1387. Murthy, T S. N 1983. A historical resume and bibliography of the snakes of India. *The Snake*, 15 : 113-135.
1388. Murthy, T S. N. 1984 a. A historical resume and bibliography of Indian snakes. *The Snake*, 16(1) : 37-74.
1389. Murthy, T S. N. 1984 b. Herpetology in India. *Indian Rev. Life Sci.*, 4 : 87-102.
1390. Murthy, T S. N. 1985a. The common venomous snakes of India. *Everyday Science*, 30 : 31-36.
1391. Murthy, T S. N. 1985b. Classification and distribution of the reptiles on India. *The Snake*, 17 : 48-71.
1392. Murthy, T S. N. 1986a. *The snake book of India*. International Book Distributors, Dehra Dun, 101 pp.
1393. Murthy, T S. N. 1986b. Lizards. In : *Encyclopedia of Indian Natural History*. (Ed. R.E. Hawkins). Bombay Natural History Society, Bombay, 316-342.
1394. Murthy, T S. N. 1986c. Some suggestions for sea turtle research and conservation in India. *Geobios New Reports*, 5 : 76-77
1395. Murthy, T S. N. 1987 Curious reptiles of Andamans. *Science Reporter*, 18 : 32-36.
1396. Murthy, T S. N. 1988. An overview of the reptiles in the estuaries of India, with brief notes on their habits and distribution. *Brit. Herp. Soc. Bull.*, 24 : 17-19.
1397. Murthy, T S. N. 1989. A survey of the lizards of India. *Zoologiana*, 5 : 103-112.
1398. Murthy, T. S. N. 1990a. The lizards of India : An overview. *Brit. Herp. Soc. Bull.*, 31 : 39-43.
1399. Murthy, T S. N. 1990b. Venomous snakes of medical importance in India. In : *Snakes of medical importance of the Indo-Pacific Region*. (Eds. P. Gopalakrishnakone and L.M. Chou), National University Press, Singapore, 281-

297

1400. Murthy, T S. N. 1991a. Reptilia. In : *Animal Resources of India, : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 637-647
1401. Murthy, T S. N. 1991b. Marine reptiles of India : An overview. In : *Contributions in herpetology*. Greater Cincinnati Herpetological Society, U.S.A., 35-38.
1402. Murthy, T S. N. and Chakrapany, S. 1983. Rediscovery of the blind snake *Typhlops oatesii* in Andamans, India. *The Snake*, 15(1) : 48-49.
1403. Murthy, T S. N. and Menon, A.G.K. 1976. The turtle resources of India. *Seafood Export J.*, 8 (1) : 1-8.
1404. Murthy, T. S. N. and Menon, A.G.K. 1977 Conservation and utilisation of the crocodilian fauna of India. *Indian Forester*, 103(6) : 389-394.
1405. Murthy, T S. N. and Pillai, R.S. 1986a. Lizards. In : *Wildlife Wealth of India*, Ed. T.C Majupuria, Tecpress, Service, Bangkok, 210-223.
1406. Murthy, T. S. N. and Pillai, R.S. 1986b. Snakes. In : *Wildlife Wealth of India*. Ed. T.C. Majupuria. Tecpress Service, Bangkok, 224-245.
1407. Murthy, T S. N. and Pillai, R.S. 1968c. Turtles and tortoises. In : *Wildlife Wealth of India*. Ed. T.C. Majupuria. Tecpress Service, Bangkok, 246-255.
1408. Murthy, T S. N. and Rama Rao, K.V 1977 Sea snakes. *Everyday Science*, 22 : 22-29.
1409. Murthy, V S. 1969. Catalogue of fishes (excluding from the Laccadives) in the reference collections of the Central Marine Fisheries Research Institute. *Bull. cent. mar. Fish. Res. Inst.*, (10) : 1-36.
1410. Murthy, V S. 1982. On the fishes of the family Platycephalidae of the seas of India. *J. mar. biol. Ass. India*, 17(3) : 679-694.

1411. Mustafa, A.M. 1981. Fish and fisheries of Andaman and Nicobar Islands. *Dissertation C.I.F.E. Bombay*, 363 pp.
1412. Mustafa, A.M. 1983. Fisheries of the Andaman and Nicobar Islands. *ICLARM News letter, Philippines*, 6(4) : 7-9.
1413. Mustafa, A.M. 1985. Observations on the seed production of Indian major carps in Andamans by hypophysation. *J. Andaman Sci. Ass.*, 1 (2) : 86-92.
1414. Mustafa, A.M. 1986. New deep-sea spiny dog-fish shark resources of Andamans. *ICLARM Newsletter, Philippines*, 9(1) : 18-19.
1415. Mustafa, A.M. 1987 Observations on the hypophysation of *Labeo rohita* by human chorionic ganadotrophin in the Andamans. *J. Andaman Sci. Ass.*, 3(1) : 50-52.
1416. Mustafa, A.M. 1990a. Increasing enviornmental stress on the coral reef ecosystem around South Andaman. *J. Andaman Sci. Ass.*, 6(1) : 63-65.
1417. Mustafa, A.M. 1990b. *Linuparus andamanensis*, a new spearlobster from Andamans. *J. Andaman Sci. Ass.*, 6(2) : 177-180.
1418. Mustafa, A.M. 1990c. Coral reef degradation, conservation and management in Andamans – an overview. *Islands on March*, 2 : 104-106.
1419. Mustafa, A.M. and D'Silva, M.C. 1991. Sex and spawning of corals at Port Blair. *Islands on March*, 3 : 69-70.
1420. Mustafa, A.M., Dwivedi, S.N. and Abidi, S.A.H. 1987 A view towards a blue revolution in Andaman and Nicobar Islands Sea – present status and prospects. In : *Advances in Aquatic Biology and Fisheries*. (Ed. P. Natarajan). 1 : 207-224.
1421. Mustafa, A.M. Dwivedi, S.N., Warawdekar, Y.M., Abidi, S.A.H. and Raveendran, E.K. 1987 Endangered coral reefs of Bay Islands and their ornamental fishes. *Proc.*

Symp. coastal ecosystems and oceanic resources of Andamans, Port Blair. 1 : 60-65.

1422. Muzumdar, D. and Sharma, V 1991. Late Miocene planktonic Foraminifera from Baratang Island, Andaman Sea. *J. geol. Soc. India*, 37(5) : 482-491.

N

1423. Nafpaktitis, B.G. 1978. Systematics and distribution of lantern fishes of the genera *Lobianchia* and *Diaphus* (Myctophidae) in the Indian Ocean. *Nat. Hist. Mus. Los Angeles Country Sci. Bull.*, (30) : 1-92.
1424. Nagpal, B.N. and Sharma, V.P. 1983 a. Mosquitoes of Andaman Islands. *Indian J. Malar.*, 20(1) : 7-13.
1425. Nagpal, B.N. and Sharma, V.P. 1983 b. Morphological variations in a natural population of *Anopheles vague* Donitz (1902) collected from Andaman Islands. *Indian J. Malar.*, 20(1) : 35-44.
1426. Nagpal, B.N. and Sharma, V.P. 1983 c. Variations in ornamentation of palpi of *Anopheles sundaicus* Rodenwaldt (1925) collected from Andaman Islands, India. *Indian J. Malar.*, 20 (1) : 85-87
1427. Nair, G. K. 1958. Piscine wealth of the Andamans. *Andaman and Nicobar Information*, 1: 26-30.
1428. Nair, K. K. C. 1977 Distribution and relative abundance of paraphronimidae (Hyperiididae, Amphipoda) in the Indian Ocean. *Proc. Symp. Warm water Zooplankton, NIO, Goa*, 1 : 155-167
1429. Nair, K. K. C., George, J. and Rao, T.S.S. 1973. Distribution of certain planktonic crustaceans and the insect *Halobates* in the Indian Ocean. *Indian J. mar. Sci.*, 2 : 116-121.
1430. Nair, K. N. and Mahadevan, S. 1973. Chank resources of India. *Proc. Symp. Living resources of the seas around India*, 1 : 672-686.

1431. Nair, M. R. G. K. 1975. *Insects and mites of crops in India – Insects of Pulses and Vegetables*. Indian Council of Agricultural Research, New Delhi, 405 pp.
1432. Nair, N. B. 1965. Marine timber boring organisms of the Indian coast : Report on a collection from the South-east coast of India, with notes on distribution in the Indo-Pacific area. *J. Bombay nat. Hist. Soc.*, 62(1) : 120-131.
1433. Nair, N. B. 1984. The problem of marine timber distroying organisms along the Indian coasts. *Proc. Indian Acad. Sci.*, 93(3) : 203-223.
1434. Nair, N. B. and Dharmaraj, K. 1980. Wood-boring molluscs of the Palk Bay and the Gulf of Mannar. *Mahasagar*, 13(3) : 249-260.
1435. Nair, P. R 1982. Our fisheries potential and their exploitation. *The Daily Telegrams*. 15th Aug. (Spl. issue), 11-12.
- 1435a. Nair, P. V R. 1970. Primary productivity of the Indian Seas. *Bull. cent. mar. Fish. Res. Inst.*, 32 : 1-56.
1436. Nair, P. V R. and Pillai, V K. 1983. Productivity of the Indian seas. *J. mar. biol. Ass. India*, 25 : 41-50.
1437. Nair, P. V R. and Pillai, C. P. G. 1972. Primary production of some coral reefs in the Indian seas. *Proc. Symp. corals and coral reefs* : 33-42. *Mar. biol. Ass. India*.
1438. Nair, P. V. R., Samuel, S., Joseph, K. J. and Balachandran, V K. 1973. Primary production and potential fishery resources in the seas around India. *Proc. Symp. Living Resources of the seas around India*, 1 : 184-198.
1439. Nair, R. B. and Sadanandan, A. K. 1974. Giant African Snail, a pest of plantation crops in Andamans. *Arecanut and Spices Bull.*, 6(1) : 7-9.
1440. Nair, S. C. 1986. *Natural resources conservation and development in Andaman and Nicobar Islands*. Department of Enviornment, New Delhi, 75 pp.

1441. Nair, S. R. S., Parulekar, A. H. and Deasai, B. N. 1990. Research in the assessment and culture fisheries along the Indian coast. *Bull. cent. mar. Fish. Res. Inst.*, 44(2) : 297-305.
1442. Nair, V R. 1977 Cheetognaths of the Indian Ocean. *Proc. Symp. Warm Water Zooplankton, NIO, Goa*, 1 : 168-195.
1443. Nair, V. R. 1978. Bathymertic distribution of chactogtnths in the Indian Ocean. *Indian. J. mar. Sci.*, 8(93) : 276-282.
1444. Nair, V R., Achuthankutty, C. T., Nair, S. S. R. and Madhupratap, M. 1981. Chaetognatha of the Andaman Sea. *Indian J. mar. Sci.*, 10 (3) : 270-273.
1445. Nair, V.R., Rao, K. V and Dorairaj, K. 1970. The tunas and tuna-like fishes of India. *Bull. cent. mar. Fish. Res. Inst.*, (23) 1-93.
1446. Nair, V R., Rao K. V. and Mohan R. S. L. 1973. On a new deep-sea skate, *Rhinobatus variegatus*, with notes on the deep-sea sharks *Halaelurus hispidus*, *Eridacnis radcliffei* and *Engaleus omanensis* from the Gulf of Mannar. *Senck. enberg. biol.*, 54 71-80.
1447. Nakagome, J. 1958. Morphometric comparison of yellowfin tuna from the western, middle and eastern parts of the Indian Ocean. *Bull. Jap. Soc. Scient. Fish.*, 24 : 165-168.
1448. Nakagome, J. 1959. Annual and monthly variation of fishing conditions and distribution of black marlin in the Arabian Sea. *Bull. Jap. Soc. Scient. Fish.*, 25 : 421-432.
1449. Nandi, N. C. 1984. Index catalogue of avian fauna haematozoa from India. *Rec. zool. surv. India, Occ. paper*, 48 : 1-63.
1450. Nandi, N. C. and Mandal, A. K. 1980. *Haemoproteus megapodius* sp. nov. in *Megapodius abbotti* Obserholser (Megapodiidae) from the South Nicobar. *Rec. zool. Surv.*

India, 77 : 51-64.

1451. Nandi, N. C., Nandi, R. and Mandal, A. K. 1983. Index-catalogue and bibliography of protozoan parasites from Indian fishes. *Rec. zool. surv. India, Occ. paper*, 41 : 1-45.
1452. Nandi, B. C. 1989. Sarcophagid flies (Diptera : Sarcophagidae) from Bay Islands. *J. Andaman Sci. Ass.*, 5(2) : 117-126.
1453. Napier, J. R. and Napier, P. H. 1967. *A handbook of living primates* : Morphology, ecology and behaviour of non-human primates. Academic Press, New York, 560 pp.
1454. Narasimham, K. A. 1988. Taxonomy of the blood-clams *Andara* (Tegillarca), *Granosa* (Linnaeus) and *Rhombea* (Born). *J. mar. biol. Ass. India*, 30 : 200-205.
1455. Nath, B. and Chaturvedi, Y. 1975. On a collection of mammals from Andaman and Nicobar Islands. *Bull. Indian Mus.*, 8(1) : 44-49.
1456. Navas, L. 1912. Crisopidos y hemerobidos (Insectos : Neuropteros (Nuevos O criticos. *Broteria (Zool.)*, 10 : 98-103.
1457. Navas, L. 1929. Monografia de la familia de los Berotidos (Insectos : Neuropteros). *Acad. Cien. Exact. Fis-Quim. Nat. Zaragoza, Mem.*, 2 1-106.
1458. Nayar, K. N. and Appukuttan, K. K. 1983. *Turbo and Trochus* resources. *Bull. cent. mar. fish. Res. Inst.*, 34 : 81-84.
1459. Negi, S. S. 1991. *Handbook of National Parks, Sanctuaries and Biosphere Reserves in India*. Indus Publishing Company, New Delhi, 248 pp.
1460. Neiman, A. A. 1973. Shelf benthos in the northern part of the Indian Ocean. *Soviet Fisheries Investigations in the Indian Ocean*, 1 : 52-61.
1461. Nelson, G. and M. N. Rothman, 1973. The species of gizzard shades (Dorosomatinae) with particular reference

to the Indo-Pacific region. *Bull. Ann. Mus. nat. Hist.*, 150(2) : 131-206.

1462. Nelson, J. S. 1984. *The fishes of the world* (2nd ed.). John Wiley & Sons, New York, 423 pp.
1463. Nevill, G. 1878. *Handlist of Mollusca in the Indian Museum. Indian Museum, Calcutta*, 338 pp.
1464. Nevill, G. 1880. New species of brackish-water molluscs. *J. Asiat. Soc. Beng.*, 49(2) : 159-166.
1465. Nevill, G. 1881. New or little known molluscs of the Indo-Malayan fauna. *J. Asiat. Soc. Beng.*, 50(2) : 126-127
1466. Nevill, G. and Nevill, H. 1874. Descriptions of new marine Mollusca from the Indian Ocean. *J. Asiat. Soc. Beng.*, 43(2) : 21-30.
- 1466a. Nevill, G. and Nevill, H. 1875. Descriptions of new marine Mollusca from the Indian Ocean. *J. Asiat. Soc. Beng.*, 44(2) : 83-104.
1467. Nevill, J. C. and Sykes, E. R. 1897. Notes on a collection of marine shells from the Andaman Islands, with descriptions of new species. *Proc. Malac. Soc. Lond.*, 2 : 164-172.
1468. Nevill, J. C. and Sykes, E. R. 1899a. Notes on a second collection of marine shells from the Andaman Islands, with descriptions of new forms of *Terebra*. *Proc. Malac. Soc. Lond.*, 3 : 35-48.
1469. Nevill, J. C. and Sykes, E. R. 1899b. Notes on a third collection of marine shells from the Andaman islands, with descriptions of three new species of *Mitra*. *Proc. Malac. Soc. Lond.*, 3 : 220-229.
1470. New, T. R. 1977. Psocoptera of the Orinetal Region - A review. *Oriental Ins. Suppl.*, 6 : 1-87
1471. Nielsen, J. C. and Machida, Y. 1988. Revision of the Indo-Pacific bathyal fish genus *Glyptophidium* (Ophidiiformes : Ophidiidae). *Jap. J. Ichthyol.*, 35(3) : 289-319.

1472. Nielsen, J. S. 1966. Synopsis of the Ipnopidae (Pisces, Iniomi) with description of two new abyssal species. *Galathea Rep.*, 8 : 49-75.
1473. Nielsen, J. S. 1969. Systematics and biology of the Aphyonidae (Pisces, Ophidistidae) *Galathea Rep.*, 10 : 1-88.
1474. Nielsen, J. S. and Smith, D. G. 1978. The family Nemichthyidae. *Dana Rep.*, 88 : 1-71.
1475. Nigam, R. C. 1962. Onge of Little Andaman. *Vanyajati*, 10(2) : 44-53.
1476. Nilsson-Cantell, C. A. 1938. Cirripedes from the Indian Ocean in the collection of the Indian Museum, Calcutta. *Mem. Indian Mus.*, 13 : 1-81.
1477. Noble, A. 1982. Distribution of the Indian mackerel *Rastrelliger kanagurta* (Cuvier) along the coasts of India in 1979 and 1980. *Mar. Fish. Inf. Ser., CMFRI*, 36 : 7-15.
1478. Noble, A. 1985. The mackerel fishery-a short review. *Mar. Fish. Inf. Ser. CMFRI*, 63 : 1-6.
1479. Norman, J. R. 1926. A synopsis of the rays of the family Rhinobatidae with a revision of the genus *Rhinobatus*. *Proc. zool. Soc. Lond.*, 2 : 941-982.
1480. Norman, J. R. 1927. The flat-fishes (Heterostomata) of India, with a list of the specimens in the Indian Museum. Part I. *Rec. Indian Mus.*, 29 : 7-47.
1481. Norman, J. R. 1928. The flat fishes (Heterostomata) of India, with a list of the specimens in the Indian Museum. Part II. *Rec. Indian Mus.*, 30 : 173-215.
1482. Norman, J. R. 1929. The teleostean fishes of the family Chiasmodontidae. *Ann. Mag. nat. Hist.*, (10)3 : 529-544.
1483. Norman, J. R. 1934. *A systematic monograph of the flat fishes*. Vol. I. British Museum (Natural History), London, 459 pp.

1484. Noronha, R. J., Moraes, C. and Sengupta, R. 1981. Calcium, magnesium and flouride concentrations in the Andaman Sea. *Indian J. mar. Sci.*, 10 : 234-237

O

1485. Oates, E. W 1889. *The fauna of British India including Ceylon and Burma. Birds. Vol. I.* Taylor and Francis Ltd., London, 556 pp.
1486. Oates, E. W 1890. *The fauna of British India including Ceylon and Burma. Birds. Vol. II.* Taylor Francis Ltd., 407 pp.
1487. Ochs, G. 1925. Descriptions of new Asiatic Gyrinidae. *Rec. Indian Mus.*, 27(3) : 193-204.
1488. Osmaston, B. B. 1905. A visit to Narcondam Island. *J. Bombay nat. Hist. Soc.*, 16(4) : 620-622.
1489. Osmaston, B. B. 1906a. Notes on Andaman birds with accounts of the identification of several species whose nests and eggs have not been hitherto described. Part. I. *J. Bombay nat. Hist. Soc.*, 17(1) : 156-173.
1490. Osmaston, B. B. 1906b. Notes on some Andaman birds, with accounts of identification of several species. Part II. *J. Bombay nat. Hist. Soc.*, 17(2) : 486-491.
1491. Osmaston, B. B. 1906c. Mangroves and parakeets. *J. Bombay nat. Hist. Soc.*, 17 : 240-242.
1492. Osmaston, B. B. 1907 A visit to Sentinel Island. *J. Bombay nat. Hist. Soc.*, 18 : 201-202.
1493. Osmaston, B. B. 1908. A visit to Barren Island, Andamans. *J. Bombay nat. Hist. Soc.*, 18 : 357-359.
1494. Osmaston, B. B. 1933. Some Andaman birds. *J. Bombay nat. Hist. Soc.*, 35(4) : 891-893.
1495. Oswald, A. 1965. Wildlife in the Andaman and Nicobar Islands. *Wild. Bull.*, 24 : 18-21.

1496. Ota, H., Hikida, T and Matsui, M. 1991. Reevaluation of the status of *Gekko verreauxi* Tytler 1864 from the Andaman Islands, India. *J. Herpetology*, 25(2) 147-151.

P

- 1497 Paiva, C. A. 1908. Notes on some chrysomelid beetles in the collection of the Indian Museum. *Rec. Indian Mus.*, 2(4) : 401-408.
1498. Pal, R. N. 1985. Animal husbandry in the Andaman and Nicobar Islands. *J. Andaman Sci. Ass.*, 1(1) : 38-44.
1499. Pal, R. N. and Ahlawat, S. P. S. 1986. Studies on the performance of local Andaman goats. *J. Andaman Sci. Ass.*, 2(1) : 51-53.
1500. Pal, R. N. and Balakrishnan, P. 1987. Incidence of gastrointestinal parasites of cattle in the Andaman. *J. Andaman Sci. Ass.*, 3(1) : 8-13.
1501. Pal, R. N., Biswas, P. K. and Gupta, I. D. 1989. Effective treatment of stephanofilarial dermatitis in cattle. *Tropic. Agric.*, 66(2) : 176-177
1502. Pal, R. N. and Gupta, I. D. 1988. Humpsore - A profile survey on incidence. *J. Andaman Sci. Ass.*, 4(1) : 58-60.
1503. Pal, R. N., Loknathan, K. G., Gajja, B. L. and Nagarajan, V 1988. Performance of cross-bred cows in Andamans. *J. Andaman Sci. Ass.*, 4(2) : 147-148.
1504. Pal, T. K. and Datta, A. K. 1982. Inopeplidae (Coleoptera) from Andaman Islands, India. *Rec. zool. Surv. India*, 79 : 469-473.
1505. Pande, P., Kothari, A. and Singh, S. 1991. *Directory of national parks and sanctuaries in Andaman and Nicobar Islands*. Indian Institute of Public Administration, New Delhi, 171 pp.
1506. Pandey, D. N. 1986. Utilization of natural resources as

handicrafts of Shompens. *Hum. Sci.*, 35 : 318-327

1507. Pandit, T. N. 1989. Andaman and Nicobar Islands. The human ecological angle. In : *Andaman, Nicobar and Lakshadweep an enviornmental impact assessment*. (Ed. C. J. Saldanha). Oxford & IBH Publishing Co., New Delhi, 1 : 89-93.
1508. Panikkar, N. K. 1938. Recent researches on *Trochus*. *Curr. Sci.*, 6 : 552-553.
1509. Panikkar, N. K. 1952. Fisheries research in India. *J. Bombay nat. Hist. Soc.*, 50 : 742-765.
1510. Panikkar, N. K. 1963. The Indian Ocean Expedition. *Curr. Sci.*, 32(2) : 49-53.
1511. Panikkar, N. K. 1964. Exploring the Indian Ocean. *Sci. Reporter*, 1(2) : 57-61.
1512. Panikkar, N. K. 1966. Fishery resources of the Indian Ocean. *Curr. Sci.*, 35 : 451-455.
1513. Panikkar, N. K. 1967. Fishery resources of the Indian Ocean. *Proc. Symp. Indian Ocean, N. I. S. I. Bulletin*, 38(2) : 811-832.
1514. Pant, A. 1981. Primary and extracellular production in the Andaman Sea. *Indian J. mar. Sci.*, 10 : 253-257
1515. Pant, S. C. and Misra, R. S. 1976. Discoasters from Wilson Island, Ritchie's Archipelago, Andamans. *Proc. Indian Coll. Micopal. Strat.*, 1 : 206-213.
1516. Pant, S. C., Rao, B. R. J. and Chatterjee, A. K. 1964. A note on the radiolarians from havelock Island, Ritchie's Archipelago, Andaman Islands. *Indian Miner., Calcutta*, 16 : 72-73.
1517. Pao, C. Y. 1972. *Report to the Government of India on tuna long-line development in India*. FAO/UNDP, No. 3074 : 1-8.
1518. Parin, N. V. 1967. *Review of the marine needle-fishes of*

- the Western Pacific and Indian Oceans. Trudy Inst, Okeanol.*, 84 : 3-83. (Russian, NMFS Translation N. 68).
1519. Parin, N. V., Collette, B. B. and Y. N. Shcherbacher, 1980. Preliminary review of the marine halfbeaks (Hemiramphidae, Beloniformes) of the tropical Indo-West Pacific. *Trans. P. P. Shirshov. Inst. Okeanol.*, 97 : 7-173.
1520. Parin, N. V. and Novikora, N. 1974. Taxonomy of viperfishes Chauliodontidae, Osteichthyes and their distribution in the world oceans. *Trudy Inst. Okeanol.*, 96 : 255-315 (In Russian).
1521. Parker, H. W. 1934. *A monograph of the frogs of the family Microhylidae*. British Museum (Natural History), London, 162 pp.
1522. Parulekar, A. H. 1985. Benthic exploration and potential demersal fishery resources of the Indian Ocean. In *The Oceans : The realities and prospects*. (Ed. R. C. Sharma). Rajesh Publications, Delhi, 123-129.
- 1522a. Parulekar, A. H. 1990. Taxonomy in biomedical resources of the Exclusive Economic Zone of India. In : *Taxonomy in Environment & Biology*, Zoological Survey of India, Calcutta, 49-57
1523. Parulekar, A. H. and Ansari, Z. A. 1981. Benthic macrofauna of the Andaman Sea. *Indian J. mar. Sci.*, 10(3) : 280-284.
1524. Parulekar, A. H., Harkantra, S. A. and Ansari, Z. A. 1982. Benthic production and assessment of demersal fishery resources of the Indian seas. *Indian J. mar. Sci.*, 11(2) : 107-114.
1525. Pathmarajah, M. 1982. Pollution and the marine environment in the Indian Ocean. *UNEP Regional Seas Reports*, 13 : 1-153.
1526. Patrick, R. K. 1907. Description of a new dictyonine sponge from Indian Ocean. *Rec. Indian Mus.*, 2 : 21-24.

- 1527 Pattanayak, J. G. 1991. Freshwater Porifera. In : *Animal Resources of India : Protozoa to Mammalia : State of Art*. Zoological Survey of India, Calcutta, 1 : 31-34.
1528. Paulinose, V T 1979. Decapod Crustacea from the Internationaal Indian Ocean Expedition (Larvae and postlarvae stages of *Parapenaeus* Smith). *J. nat. Hist.*, 13 : 599-618.
1529. Paulinose, V T 1982. Key to the identification of larvae and post larvae of the penaeid prawns (Decapoda, Penaeidae) of the Indian Ocean. *Mahasagar*, 15(4) : 223-229.
1530. Paulinose, V T 1986. Larval and post larval stages of *Atypopenaeus* Alcock (Decapoda, Penaeidae) from Indian Ocean. *Mahasagar*, 19(4) : 257-264.
1531. Paulinose, V T and George, M. J. 1976. Abundance and distribution of penaeid larvae as an index of penaeid prawn resources of the Indian Ocean. *Indian J. Fish.*, 23 : 127-133.
1532. Penney, J. T and Racek, A. A. 1968. Comprehensive revision of a worldwide collection of freshwater sponges (Porifera : Spongillidae). *Bull. U.S. natn. Mus.*, 272 : 1-184.
1533. Peter, G. 1977 Distribution of three species of pelagic polychaetes in the Indian Ocean. *Proc. Symp. Warm Water Zooplankton, NIO, Goa*, 1 : 87-92.
- 1533a. Peters, J. L. 1931. *Check-list of the birds of the world*. Harward University Press, Cambridge, 506 pp.
1534. Pillai, C. S. G. 1967 Catalogue of corals in the reference collections of C. M. F R. Institute. *Bull. cent. mar. Fish. Res. Inst.*, 7 : 23-30.
1535. Pillai, C. S. G. 1969. Studies on Indian corals-5. Preliminary records of hermatypic corals of the suborder Astrocoeniina. *J. mar. biol. Ass. India*, 9 : 412-422.

1536. Pillai, C. S. G. 1972. Stony corals of the seas around India. *Proc. Symp. Corals and coral reefs. Mar. Biol. Ass. India*, 1 : 191-216.
- 1537 Pillai, C. S. G. 1973. Coral resources of India with special reference to Palk Bay and Gulf of Mannar. *Proc. Symp. Living Resources of the seas around India, Cochin*, 1 : 700-705.
1538. Pillai, C. S. G. 1978. *Stony corals of the Andaman and Nicobar Islands*. Central Marine Fisheries Research Institute, Cochin, 14 pp.
1539. Pillai, C. S. G. 1983a. Structure and generic diversity of recent Scleractinia of India. *J. mar. biol. Ass. India*, 25 : 78-90.
1540. Pillai, C. S. G. 1983b. Coral reefs and their environs. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 36-43.
1541. Pillai, C. S. G. 1991. Scleractinia. In: *Animal resources of India : Protozoa to Mammalia : State of Art*. Zoological Survey of India, Calcutta, 1 : 41-47
1542. Pillai, C. S. G., James, D. B. and Gopakumar, G. 1989. *Report on the survey of coral reefs, bait fishes and Acanthaster planci in the Marine National Park and adjacent waters in South Andamans*. Central Marine Fisheries Research Institute, Cochin, 14 pp.
1543. Pillai, K. 1973. *Mysidacea of the Indian Ocean*. International Indian Ocean Expedition. Handbook of Zooplankton Collection, 6 : 1-126.
1544. Pillai, N. K. 1967 A review of the work on the shallow water Mysidacea of the Indian waters. *Proc. Symp. Crustacea, Mar. Biol. Ass. India*, 2 : 1681-1728.
1545. Pillai, N. K. 1968. A revision of the genus *Mesopodopsis* (Crustacea Mysidacea). *J. zool. Soc. India*, 20 : 6-24.
1546. Pillai, N. K. 1985. *Parasitic copepods of marine fishes. Fauna of India*. Zoological Survey of India, Calcutta, 900

pp.

- 1547 Pillai, P. P. 1968. *Calanopia seymouri* sp. nov. (Copepoda : Calanoida) from the Andaman Sea. *Curr. Sci.*, 38(13) : 317-319.
1548. Pillai, P. P. 1970. *Pseudodiaptomus jonensi*, a new calanoid copepod from Indian waters. *Curr. Sci.*, 39 : 78-80.
1549. Pillai, P. P. 1976. A review of the copepod calanoid family Pseudodiaptomidae with remarks on the taxonomy and distribution of the species from the Indian Ocean. *J. mar. bio. Ass. India*, 18(2) : 242-265.
1550. Pillai, P. P. and Silas, E. G. 1979. Distribution and biology of the skipjack tuna *Katsuwonus pelamis* (Linnaeus) taken by the longline fishery in the Indian Ocean. *J. mar. biol. Ass. India*, 21 : 147-170.
1551. Pillai, P. P. and Ueyanagi, S. 1978. Distribution and biology of the striped marlin *Tetrapturus auxad* (Philippi) taken by the longline fishery in the Indian Ocean. *Bull. Far. Seas Fish. Res. Lab.*, 16 : 9-32.
1552. Pillai, R. S. 1977 On two frogs of the family Microhylidae from Andamans including a new species. *Proc. Indian Acad. Sci.*, 86 : 135-138.
1553. Pillai, R. S. 1990. Contribution to the Amphibian fauna of Andaman and Nicobar Islands with a new record of the mangrove frog *Rana cancrivora*. *Rec. zool. Surv. India*, 88(1) : 41-44.
1554. Pillai, R. S. and Murthy, T. S. N. 1986. Amphibia. In : *Wildlife Wealth of India*. Ed. T. C. Majumuria. Tecpress Service, Bangkok, 186-223.
1555. Pillai, S. R. 1962a. A revision of the Indian Mugilidae. Part I. *J. Bombay nat. Hist. Soc.*, 59(1) : 254-270.
1556. Pillai, S. R. 1962b. A revision of Indian Mugilidae. Part II. *J. Bombay nat. Hist. Soc.*, 59(2) : 547-576.

1557. Pimento, R. J. 1972. Some notes on the sea snake *Laticauda colubrina* (Schneider). *J. Bombay nat. Hist. Soc.*, 69(1) : 191-192.
1558. Piyakaranchana, T 1985. Protected endangered species in Thailand with special emphasis on marine species. *Proc. Symp. Endangered Marine Animals and Marine Parks*, 1 : 331-336.
1559. Pocock, R. I. 1900. *The fauna of British India including Ceylon and Burma. Arachnida*. Taylor and Francis Ltd., London, 279 pp.
1560. Pocock, R. I. 1939. *The fauna of British India, including Ceylon and Burma : Mammalia*. Vol. I. Taylor and Francis Ltd., London, 464 pp.
1561. Pocock, R. I. 1941. *The fauna of British India, including Ceylon and Burma : Mammalia*. Vol. II. Taylor and Francis Ltd., London, 504 pp.
1562. Polunin, N V C. and Lubbock, R. 1979. Five new prawns associated gobies (Teleostei : Gobiidae) of the genus *Amblyeliotris*. *Bull. Br. Mus. nat. Hist. (Zool.)*. 36(4) : 239-249.
1563. Portman, M. V 1896. *Stray papers on the Andamanese and Nicobarese*. Harrison & Sons, London, 182 pp.
1564. Poss, S. G. and Eschmeyer, W N. 1980. *Xenaploactis*, a new genus for *Prosopodasys asperrimus* Gunther (Pisces : Aploactinidae), with descriptions of two new species. *Proc. Calif. Acad. Sci.*, 42(8) : 287-293.
1565. Pradhan, K. S. 1976. On the occurrence of *Ptilomera* Amoyt and Serville (Hemiptera : Gerridae : Ptilomerinae) in the Andaman Islands. *Newsl. zool. Surv. India*, 2(1) : 5-6.
1566. Prain, D. 1892. Remarks on the fauna Narcondom Island. *Proc. Asiat. Soc. Beng.*, 59 : 172-174.
1567. Prasad, M. 1991. Diplopoda. In : *Animal Resources of*

India : Protozoa to Mammalia. Zoological Survey of India, Calcutta, 1 : 457-459.

1568. Prasad, R. and Singh, A. 1972. Drosophilid survey of India IV The Drosophilidae of South Andamans. *Res. Bull. Punjab Univ. (Sci.) NS* ; 22(2-4) : 385-399.
1569. Prasad, R. R. 1960. Vityaz expedition to the Indian Ocean. *J. mar. biol. Ass. India*, 2 : 1-5.
1570. Prasad, R. R. 1961. International Indian Ocean Expedition. *J. scient. Ind. Res.*, 204 : 5-8.
1571. Prasad, R. R., Banerjee, S. K. and Nair, P. V R. 1970. A quantitative assessment of the potential fishery resources of the Indian Ocean and adjoining seas. *Indian J. Anim. Sci.*, 40 : 73-98.
1572. Prasad, R. R. and Nair, P. V R. 1973. India and the Indian Ocean fisheries. *J. mar. biol. Ass. India*, 15(1) : 1-19.
1573. Prasad, R. R. and Tampi, P R. S. 1965. A preliminary report on the phyllosomas of the Indian Ocean collected by the Dana Expedition 1928-30. *J. mar. biol. Ass. India*, 7(2) : 277-283.
1574. Prasad, R. R. and Tampi, P. R. S. 1968. Distribution of palinurid and scyllarid lobsters in the Indian Ocean. *J. mar. biol. Ass. India*, 10(1) : 78-87
1575. Prasad, S. N. and Abbas, S. R. 1966. Survey of gall-midge infection in mango inflorescence. *Cecidologia Indica*, 1(1) : 21-24.
1576. Prasad, V 1974. *A catalogue of mites of India*. Indira Publishing House, Ludhiana, 320 pp.
1577. Prashad, B. 1919. Zoological results of a tour in the far east : Echiuroids from brackish water with the description of new marine species from the Andamans. *Mem. Asiat. Soc. Beng.*, 6 : 321-338.
1578. Prashad, B. 1921. Notes on lamellibranchs in Indian

- Museum. *Rec. Indian Mus.*, 22(2) : 139-149.
1579. Prashad, B. 1936. On the Sipunculoidea from Indian waters in the Indian museum, Calcutta. *Rec. Indian Mus.*, 38(2) : 231-238.
- 1579a. Prashad, B. and Bhaduri, J. L. 1933. The pearl oysters of Indian waters. *Rec. Indian Mus.*, 35(2) : 167-174.
1580. Prashad, B. and Rao, H. S. 1933. Notes on the bionomics of *Trochus niloticus* Linnaeus I. On a new species of *Spiroglyphys* (Vermetidae) from the Andamans. *Rec. Indian Mus.*, 35(4) : 167-174.
1581. Prashad, B. and Rao, H. S. 1934. Notes on the bionomics of *Trochus niloticus* Linnaeus II. On two new limpet-like Gastropoda from the Andaman waters. *Rec. Indian Mus.*, 36(1) : 1-4.
1582. Prater, S. H. 1965. *The book of Indian animals*. Bombay Natural History Society, Bombay. 426 pp.
1583. Premkumar, V K. 1971. The distribution of Portunidae (Crustacea, Decapoda, Brachyura) in the Indian Ocean. *Symp. Indian Ocean and adjacent seas, Cochin*. Abstract No. 166.
1584. Premkumar, V K. and Daniel, A. 1972. Crustaceans of economic value of Great Nicobar Island. 2. Decapoda : Brachyura : Portunidae. *J. zool. Soc. India*, 23(2) : 109-112.
1585. Premkumar, V K. and Daniel, A. 1975. Distribution pattern of the economically important spiny lobsters of the genus *Panulirus* White, in the Indian Ocean. *J. mar. biol. Ass. India*, 27 : 36-40.
1586. Preston, H. B. 1908. Discriptions of new species of land, marine and freshwater shells from the Andaman Islands. *Rec. Indian Mus.*, 2(2) : 187-210.
1587. Preston, H. B. 1912. On a new genus and species of marine parasitic gastropod from the Indian region. *Rec.*

Indian Mus., 7(2) : 126-127

1588. Preston, H. B. 1915. *The fauna of British India, including Ceylon and Burma. Mollusca (Freshwater Gastropoda and Pelecypoda)*. Taylor and Francis Ltd., London, 224 pp.
1589. Preston, H. B. 1916. Report on a small collection of marine Mollusca dredged in shallow water in the Andaman Islands. *Rec. Indian Mus.*, 12 : 87-100.
1590. Pretzmann, G. 1984. Results of the Austrian-Indian Hydrobiological Mission 1976 to the Andaman Islands. Part III. Brachyura from the Andaman Islands. *Annln naturh. Mus. Wien*, 86 : 141-144.
1591. Pritchard, P. C. H. 1967 *Living turtles of the world*. T. F H. Publications, New Jersey, U. S. A., 288 pp.
1592. Pyne, J., Francis, C. M. and Phillips, K. 1985. *A field guide to the mammals of Borneo*. The Sabha Society, Kuala Lumpur, 216 pp.

Q

1593. Qasim, S. Z. 1977a. Contribution of zooplankton in the food chains of some warm water environments. *Proc. Symp. Warm Water Zooplankton, NIO, Goa*, 1 : 700-708.
1594. Qasim, S. Z. 1977b. Biological productivity of the Indian Ocean. *Indian J. mar. Sci.*, 6 : 122-137
1595. Qasim, S. Z. 1990. Oceanographic research in India. *Proc. Symp. Taxonomy in Environment and Biology, Z. S. I., Calcutta*, 1 : 21-33.
1596. Qasim, S. Z. and Ansari, S. A. 1981. Food components of the Andaman Sea. *Indian J. mar. Sci.*, 10 : 276-279.
1597. Qasim, S. Z. and Kureishy, T. W. 1986. Biological diversity in the seas around India : Present status and major threats. *Proc. Indian. Acad. Sci.*, Supplement, 1-17

R

1598. Radcliffe-Brown, A.R. 1948. *The Andaman Islanders*. The Free Press, Glencoe-Illinois, 218 pp.
1599. Radhadevi, A. and Kurian, C.V 1980 Report on the International Indian Ocean Expedition collections of Cumacea in the Smithsonian Institution, Washington. *J. mar. biol. Ass. India*, 22 : 110-122.
1600. Radhadevi, A. and Kurian, C.V 1986. Cumacea of the Isreal South Red Sea Expedition, 1926. *Rec. zool. Surv. India*, 83 : 13-18.
1601. Radhakrishnan, C. 1991. Diptera : Tephritidae. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 407-411.
1602. Raghunathan, M. B. 1976. Edible molluscs of India. *Seafd. Export J.*, 6(9) : 29-32.
1603. Rai, R. B. and Ahlawat, S. P. S. 1990. Menace of Stephanofilariasis (Humpsore) in Bay Islands. *CARI, Technical Bull.*, 2 : 1-12.
1604. Rai, R. B. and Ahlawat, S. P. S. 1991. Meningo-enacephalitis associated with scours in neonatal calves. *J. Andaman Sci. Ass.*, 7(2) : 26-29.
1605. Rai, R. B., Nagarajan, V and Singh, N. P. 1990. Cattle production and animal disease control strategy for Andaman & Nicobar Islands. *Islands on March*, 2 : 54-57
1606. Rai, R. B., Pal, R. N. and Shah, P. 1990. Prevalence and stretegy to control Stephanofilariasis in cattle of Andamans. *J. Andaman Sci. Assoc.*, 6(1) : 32-34.
1607. Rai, R. B., Poddar, N. G., Nagarajan, V and Ahlawat, S. P. S. 1989. Intussusception in poultry – case study. *J. Andaman Sci. Assoc.*, 5(2) : 155.
1608. Rai, R. B., Poddar, N.G., Pal, R. N. and Nagarajan, V 1989. Mortality pattern and incidence of poultry disease in Andamans. *Indian J. Poultry Sci.*, 24 : 8-11.

1609. Rai, R. B., Poddar, N. G., Pal, R. N. and Nagarajan, V 1990. Incidence of Lymphoid leukosis in a poultry farm in Andamans. *Indian Vet. Med. J.*, 14 : 139-140.
1610. Rai, R. B., Singh, N. P. and Nagarajan, V 1990. Poultry production in Bay Islands. *Islands on March*, 2 : 84-86.
1611. Rai, R. B., Srivastava, N., Nagarajan, V and Bandopadhyay, A. K. 1990. Status of livestock diseases in Andaman and Nicobar Islands. *CARI Research Bull.*, 5 : 1-29.
1612. Rai, R. B., Srivastava, N. and Saha, P. 1991. Bovine papillomatosis in Andaman and Nicobar Islands. *Indian Vet. med. J.*, 15(1) : 38-42.
1613. Rajagopal, A. S. 1977 New host records and observations on the epizoic gastropod *Saptadanta nasika* Prashad and Rao. *Rec. zool. Surv. India*, 73(1-4) : 271-275.
1614. Rajagopal, A. S. and Daniel, A. 1973. Boring organisms of the Great Nicobar Island (Mollusca : Teredinidae). *J. Bombay nat. Hist. Soc.*, 69(3) : 676-678.
1615. Rajagopal, A. S. and Mitra, S. C. 1978. A note on the status of the type specimens of *Conus pretiosus* and *Conus seychellensis* G & H Nevill (Gastropoda : Conidae). *Malacological Review*, 11 : 61-62.
1616. Rajagopal, A. S. and Mookherjee, H. P 1978. Contributions to the molluscan fauna Archeogastropoda. *Rec. zool. Surv. India, Occ. Paper*, 12 : 1-48.
1617. Rajagopal, A. S. and Subba Rao, N. V 1974. On chitons from the Andaman and Nicobar Islands. *J. mar. biol. Ass. India*, 16(2) : 398-411.
1618. Rajagopalan, M. 1984. Value of sea turtles to India. *Proc. Workshop Sea turtle conservation, Cochin*, 1 : 49-57
1619. Raju, B. L., Raju, G. V S., Reddy, M. C., Rao, D. V., Rao, C. B. S. and Raju, V S. N. 1991. Polyhydroxysterols from the soft coral *Sarcophytum subviridis* of Andaman and

Nicobar coasts. *J. Nat. Prod.*, 55: 318-322.

1620. Rajyalakshmi, T. 1985. A revision of esuarine Macrura (Penaeidae) of India. *Workshop on estuarine biology, Berhampur*, 77 pp.
1621. Ramadoss, K. 1983a. Edible oyster resources and culture potential. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 69-71.
1622. Ramadoss, K. 1983b. Giant clam (*Tridacna*) resources. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 79-80.
1623. Ramakrishna, G. 1975. Results of fifty years of faunistic survey on Indian isopods. *Rec. zool. Surv. India*, 68 : 297-303.
1624. Ramamurthy, M., Venkatesh, K. V and Narasimham, C. V L. 1979. Organic matter in sediments of northeastern Andamans. *Indian J. mar. Sci.*, 8(3) : 176-179.
1625. Ramaraju, D. V., Gouveia, A. D. and Murty, C. S. 1981. Some physical characteristics of Andaman Sea waters during winter. *Indian J. mar. Sci.* 10 : 211-218.
1626. Rama Rao, K. V 1971. Some suggestions for the betterment of Indian fishing industry and fishermen. *Seafood Export J.*, 3(9) : 31-34.
1627. Rama Rao, K. V 1973. An abnormal globe-fish *Tetradon reticularis* Bloch and Schneider from Great Nicobar Island. *Ichthyologica*, 10 (1-2) : 36-37
1628. Rama Rao, K. V 1976. Brotulid fishes of the neretic waters of the North Central Indian Ocean. *J. mar. biol. Ass. India*, 18(3) : 509-515.
1629. Rama Rao, K. V 1977. Fishes of the subfamilies Setarchinae and Apistinae (Scorpionidae) from Indian waters. *Rec. zool. Surv. India*, 72 : 39-50.
1630. Rama Rao, K. V and Lalmohan, R. S. 1975. Humpbacked scorpion fishes of the genus *Scorpaenopsis* from the seas around India. *All India Congr. Zool.*, 3 : 76 (Abstract).

1631. Rameshbabu, V and Sastry, J. S. 1976. Hydrography of Andaman Sea during winter. *Indian J. mar. Sci.*, 5 : 179-189.
1632. Randall, J. E. 1955. A revision of the surgeonfish genus *Ctenochaetus*, family Acanthuridae, with descriptions of five new species. *Zoologica*, 40 : 149-166.
1633. Randall, J. E. 1956. A revision of the surgeonfish genus *Acanthurus*. *Pacif. Sci.*, 10(2) : 159-235.
1634. Randall, J. E. 1958. A review of the labrid genus *Labroides*, with description of two new species and notes on ecology. *Pacif. Sci.*, 12(4) : 327-347
1635. Randall, J. E. 1963. Review of the hawkfishes (family Cirrhitidae). *Proc. U. S. natn. Mus.*, 114 : 389-451.
1636. Randall, J. E. 1972. A revision of the labrid fish genus *Anampses*. *Micronesica*, 8 : 151-195.
1637. Randall, J. E. 1981. A review of the IndoPacific sand filefish. *Freshw. Marine Ag.*, 4 (12) : 39-46.
1638. Randall, J. E. 1987. A preliminary synopsis of the groupers (Perciformes : Serranidae : Epinephelinae) of the Indo-Pacific region. In : J. J. Polovins and S. Ralston (Eds). *Tropical Snappers and Groupers. Biology and Fisheries Management*. Westview Press, Boulder and London, 510-660.
1639. Randall, J. E. and Allen, G. R. 1977. A revision of the damselfish *Dascyllus* (Pomacentridae) with description of a new species. *Rec. Aust. Mus.*, 31(9) : 349-385.
1640. Randall, J. E. and House, D. F. 1985. Revision of the Indo-Pacific dart fishes, genus *Ptereleotris* (Perciformes : Gobioidae). *Indo-Pacific Fishes*, 7 : 1-36.
1641. Randall, J. E. and House, O. F. 1990. Revision of the groupers of the Indo-Pacific genus *Plectropomus* (Perciformes : Serranidae). *Indo-Pacific Fishes*, 12 : 1-54.
1642. Randall, J. E. and Klansewitz, W. 1973. A review of the

triggerfish genus *Melichthys* with description of a new species from the Indian Ocean. *Sneckenturg. biol.* 54 (1/3) : 57-69.

1643. Randall, J. E., Shimizu, T. and Yamakawa, T 1982. A revision of the holocentrid fish genus *Ostichthys*, with description of four new species and a related new genus. *Jap. J. Ichthyol.*, 29(1) : 1-26.
1644. Ranganath, H. R., Belavadi, V V and Prashant, M. 1987a. Development of the pulse-beetle, *Callosobruchus analis* (F) (Coleoptera : Bruchidae) in five hosts. *J. Andaman Sci. Ass.*, 3(2) : 113-118.
1645. Ranganath, H. R., Belavadi, V V and Prashant, M. 1987b. Efficacy of Ajwain (*Trachyspermum ammi* L.) as a protectant of stored pulses against bruchids. *J. Andaman Sci. Ass.*, 3(2) : 138-139.
1646. Rangarajan, K. 1967. *Aulacocephalus temmincki* Bleeker (Pisces : Serranidae) : A new record from the Andaman Sea. *J. mar. biol. Ass. India*, 9(2) : 442-444.
1647. Rangarajan, K. 1970. Food and feeding habits of the snapper, *Lutjanus kasmira* (Forakal) from the Andaman Sea. *Indian J. Fish.*, 17(1-2) : 43-52.
1648. Rangarajan, K. 1972a. Maturity and spawning of the snapper, *Lutjanua kasmira* (Forakal) from the Andaman Sea. *Indian J. Fish.*, 18(1-2) : 114-125.
1649. Rangarajan, K. 1972b. On the occurrence of *Malacanthus hoedtii* Bleeker (Family : Malacanthidae) in the Andaman Sea. *Indian J. Fish.*, 19(1-2) : 183-185.
1650. Rangarajan, K. and Marichamy, R. 1972. Seasonal changes in the temperature, salinity and plankton volume at Port Blair, Andamans. *Indian J. Fish.*, 19(1-2) : 60-69.
1651. Rao, C. A. N. and Soota, T. D. 1977 On the occurrence of *Poecilochaetus serpens* Allen (Polychaeta : Poecilochaetidae) in the Andaman and Nicobar Islands. *Newsl. zool. Surv. India*, 3(6) : 346-347

1652. Rao, C. B. S., Raju, K. S. H. S. N., Trimurthulu, G and Rao, D. V 1991. Metabolites of Porifera : New 24-methyl scalaranes from *Phyllospongia dendyi* Lendenfeld of Indian Ocean. *J. Nat. Prod.*, 54 : 364-371.
1653. Rao, C. H. V., Kumar, S. M. D., Trimurtulu, G. and Rao, D. V 1990. A new lobane diterpene from an alcyonarian of *Sclerophytum* species of the Indian Ocean. *Indian J. Chem.*, 29(7) : 681-682.
1654. Rao, C. H. V and Rao, C. H. V L. 1990. Matabolites of the soft coral of a *Sclerophytum* species in the Indian Ocean. *Indian J. Chem.*, 29(6) : 588-589.
1655. Rao, D. V., Rao, T S. and Rao, C. B.S. 1990. Bioactive metabolites from a soft coral of *Sclerophytum* sp. of Andaman & Nicobar coasts. *Indian J. Chem.*, 297 : 683-684.
1656. Rao, D. V., Rao, T S. and Rao, C. H. V 1990. Bioactive metabolites from a soft coral *Sclerophytum* sp. of Andaman and Nicobar coasts. *Indian J. Chem.*, 29(7) : 685-686.
1657. Rao, G. C. 1970a. On the occurrence of interstitial fauna in the intertidal sands of some Andaman and Nicobar group of Islands. *Curr. Sci.*, 39 : 251-252.
1658. Rao, G. C. 1970b. On some interstitial fauna in the marine sands on Indian coast. *Curr. Sci.*, 39 : 504-507
1659. Rao, G. C. 1971a. On sand-living hydrozoans of the Bay Islands. *J. Biol. Ecol.*, 1 : 28-29.
1660. Rao, G. C. 1971b. Gastrotricha in the interstitial fauna of the Bay Islands. *J. Biol. Ecol.*, 1 : 42-44.
1661. Rao, G. C. 1971c. Kinorhynchs from South Andaman, India. *J. Biol. Ecol.*, 1 : 52.
1662. Rao, G. C. 1972a. Occurrence of the interstitial tardigrade *Parastygarctus higginsi* Renud-Debyser, in the intertidal sands of Andaman Islands. *Curr. Sci.*, 41 : 845-846.

1663. Rao, G. C. 1972b. Sand-living nematodes of the Bay Islands. *J. Biol. Ecol.*, 2 : 24-27
1664. Rao, G. C. 1972c. On some archiannelids of the Bay Islands. *J. Biol. Ecol.*, 2 : 28-30.
1665. Rao, G. C. 1972d. On some sand-living polychaetes of the Andaman Islands. *J. Biol. Ecol.*, 2 : 31-32.
1666. Rao, G. C. 1973 a. Occurrence of some juvenile stages referable to the apodus holothurian *Patinapta ooplax* (Marenzeller) in the intertidal sands of Andaman Islands. *Proc. Indian Acad. Sci.*, 77B : 225-233.
1667. Rao, G. C. 1973b. Harpacticoid copepods in the beach sands of Andaman Islands. *J. Biol. Ecol.*, 3 : 18-21.
1668. Rao, G. C. 1973c. On the occurrence of *Caecum* (Gastropoda: Molusca) from Andaman Islands. *J. Biol. Ecol.*, 3 : 22.
1669. Rao, G. C. 1973d. Sandy beach, a habitat for interstitial holothurians. *J. Biol. Ecol.*, 3 : 23.
1670. Rao, G. C. 1974a. Distribution of meiofauna in a sandy beach at South Andaman. *Proc. Seminar on Intertidal Ecology*, 1 : 42-46.
1671. Rao, G. C. 1974b. On the geographical distribution of interstitial fauna of marine beach sand. *Proc. Indian natn. sci. Acad.*, 38 B (3&4) : 164-178.
1672. Rao, G. C. 1975a. The interstitial fauna in the intertidal sands of Andaman and Nicobar group of islands. *J. mar. biol. Ass. India*, 17(2) : 116-128.
1673. Rao, G. C. 1975b. *Halammohydra chauhani* n. sp. (Hydrozoa) from Andamans, India. *Dr. B. S. Chauhan Comm. Vol.*, 1 : 299-303.
1674. Rao, G. C. 1975c. On a new interstitial species of *Trochodota* (Apodida, Holothuroidea) from Andamans, India. *Curr. Sci.*, 44 : 508-509.

1675. Rao, G. C. 1978. On a new species of Halammohydra (Actinulida, Hydrozoa) from Andamans, India. *Bull. zool. Surv. India*. 1(2) : 147-149.
1676. Rao, G. C. 1980. On the zoogeography of the interstitial meofauna of the Andaman and Nicobar Islands, Indian Ocean. *Rec. zool. Surv. India*, 77 (1-4) : 153-178.
1677. Rao, G. C. 1986a. Meiofauna of the mangrove sediments in South Andaman. *J. Andaman Sci. Ass.*, 2(2) : 23-32.
1678. Rao, G. C. 1986b. Significance of the insular fauna. *The Daily Telegrams*, 23 : 5-6.
1679. Rao, G. C. 1986c. Present status of wildlife in Bay Islands. *Seminar on Integrated Management of resources of A & N Islands, CSIR, New Delhi*, 24 pp.
1680. Rao, G. C. 1987a. Effects of exploitation and pollution on littoral fauna in Bay Islands. *Proc. Symp. Coastal Ecosystems and Oceanic Resources of Andamans*, 1 : 28-39.
1681. Rao, G. C. 1987b. Effects of pollution on meiofauna in a sandy beach at Great Nicobar. *J. Andaman Sci. Ass.*, 3(1) : 19-23.
1682. Rao, G. C. 1987c. Meiofauna of the marine national park, South Andaman. *J. Andaman Sci. Ass.*, 3(2) : 88-97
1683. Rao, G. C. 1987d. The marine mammal, dugong, in Bay Islands. *The Daily Telegrams*, 23 : 5-12.
1684. Rao, G. C. 1987e. Sea turtles in the Bay Islands. *The Daily Telegrams*. 189 : 8-17
1685. Rao, G. C. 1988a. Meiofauna of the intertidal algae on Great Nicobar Island. *J. Andaman Sci. Ass.*, 4(1) : 18-31.
1686. Rao, G. C. 1988b. Meiofauna of the intertidal sediments on Great Nicobar. *J. Andaman Sci. Ass.*, 4(2) : 89-100.
1687. Rao, G. C. 1988c. Bats in the Bay Islands. *The Daily Telegrams*, 187 4.

1688. Rao, G. C. 1989a. On some free-living marine nematodes of the Bay Islands. *J. Andaman Sci. Ass.*, 5(1) : 1-23.
1689. Rao, G. C. 1989b. Ecology of the meiofauna of sand and mud flats around Port Blair. *J. Andaman Sci. Ass.*, 5(2) : 99-107
1690. Rao, G. C. 1990a. Present status of the sea-cow, *Dugong dugon* (Muller) in Bay Islands. *J. Andaman Sci. Ass.*, 6(2) : 185-189.
1691. Rao, G. C. 1990b. Meiofauna of marine beach sand. *Zoologiana*, 5 : 87-102.
1692. Rao, G. C. 1990c. The Great Nicobr Biosphere Reserve. *The Daily Telegrams*, 172 : 5-12.
1693. Rao, G. C. 1991a. Gastrotricha. In : *Animal resources of India : Protozoa to Mammalia : State of the Art*. Zoological Survey of India, Calcutta, 1 : 89-94.
1694. Rao, G. C. 1991b. Kinorhyncha. In : *Animal resources of India : Protozoa to Mammalia : State of the Art*. Zoological Survey of India, Calcutta, 1 : 95-98.
1695. Rao, G. C. 1991c. Archiannelida. In : *Animal resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 183-187
1696. Rao, G. C. 1991d. Distribution of plants and animals on the rocky sea shores of Andaman and Nicobar Islands. *J. Andaman Sci. Ass.*, 7(2) : 30-42.
1697. Rao, G. C. 1991e. Dugong, islands' endangered animal. *The Daily Telegrams*, 186 : 4-5.
1698. Rao, G. C. 1991f. Protection of endangered animals of the Bay Islands. *Proc. Seminar Tourism Dev. & Envi. Prot.*, 1 : 43-51.
1699. Rao, G. C. and Dev Roy, M. K. 1985. The fauna of the Bay Islands. *J. Andaman Sci. Ass.*, 1 : 1-17
1700. Rao, G. C. and Khan, I. H. 1990. On the present status of

- the marine fauna of Andaman Sea. *Zoologiana*, 5 : 29-42.
1701. Rao, G. C. and Mehta, H. S. 1986. Frogs and toads in Bay Islands. *The Daily Telegrams.*, 186 : 12-19.
1702. Rao, G. C., Mitra. B. and Rajan, P. T. 1990. A biological exploration of the Barren Island. *J. Andaman Sci. Ass.*, 6(2) : 138-144.
1703. Rao, G. C., Rao, D. V. and Rajan, P. T. 1991. The coral paradise and tourism in Bay Islands. *Proc. Seminar Tourism Dev. & Envi. Prot.*, 1 : 52-63.
1704. Rao, G. C. and Sharma, R. M. 1989. Wildlife in Andaman and Nicobar Islands. *Prani Jagat*, 2 : 107-125. (In Hindi).
1705. Rao, H. S. 1931. Notes on some Scyphomedusae in the Indian Museum. *Rec. Indian Mus.*, 33(1) : 25-62.
1706. Rao, H. S. 1933. A gall-like structure from a tree in the Andamans. *Curr. Sci.* 2 : 208-209.
1707. Rao, H. S. 1936a. Observations on the rate of growth and longevity of *Trochus niloticus* Linn. in the Andaman Islands. *Rec. Indian Mus.*, 38 : 473-498.
1708. Rao, H. S. 1936b. A statistical study of the data of growth in shells of *Trochus niloticus* Linnaeus, in Andamans. *Rec. Indian Mus.*, 38 : 499-502.
1709. Rao, H. S. 1936c. Pearl-like concretions (calculi) found in the stomach of cartilaginous and bony fishes from the Andaman Sea. *Proc. natn. Inst. Sci. India*, 2 : 93-100.
1710. Rao, H. S. 1937. On the habitat and habits of *Trochus niloticus* Linnaeus in the Andaman Sea. *Rec. Indian Mus.*, 39(1) : 47-82.
1711. Rao, H. S. 1938. Observations on the growth and habits of the gastropod mollusc *Pyrazus palustris* (Linn.) in the Andamans. *Rec. Indian Mus.*, 40(2) : 193-206.
1712. Rao, H. S. 1939a. On the burrowing habits of a gobioid fish of the genus *Taenioides* in the Andamans. *Proc.*

natn. Inst. Sci. India, 5 : 275-279.

1713. Rao, H. S. 1939b. *Trochus Fishery : A consolidated report on the shell fisheries in the Andamans 1930-35*. Zoological Survey of India, Calcutta, 130 pp.
1714. Rao, H. S. 1941. Indian shell fish and their fisheries. *Sci. Cult.*, 7(2) : 69-78.
1715. Rao, H. S. and Hora, S. L. 1938. On the ecology, bionomics and systematics of the blennid fishes of the genus *Andamia* Blyth. *Rec. Indian Mus.*, 40(4) : 377-401.
1716. Rao, H. S. and Raja, K. C. K. E. 1936. A statistical study of the data of growth in shells of *Trochus niloticus* Linn. in Andaman waters. *Rec. Indian Mus.*, 38(4) : 499-502.
1717. Rao, J. R. 1979. Prospects of poultry in Andamans. *The Daily Telegrams*, 36 : 4.
1718. Rao, J. R. 1980. Mud eating habits in animals, reasons and remedial measures. *Livestock Adviser*, 5(12) : 25-26.
1719. Rao, J. R. and Sharma, D. V P. 1988. Incidence of common helminthiasis among cattle and buffaloes in South Andaman. *J. Andaman Sci. Ass.*, 4 : 143-144.
1720. Rao, J. R. and Sikadar, A. 1980. Coccidiosis, the main killer of your poultry, how to control it. *Poultry Adviser*, 5(13) : 85-87
1721. Rao, J. R. and Sikadar, A. 1981. Humpsore disease of cattle in Andamans. *Indian Dairyman*, 33(7) : 427-428.
1722. Rao, J. R. and Sikadar, A. 1989. Incidence of *Coccidia* on poultry and ducks in Bay Islands. *J. Andaman Sci. Ass.*, 5(1) : 91.
1723. Rao, J. R. and Singh, B. 1982. *Feeding problems of poultry in Andamans*. Central Agricultural Research Institute, Port Blair, 14 pp.
1724. Rao, J. R. and Singh, B. 1983. Respiratory problems of poultry. *Ind. Poult. Rev.*, 14 : 25-27

1725. Rao, J. R., Singh, B., Thomas, P. C. and Sikadar, A. 1981. A note on aflotoxicosis in Khaki campbell-duckling in Andamans. *Indian Poult. Rev.*, 12(13) : 31.
1726. Rao, J. R., Thomas, P. C. and Sikadar, A. 1980. Poultry keeping in Andamans. *Poult. Giude*, 17(7) : 41-50.
1727. Rao, K. S. 1961. *Plumatella andamanensis*, a new species of freshwater Bryozoa from Andaman Islands. *J. Univ. Sagar*, 10(2) : 51-53.
1728. Rao, K. S., Agrawal, V., Diwan, A. P. and Shrivastava, P. 1985. Studies on freshwater Bryozoa V In : *Observations on Central Indian materials in Bryozoa : Ordovician to Recent*. (Eds. G. P. Larwood and C. Nelson). 1 : 257-264.
1729. Rao, K. V 1961a. On two opisthobranchiate molluscs *Placobranchus ocellatus* Hasselt and *Discodoris boholiensis* Bergh, from Indian waters not hitherto been recorded. *J. mar. biol. Ass. India*, 3(2) : 253-256.
1730. Rao, K. V 1961b. The pearl wing shell *Pteria penguin* (Roeding) from the Andaman Islands, India. *J. mar. biol. Ass. India*, 3(2) : 259-262.
1731. Rao, K. V 1964. Distribution of the young stages of the mackerel *Rastrelliger kanagnrta* (Cuvier) in the India inshore water. *Proc. Symp. Scomb. Fishes. Mar. Biol. Ass. India*, 1 : 469-482.
1732. Rao, K. V 1965. Oysters. *Wealth of India*, Vol. VII. CSIR, New Delhi, 1-240.
1733. Rao, K. V 1970. Pearl oysters of the Indian region. *Proc. Symp. Mollusca, Mar. Biol. Ass. India*, 3 : 1017-1028.
1734. Rao, M. V L. and Ganapati, P. N. 1969. A new species of *Limnoria* from the Andaman Islands (Isopoda : Flabellifera). *Crustaceana*, 17 : 225-230.
1735. Rao, P. V 1974. On three species of deep-sea galatheid crustaceans from the south-west coast of India. V. *J. mar. biol. Ass. India*, 16(1) : 302-306.

1736. Rao, P. V., Thomas, M. M. and Rao, S. G. 1973. The crab fishery resources of India. *Proc. Symposium on Living Resources of the seas around India, CMFRI, Special Publication*, 581-591.
- 1737 Rao, R. P. 1960. Economy and food habits of Onges. *Andaman & Nicobar Information*, 1 : 24-29.
1738. Rao, T S. S. 1979. Zoogeography of the Indian Ocean. In : *Zoogeography and diversity of plankton* (Eds. S. V D. Spoel and A. C. Pierrot). Butts Bunge Science Publication, Netherlands, 254-292.
1739. Rao, T S. S. 1989. Marine resources of Andaman-Nicobar Islands, their utilisation and management. In : *Andaman, Nicobar and Lakshadweep An enviornmental impact assessment*. (Ed) Saldanha, C. J., Oxford & IBH Publishing Co., New Delhi, 83-88.
1740. Rao, V C. and Rao T S. S. 1968. Distribution of total phosphorus in the Bay of Bengal. *Bull. natn. Inst. Sci. India*, 38(1) : 93-102.
1741. Rao, V C. and Rao, T. S. S. 1974. Distribution of dissolved organic phosporus and nitrogen in the Bay of Bengal. *J. mar. biol. Ass. India*, 16(3) : 775-790.
1742. Rao, V C. and Rao, T. S. S. 1975. Distribution of particulate organic matter in the Bay of Bengal. *J. mar. biol. Ass. India*, 17(1) : 40-55.
- 1742a. Rass, T S. 1973. Some features in the biogeography of the ichthyofauna of the Indian Ocean. *Special Publ. on Dr. N. K. Panikkar. Mar. Biol. Ass. India*, 1 : 250-254.
1743. Rathore, Y. S. and Ramesh, C. R. 1987 Precautions in handling pesticides and appliances. *CARI, Extn. Bull.*, 9 : 1-10.
1744. Raut, S. K. 1978. The giant African land snail *Achatina fulica*. *Zoologiana*, 1 : 29-31.
1745. Raut. S. K. 1983. The extent of damage inflicted by

- Achatina fulica* Bowdich, to agri-horticulture, economic plants. *J. zool. Soc. India*, 34 : 7-12.
1746. Raut, S. K. and Ghose, K. C. 1983. Food preference and feeding behaviour of two pestiferous snails *Achatina fulica* Bowdich and *Macrochlamys indica* Godwin-Austin. *Rec. zool. Surv. India*, 80 : 421-440.
1747. Raut, S. K. and Ghose, K. C. 1984. Pestiferous land snails of India. *Technical Monograph*, 13 : 1-151.
1748. Raveendran, E. K. 1981. The shell fishery and shell craft industry of Andamans. *Seafood Export J.*, 13(8) : 15-18.
1749. Ray, H. C. 1947 On a collection of melaniids and neritids (Mollusca, Gastropoda) from the Andaman Islands. *Rec. Indian Mus.*, 45(4) : 299-308.
1750. Ray, H. C. 1948a. On a collection of Mollusca from the coromandel coast of India. *Rec. Indian Mus.*, 46(1-4) : 87-122.
1751. Ray, H. C. 1948b. Revision of Cypraeacea in the collection of the Zoological Survey of India. Part I. The families Triviidae, Eratoidae and Pediculariidae. *Rec. Indian Mus.*, 46(1-4) : 183-213.
1752. Ray, H. C. 1956. Mitres of Indian waters (Mollusca : Gastropoda : Mitridae). *Mem. Indian Mus.*, 14(1) : 1-72.
1753. Ray, K. K. 1991. Hymenoptera. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 445-450.
1754. Reddiah, K. 1975. On the coastal geomorphology of Andaman and Nicobar Islands. *Newsl. zool. Surv. India*, 1(1) : 4.
1755. Reddiah, K. 1977 The coral reefs of Andaman and Nicobar Islands. *Rec. zool. Surv. India*, 72 : 315-324.
1756. Reddiah, K., Subba Rao, N. V., Cherian, P. T., Halder, K. R. and Roy, T 1974. Two Indian Ocean coral knolls. *Indian J. mar. Sci.* 3 : 67-71.

1757. Reddy, C. V. G., Murthy, P. S. N. and Sankaranarayanan, V. 1968. An incidence of very high phosphate concentration in the waters around Andaman Islands. *Curr. Sci.*, **37**(1) : 17-19.
1758. Reddy, G. P. 1982. *Scarcity and survival*. D. K. Publishers, Delhi, 82 pp.
1759. Reddy, K. N. and Ramakrishna, G. 1972. On the pagurid crabs (Crustacea : Decapoda) from Andaman and Nicobar Islands. *Rec. zool. Surv. India*. **66**(1-4) : 19-30.
1760. Regan, C. T. 1908a. A synopsis of the sharks of the family Scyliorhinidae. *Ann. Mag. nat. Hist.*, (8) 1 : 453-465.
1761. Regan, C. T. 1908b. A revision of the sharks of the family Orectolobidae. *Proc. zool. Soc. Lond.*, 64 : 347-364.
1762. Renaud - Mornant, J. 1986a. Gastrotricha. In : *Stygofauna Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. (Ed. L. Botosaneanu). E. J. Brill, Leiden, 1 : 88-109.
1763. Renaud - Mornant, J. 1986b. Tardigrada : In *Stygofauna Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. (Ed. L. Botosaneanu) E. J. Brill, Leiden, 1 : 254-262.
1764. Richards, W. J. and V. P. Saksena, 1977. Systematics of the gurnards, genus *Lepidotrygla* (Pisces : Triglidae) from the Indian Ocean. *Bull. mar. Sci.*, **27**(2) : 208-212.
1765. Richmond, C. W. 1903. Birds collected by Dr. W. L. Abbott and Mr. C. B. Kloss in the Andaman and Nicobar Islands. *Proc. U. S. natn. Mus.*, **25** : 287-314.
1766. Ripley, S. D. 1982. *A synopsis of the birds of India and Pakistan, together with those of Nepal, Sikkim, Bhutan and Sri Lanka*. Bombay Natural History Society, Bombay, 482 pp.

- 1767 Ripley, S. D. and Beehler, B. M 1989. Ornithogeographic affinities of the Andaman and Nicobar Islands. *J. Biogeogr.*, 16 : 323-332.
1768. Ritchie, J. 1909. New species and varieties of hydroids : Thecata from the Andaman Islands. *Ann. Mag. nat. Hist.*, 3 : 524-528.
1769. Ritchie, J. 1910. Hydroids of the Indian Museum. *Rec. Indian Mus.*, 5 : 1-30.
1770. Robertson, A. 1921. Report on a collection of Bryozoa from the Bay of Bengal and other eastern seas. *Rec. Indian Mus.*, 22(1) : 33-65.
1771. Robinson, B. E. and Lancraft, T M. 1984. *Gorgasia barnesi* (Congridae : Heterocongrinae), a new garden eel from the Banda Sea. *Copeia*, 2 : 404-409.
1772. Robinson, H. C. 1927 *The birds of the Malay Peninsula : The commoner birds*. H. F & G. Witherby, London, 196 pp.
1773. Robinson, H. C. 1928. *The birds of Malaya Peninsula and the hill stations*. H. F & G. Witherby, London, 214 pp.
1774. Robinson, H. C. and Chasen, F. N. 1936. *The birds of the Malaya Peninusula : Sporting birds, birds of the shores and estuaries*. H. F & G. Witherby, London, 224 pp.
1775. Roger, C. 1967 Etude sur quelques especes d' Erphausiaces de l'ocean Indien. *Cah. off. Rech. Sci. Tech. Outrener.* (Oceanogr.), 4 : 73-103.
1776. Roonwal, M. L. 1970. Termites of the Orinctal Region. In : *Biology of termites* (Ed. K. Krishna & F W Wecsner). Academic Press, New York, London, 315-391.
- 1777 Roonwal, M. L. and Bose, G. 1964. Taxonomy and zoogeography of the termite fauna of Andaman and Nicobar Islands, Indian Ocean. *Rec. zool. Surv. India*, 62(3-4) : 109-170.
1778. Roonwal, M. L. and Bose, G. 1965. Zoogeography of

- Andaman and Nicobar termites. *Bull. Syst. Zool.*, Calcutta, 1(1) : 3-4.
1779. Roonwal, M. L. and Chhotani, O. B. 1962. *Indian species of the termite genus Coptotermes*. *Indian Coun. Agr. Res. Ent. Monogr.*, 2 : 1-115. Govt. of Indian Publication, Delhi.
1780. Roonwal, M. L. and Chhtani, O. B. 1989. *The fauna of India and the adjacent countries : Isoptera (Termites) Vol. I*. Zoological Survey of India. Calcutta, 672 pp.
1781. Roonwal, M. L. and Monhot, S. M. 1977 *Primates of South Asia : ecology, sociobiology and behaviour*. Harvard University Press, Cambridge (Mass.) and London, 496 pp.
1782. Roonwal, M. L. and Nath, B. 1949. Discontinuous distribution of certain Indo-Malayan mammals and its zoogeographical significance. *Proc. natn. Inst. Sci. India*, 15(8) : 375-377
1783. Roonwal, M. L. and Sensarma, P. K. 1960. *Contributions to the systematics of Oriental termites*. ICAR Entomology Monograph, No. 1, 407 pp.
1784. Roonwal, M. L. and Thakur, M. L. 1963. Two new species of termites (Rhinotermitidae), *Prorhinotermes shiva* and *Schedorhinotermes tiwarii*, form the Andaman Islands (Bay of Bengal). *Indian J. agric. Sci.*, 33(2) : 102-117
1785. Roopkumari, K. 1989. Morphometric studies on the Indian honey bee, *Apis cerana indica* F. *J. Andaman Sci. Ass.*, 5(2) : 132-135.
1786. Roopstorff, F. A. D. 1869. Inland tribes of Great Nicobar. *Nat. Geo. Mag.*, 5 39-44.
1787. Rosa, D. 1891. Die exotischen Terricolen des K. K. naturhistorischen Hofmuseums. *Annln Naturh. Mus. Wien*, 6 379-406.
1788. Rosewater, J. 1965. The family Tridacnidae in the Indo-

Pacific region. *Indo-Pacific Mollusca*, 1(6) : 347-394.

1789. Roy, J. K. and Roy, B. C. 1969. Food sources, dietary habits and nutrient intake of the Nicobarese of Great Nicobar. *Indian J. med. Res.*, 57 : 958-964.
1790. Roy, T 1977 Description of a new calanoid copepod *Pseudodiaptomus nancowriensis* sp. nov. from Nicobar Islands, India. *Proc. symp. warm water zoopl.*, NIO, Goa, 1 : 100-104.
1791. Roy, T. 1990. Studies on Indian calanoids V Occurrence of *Tropodiaptomus australis* Kiefer (Copepoda : Diaptomidae) in the Andaman and Nicobar Islands, India. *Rec. zool. Surv. India*, 88 : 255-262.
1792. Roy, T 1991. Copepoda, In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 225-230.
1793. Russel, A. P. 1975. A contribution to the functional analysis of the foot of the tokay *Gekko gecko* (Reptilia : Gekkonidae), *J. zool. Res.*, 176 : 457-476.
1794. Russel, S., Das, M. and Rao, C. K. 1975. Filariasis in Andaman and Nicobar Islands. Part I. Survey findings at nancowry, Teressa, Chowra, Car Nicobar and Port Blair. *J. Comm. Dis.*, 7 : 15-30.
1795. Rutzler, K. 1978. Results of the Austrian-Indian Hydrobiological Mission 1976 to the Andaman Islands. Part II. Report on a freshwater sponge (Porifera : Spongillidae) from the Andaman Islands. *Aquatic Biology*, 3 : 142-147

S

1796. Sadasivan, V 1951. Marine fisheries in Andaman. In : *Census of India 1951* Manager of Publications, Calcutta, 91-94.
1797. Sadasivan, V 1993. Preliminary observations on the

- biology of some clupieds occurring in the Andaman Sea. *Proc. Indian Sci. Congr.* 40(3) : 207
1798. Saha, S. S. 1980. Notes on some mammals recently collected from Andaman and Nicobar Islands. *Rec. zool. Surv. India*, 77(1-4) : 119-126.
1799. Saha, S. S. and Dasgupta, J. M. 1980. The Malayan serpent eagle *Spilornis cheela malayensis* (Swann), in the Great Nicobar Island, an addition to the Indian avifauna. *Rec. zool. Surv. India*, 77(1-4) : 89-91.
1800. Sahu, J. R., Rao, K. K., Ramesh, D. B., Gowd, C. R. Usharani, V., Sandhya, D. P. and Chakravorty, M. 1986. *Andaman and Nicobar Islands - Sectorial projections and selected bibliography*. Regional Research Laboratory, CSIR, Bhubaneswar, 38 pp.
1801. Sakthivel, M. 1986. On the abundant occurrence of *Dermopterus gardeneri* Tesch 1910 (Thecosomata : Mollusca) in the Indian Ocean. *J. Bombay nat. Hist. Soc.*, 65(1) : 259-261.
1802. Sakurai, T 1989. Trend of tuna landing in the Indian Ocean. *J. mar. biol. Ass. India*, 31 : 1-19.
1803. Saldanha, C. J 1989. *Andaman, Nicobar and Lakshadweep : An environmental impact assessment*. Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi, 114 pp.
1804. Salvini - Palwen, L. V and Rao, G. C. 1973. On three mesopsammobiotic representatives from the Bay of Bengal. : Species of *Anthohydra* gen. nov (Hydrozoa) and of *Pseudovermis* (Gastropoda). *z. Morph. Okol. Tiere*, 74 : 231-240.
1805. Salvini - Plawen, L. V and Rao, G. C. 1985. Interstitial echinoderms. *Stygofauna Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. (Ed. L. Botosaneanu), E. J. Brill, Leiden, 1 : 185-192.

1806. Sanghal, P. M. 1965. Some precautions against leeches in Andaman forests. *Indian Forester*, 91(4) : 235-237
1807. Sanghal, P. M. 1971. Forest food of the tribal population of Andaman and Nicobar Island. *Indian Forester*, 91(11) : 646-650.
1808. Sanjeeve Raj, P. J. 1976. Review of fish leeches of the Indian Ocean. *J. mar. biol. Ass. India*, 16(2) : 381-397
1809. Sankarankutty, C. 1961. On Decapoda Brachyura from the Andaman and Nicobar Islands. I. Families Portunidae, Ocypodidae, Grapsidae and Mictyridae. *J. mar. biol. Ass. India.*, 3(1-2) : 101-119.
1810. Sankarankutty, C. 1962a. On Decapoda Brachyura from the Andaman and Nicobar Islands. 2. Family Xanthidae. *J. mar. biol. Ass. India*, 4(1) : 121-150.
1811. Sankarankutty, C. 1962b. On Decapoda Brachyura from the Andaman and Nicobar Islands. 3. Families : Calappidae, Leucosiidae, Parthenopidae, Maiidae and Geocarcinidae. *J. mar. biol. Ass. India*, 4(1) : 151-164.
1812. Santa, T. 1975a. Species and size composition of thread-fin snappers in the South China Sea and the Andaman Sea. *SEAFDEC*, 4 : 1-36.
1813. Santa, T. 1975b. Catalogue of the fishes from the South China Sea and Andaman Sea. *SEAFDEC*, 5 : 1-32.
1814. Santa, T. and Tan, S. M. 1975. On *Pristipomoides multidentis* and *P. typus* (Family Lutjanidae). *Jap. J. Ichthyol.*, 22(2) : 68-76.
1815. Santhakumaran, L. N. 1985. *Marine wood-borers of India, an annotated bibliography*. National Institute of Oceanography, Goa, 147 pp.
1816. Santhakumaran, L. N. and Srinivasan, V. V. 1988. Marine wood-borers of Andaman and Nicobar Islands with notes on control measures and on their distribution along the east coast of India. *Mahasagar*, 21 : 13-21.

1817. Sanyal, A. K. and De, S. K. 1991. Acari : Mesostigmata. In : *Animal Resources of India : Protozoa to Mammalia* . Zoological Survey of India, Calcutta, 1 : 513-517
1818. Sanyal, S. 1976. Economy of a vanishing tribe of Little Andaman. *J. Social Res.*, 19(2) : 98-103.
1819. Sanzgiry, S. and Braganca, A. 1981. Trace metals in the Andaman Sea. *Indian J. mar. Sci.* 10(3) : 238-240.
1820. Sarala, K. 1983. Plankton and biota survey of local ponds of Port Blair, Andaman Islands, India. *Int. J. Acad. Ichthyol.*, 4 : 23-24.
1821. Sarangi, N. 1989. Induced breeding of Indian major carps in Andaman and Nicobar Islands. *National Seminar on forty years of freshwater Aquaculture in India, Bhubaneswar, 7 - 9th November*, 14 pp.
1822. Sarangi, N. and Ram, N. 1989. Natural breeding of carps in the 'Bundh' type pond of Bay Islands. *National Seminar on forty years of freshwater Aquaculture in India, Bhubaneswar, 7-9th November*, 14 pp.
1823. Sarkar, A. K. 1990. Taxonomic and ecological studies on the amphibians of Andaman and Nicobar Islands, India. *Rec. zool. Surv. India.*, 86(1) : 103-117.
1824. Sarkar, S. R. 1969. Hunting aspect of Onge culture. *Bull. Indian Mus.*, 4 : 100-113.
1825. Sarkar, S. S. 1963. Jarawas of the Andaman Islands. *Anthropos*, 57 : 670-677
1826. Sarma, A. L. N. 1975. Three new species of the bivalved gastropods *Julia* and *Berthelinia* found in the eastern Indian Ocean. *Venus*, 34 : 11-25.
1827. Sarma, A. L. N. and Rao, D. G. 1981. Occurrence of a species of *Palinnotus* (Amphipoda) on Port Blair shore (Andaman Islands). *J. Bombay. nat. Hist. Soc.*, 78(2) : 397-399.
1828. Sarma, N. S., Das, C. R., Rambabu, M., Anjaneyulu, A. S.

- R. and Vishnuvajjya, B. R. 1990. A new bromofuran from marine sponge *Phakellia conulus*. *Indian J. Chem.*, 29(8) : 771-772.
1829. Sastry, B. N. 1939. Shell fisheries in the Andamans. *Curr. Sci.*, 8 : 349-354.
1830. Sastry, D. R. K. 1977a. On some crustacean associates of sea-urchins of the Andaman and Nicobar Islands. *Newsl. zool. Surv. India*, 3 : 119-120.
1831. Sastry, D. R. K. 1977b. On some records of Echinoidea (Echinodermata) from Andaman and Nicobar Islands. *Newsl. zool. Surv. India*, 3(3) : 117-118.
1832. Sastry, D. R. K. 1981a. On the occurrence of the brittlestar *Ophiophrixus confinis* Koehler (Echinodermata : Ophiuroidea) in the Indian Ocean. *Curr. Sci.*, 50 : 554-555.
1833. Sastry, D. R. K. 1981b. On some crustacean associates of Echinodermata from the Bay of Bengal. *Rec. zool. Surv. India*, 79 : 19-30.
1834. Sastry, D. R. K. 1981c. Emendation of the name *Peronella rullandi* (Koehler) (Echinodermata : Echinoidea). *Bull. zool. Surv. India*, 4 : 239.
1835. Sastry, D. R. K. 1987. A note on the brittlestar *Ophiomusium simplex* Lyman (Echinodermata : Ophiuroidea) new to the Bay of Bengal. *Bull. zool. Surv. India*, 8 : 217-220.
1836. Sastry, D. R. K. 1991. Echinodermata. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 559-569.
1837. Sato, T. 1978. A synopsis of the sparoid fish genus *Lethrinus*, with the description of a new species. *Bull. Univ. Mus. Univ. Tokyo*, (15) : 1-70.
1838. Sawyer, F. C. 1953. The dates of issue of J. E. Gray's illustrations of Indian Zoology (London, 1830-1835). *J.*

Soc. Biblphy. nat. Hist., 3(1) : 48-55.

1839. Saxena, A. 1991. Management of elephant camps and elephant care. *Indian Forester*, 117(10) : 926-934.
- 1840 Sazonov, Y I. and Ivanov, A. N., 1979. New speices of the family Alepocephalidae, order Salmoniformes, from the underwater ridges of the tropical Indian Ocean. *J. Ichthyol.*, 19(6) : 40-46.
1841. Sazonov, Y I. and Ivanov, A. N. 1980. Slickheads (Alepocephalidae and Leptoichthyidae) from thalassobathyal zone of the Indian Ocean. *Trans. p. p. Shirshov Inst. Okeanol.*, 110 : 7-104 (In Russian).
1842. Scheer, G. 1971. Regional variations in Indian Ocean coral reefs. *Proc. Symp. zool. Soc. Lond.*, 429 pp.
1843. Scheer, G. 1984. The distribution of reef corals in Indian Ocean, with a historical review of its investigation. *Deep Sea Res.*, 31 : 885-900.
1844. Scheer, G. and Pillai, C. S. G. 1974. Report on the Scleractinia from the Nicobar Islands : Results of the Zarifa expedition. *Zoologica Stuttg.*, 122 1-75.
1845. Scheer, G. and Pillai, C. S. G. 1976. Recent corals from the Maldives. *Zoologica Stuttg.*, 126 : 1-83.
1846. Schenkling, S. 1908. Some Cleridae of the Indian museum. *Rec. Indian Mus.*, 2(4) : 386-387
- 1847 Schultz, L. P 1953. Review of the Indo-Pacific anemone fishes, genus *Amphiprion*, with description of two new species. *Proc. U. S. natn. Mus.*, 103 : 187-201.
1848. Schultze, F E. 1902. *An account of the Indian Triaxonia collected by the R. I. M. S. Investigator*. Trustees of the Indian Museum, Calcutta, 113 pp.
1849. Schwager, C. 1866. Fossile Foraminiferan von car Nikobar. *Reise Osterr. Fregatte Novara Erde. Geolog.*, 2 : 187-268.

1850. Sclater, W L. 1869. Notice of a live monkey from Port Blair, Andamans. *Proc. zool. Soc. Lond.*, 19 : 467-468.
1851. Sclater, W L. 1891. *Catalogue of mammalia in the Indian Museum*. Part II. Central Printing Press, Calcutta, 375 pp.
1852. Sclater, W L. 1892. On the Indian Museum and its collection of birds. *Ibis*, 4 : 65-87.
1853. Sekar, A. G. 1984. Distribution of *Bufo camortensis* Mansukhani & Sarkar in the Andaman and Nicobar Islands. *J. Bombay nat. Hist. Soc.*, 81(2) : 488.
1854. Selys, L. E. 1853 Synopsis des calopterygines. *Bull. Acad. r. Belg. Cl. Sci.*, 20 : 1-73.
1855. Selys, L. 1863. Synopsis des Agrionines. Quetrieme Legion; Platyenemis. *Bull. Acad. r. Belg. Cl., Sci.*, 16 : 150-176.
1856. Selys, L. E. 1871. Synopsis des cordulines. *Bull. Acad. r. Belg. Cl. Sci.*, 31 : 238-316 ; 519-565.
1857. Sen, N. 1980. A redescription of *Doryachthysdeocata* (Ham. Buch.) (Pisces : Syngnathidae). *Rec. zool. Surv. India*, 76 : 79-82.
1858. Sen, P. K. 1962. *Land and people of the Andaman*. Post-graduate Book Mart, Calcutta, 65 pp.
1859. Sen, S. 1980. On a collection of Thysanoptera (Insecta) from Andaman Island. *Rec. zool. Surv. India*, 77(1-4) : 343-355.
1860. Sen, S. 1991. Thysanoptera. In : *Animal Resources of India : Protozoa to mammalia*. Zoological Survey of India, Calcutta, 1 : 339-344.
1861. Sen, T K. 1973. Fishing methods of Andaman and Nicobar group of Islands. *Seafood Export J.*, 5(1) : 107-116.

1862. Sen, T K. 1974. Important marine food fishes of India (Fam ; Carangidae). *Seafood Export J.*, 6(4) : 15-26.
1863. Sen, T K. 1975. Further light on freshwater fish fauna of Andaman Islands. *Seafood Export J.*, 7(2) : 31-34.
1864. Sengupta, R., Moraes, C., George, M. D., Kureishy, T W., Noronha, R. J. and Fondekar, S. P. 1981. Chemistry and hydrography of the Andaman Sea. *Indian J. mar. Sci.*, 10(3) : 228-233.
1865. Sengupta, R. and Qasim, S. Z. 1985. The Indian Ocean - an environmental overview. In : *The Oceans : Realities and prospects*. (Ed: R. C. Sharma). Rajesh Publications, Delhi, 7-40.
1866. Sengupta, T., Biswas, S., Mukhopadhyay, P. and Basu, R. C. 1991. Coleoptera. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 349-362.
1867. Sengupta, T., and Mukherjee, A. K. 1979. On the collection of colcopterous sub-family Languriinae from India. *Rec. zool. Surv. India*, 75 : 327-338.
1868. Sengupta, T., Mukhopadhyay, P. and Sengupta, R. 1984. Major beetle pests of stored food products in India. *Rec. zool. Surv. India. Occ. Paper*, 62 : 1-65.
1869. Senior-White, R. A., Aubertin, D. and Smart, J. 1940. *The fauna of British India including the reminder of the Oriental Region. Diptera Vol. VI. Family Calliphoridae*. Taylor and Francis Ltd., London, 288 pp.
1870. Sen-Sarma, P. K. 1974a. Wood destroying termites of India. *Final Tech. Rep. US PL 480 Proj. No. A7-FS-58*, 187 pp.
1871. Sen Sarma, P. K. 1974. Ecology and biogeography of the termites of India. In : *Ecology and biogeography of India*

- (Ed. M. S. Mani). Dr. W Junk B. V Publishers, Hague, 421-472.
1872. Senta, S. B. 1932. The Andaman shell fishery. *J. Bombay. nat. Hist. Soc.*, 26 : 94-100.
1873. Senta, T and Min, T S. 1975. Catalogue of the fishes from the South China Sea and Andaman Sea. *Marine Fish. Res. Develop., Southeast Asian Fish. Develop. Centre*, 1-106.
1874. Senta, T., Miyata, C. and Tan, S. M. 1973. Demersal fish resources in untrawlable waters viewed through vertical lining fishing. *Tech. seminar on South China Sea Fisheries Resources, Bangkok*, 1 : 1-16.
1875. Senta, T and Tan, S. M. 1973. Trawl fishing grounds in North Andaman Sea. *Tech. Seminar on South China Sea Fisheries Resources, Bangkok*, 1 : 1-12.
1876. Senta, T and Tan, S. M. 1975. Trawl fishing grounds in North Andaman Sea. *SEAFDEC*, 3 : 5-12.
1877. Senta, T and Tan, S. M. 1976. Fishery potential in North Andaman Sea. *SEAFDEC*, 6 : 1-14.
1878. Serene, R. 1966. Note sur la taxonomic et la distribution géographique des Hapalocarcinidae (Decapoda, Brachyura). *Proc. Symp. Crustacea, Mar. Biol. Ass. India*, 1 : 395-398.
1879. Serene, R. 1972. On the brachyuran fauna of Indo-Pacific coral reefs. *J. mar. biol. Ass. India*, 13 : 419-424.
1880. Serene, R. 1976. Brachyura collected during the Thai-Danish Expedition. *Res. Bull. Phuket Mar. Biol. Cent.*, 12 : 1-56.
1881. Serene, R. 1984. Crustaces decapodes Brachyours de l'océan Indien occidental et de la Mer Rouge Xanthoidea : Xanthidae et Trapeziidae. *Fauna Tropicale*, 24 : 5-348.

1882. Serventy, D. L. 1957 An analysis of the pelagic bird fauna of the Indo-Pacific oceans. *Proc. Pacif. Sci. Congr.*, 3 : 461-481.
1883. Service, E. R. 1958. *The Andaman Islanders*. Harper & Brothers, New York, 210 pp.
1884. Seshappa, G. 1970. Mackerel, an important fish in the seas around India. *Indian Fmg*, 20(1) : 39-41.
1885. Sethi, D. V and Tikader, B. K. 1988. Studies on some giant crab spiders of the family Heteropodidae from India. *Rec. zool. Surv. India, Occ. Paper*, 93 : 1-94.
1886. Setna, S. B. 1931. On three new gregarines, *Bhatiella morphysae* n.g., n.sp., *Ferraria cornucephali* n.g., n.sp., *Sextremocystis dendrostomi*, n.g. n.sp. from Indian polychaetes. *Rec. Indian Mus.*, 33(2) : 203-210.
- 1887 Setna, S. B. 1932. The Andaman shell fishery. *J. Bombay nat. Hist. Soc.*, 36(1) ; 94-100.
1888. Sewell, R. B. S. 1913. Notes on the biological work of the R. I. M. S. S. *Investigator* during the survey seasons 1910-1911. *J. Proc. Asiat. Soc. Beng.*, 9 329-390.
1889. Sewell, R. B. S. 1914. Notes on the surface living copepods of the Bay of Bengal. *Rec. Indian Mus.*, 7 : 312-382.
1890. Sewell, R. B. S. 1920. Progress report on a survey of the freshwater gastropod molluscs of the Indian empire and their trematode parasites. *Indian J. med. Res.*, 8(1) : 118-124.
1891. Sewell, R. B. S. 1922. A survey season in the Nicobar Islands on the R. I. M. S. "Investigator" October 1921 to March 1922. *J. Bombay nat. Hist. Soc.*, 28(4) : 970-989.
1892. Sewell, R. B. S. 1925a. Geographic and oceanographic researches in Indian waters. Part I. The geography of the Andaman sea basin. *Mem. Asiat. Soc. Beng.*, 9(1) : 1-26.

1893. Sewell, R. B. S. 1925b. Geographic and oceanographic research in Indian waters. Part II. A study of the nature of the seabed and of the deep-sea deposits of the Andaman sea and Bay of Bengal. *Mem. Asiat. Soc. Beng.*, 9(1) : 27-50.
1894. Sewell, R. B. S. 1925c. Geographic and oceanographic researches in Indian waters. Part III. Studies on corals and coral formations in Indian waters. *Mem. Asiat. Soc. Beng.*, 9(3) : 461-539.
1895. Sewell, R. B. S. 1926a. The salps of Indian seas. *Rec. Indian Mus.*, 28(2) : 65-126.
1896. Sewell, R. B. S. 1926b. A study of *Lithotrya nicobarica* Rein. *Mem. Indian Mus.*, 28(4) : 269-300.
1897. Sewell, R. B. S. 1927. Geographic and oceanographic research in Indian waters. Part III. Maritime meteorology in Indian seas. *Mem. Asiat. Soc. Beng.*, 9(3) : 51-130.
1898. Sewell, R. B. S. 1928. Geographic and oceanographic research in Indian waters. Part IV. The temperature and salinity of the coastal waters of the Andaman Sea. *Mem. Asiat. Soc. Beng.*, 9(4) : 133-206.
1899. Sewell, R. B. S. 1929. Geographic and oceanographic research in Indian waters. V. The temperature and salinity of the surface waters of the Bay of Bengal and Andaman Sea, with reference to the Laccadive Sea. *Mem. Asiat. Soc. Beng.*, 9(5) : 207-355.
1900. Sewell, R. B. S. 1931. Cercariae Nicobaricae. *Indian J. med. Res.*, 18(3) : 785-806.
1901. Sewell, R. B. S. 1932a. Geographic and oceanographic research in Indian waters. Part VI. The temperature and salinity of the deeper waters of the Bay of Bengal and Andaman Sea. *Mem. Asiat. Soc. Beng.*, 9(6) : 357-423.
1902. Sewell, R. B. S. 1932b. The Copepoda of the Indian Seas

- : Calanoida. Part I. *Mem. Indian Mus.*, 10 : 1-221.
1903. Sewell, R. B. S. 1932c. The Copepoda of Indian Seas : Calanoida. Part II. *Mem. Indian Mus.*, 10 : 222-407
1904. Sewell, R. B. S. 1932d. The coral coasts of India. *Geogr. J.*, 79(6) : 449-465.
1905. Sewell, R. B. S. 1932e. Marine biological research in India. *Curr. Sci.*, 1(6) : 155-157
- 1905a. Sewell, R. B. S. 1935. Studies on corals and coral formations in Indian waters. *Mem. Asiat. Soc. Beng*, 9(2) : 461-540.
1906. Sewell, R. B. S. 1940. Copepoda Harpacticoida. *Scient. Rep. John Murray Exped.*, 7 : 117-382.
1907. Sewell, R. B. S. 1947 The free-swimming planktonic Copepoda. *Scient. Rep. John Murray Exped.*, : 18-302.
1908. Sewell, R. B. S. 1948. The free-swimming planktonic Copepoda : Geological distribution. *Scient. Rep. John Murray Exped.*, 8 : 317-592.
1909. Sewell, R. B. S. 1949. The littoral and semiparasitic Cyclopoida, the Monstrilloida and Notodelphyoida. *Scient. Rep. John Murray Exped.*, 9 : 17-199.
1910. Sewell, R. B. S. 1952. Deep-sea oceanographic exploration in Indian waters. *J. Bombay nat. Hist. Soc.*, 50 : 715-717
1911. Sewell, R. B. S. 1953. The pelagic Tunicata. *Scient. Rep. John Murray Exped.*, 10 : 1-90.
1912. Shafee, S. A., Fatma, A., Khan, M. Y and Shujauddin. 1983. Two new species of Eulophidae (Hymenoptera : Chalcidoidea) from Andaman Islands. *J. Bombay nat Hist. Soc.*, 80(3) : 618-620.
1913. Shah, N K. 1989. Observations on the activity of gundhibug *Laptocoisa oratorius* (Fabr.) in Bay Islands.

- J. Andaman Sci. Ass.*, 5(1) : 87-88.
1914. Shah, N. K. 1990a. New record of the mole-cricket, *Gryllotalpa africana* Beauv. (Insecta) from Andamans. *J. Andaman Sci. Ass.*, 6(1) : 55.
1915. Shah, N. K. 1990b. Reaction of wild rice, *Oryza indandmanica* Ellis to leaf folder and case worm. *J. Andaman Sci. Ass.*, 6(2) : 171.
1916. Shah, N. K. 1991a. Integrated management of insect pests of rice. *J. Andaman Sci. Ass.*, 7(1) : 83-85.
1917. Shah, N. K. 1991b. On a small collection of Rutelinae (Scarabaeidae : Coleoptera) from Bay Islands. *Indian J. Forest.*, 15(2) : 176-180.
1918. Shah, N. K. and Belvadi, V. V. 1985a. Insect pests of agrihorticultural and plantation crops in Andamans. *Annual Report, CARI*, 1 : 62-63.
1919. Shah, N. K. and Belavadi, V. V. 1985b. Comparative resistance to stem borer (*Tryporyza incertulus* Wlk.) and gundhi-bug (*Leptocorisa varicornis* Linn.) in some improved genotypes of rice. *J. Andaman Sci. Ass.*, 1(2) : 100-103.
1920. Shah, N. K., Belavadi, V. V. and Pal, R. N. 1989. Occurrence of the scale insect *Ceroplastodes* sp. (Homoptera : Coccidae) on Sesbania. *J. Andaman Sci. Ass.*, 5(1) : 86.
1921. Shah, N. K. and Ramesh, C. R. 1989. Integrated management of insect pests of rice. *Proc. Symp. Integrated management of diseases and pests of crops in humid tropics, Port Blair*, 1-12.
1922. Shanbogue, S. L. 1986. Studies on stomatopod Crustacea from the seas around India. *Recent advances in marine biology*, (Ed. P. S. B. R. James) 515-568.

1923. Shanmugam, S. and Kathirvel, M. 1983. Lobster resources and culture potential. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 61-64.
1924. Sharma, B. K. 1991a. Rotifera. In : *Animal resources of India : Protozoa to Mammalia : State of the Art*. Zoological Survey of India, Calcutta, 1 : 69-88.
1925. Sharma, B. K. 1991b. Cladocera. In : *Animal resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 205-223.
1926. Sharma, A. K., Mehrotra, M. L. and Prasad, A. 1987. Swine pulmonary metastrongilosis in Andaman and Nicobar Islands. *J. Andaman Sci. Ass.*, 3(1) : 43-44.
1927. Sharma, D. V P. 1970. *First annual report on the coordinated project on stephanofilarial dermatitis in domestic animals at Port Blair*. I. C. A. R. Research Centre, Andaman Islands, Port Blair, 42 pp.
1928. Sharma, D. V P. 1976. Getting rid of humpsore. *The Andaman & Nicobar Information*, 1 : 133-137
1929. Sharma, D. V P and Rao, J. R. 1977a. Studies on stephanofilarial dermatitis among livestock of Andaman and Nicobar Islands. III. Vectors and their biology. *First natn. Conv. Indian Helminthologists*, 1 : 14-15.
1930. Sharma, D. V P. and Rao, J. R. 1977b. Studies on stephanofilarial dermatitis among livestock of Andaman and Nicobar Islands. IV Treatment and control. *Livestock Adviser*, 2 ; 15-17
1931. Sharma, D. V P and Rao, J. R. 1989. Control of stephanofilarial dermatitis in Andaman and Nicobar Islands. *Indian J. Anim. Sci.*, 59 : 506-509.
1932. Sharma, R. M. 1983. On some plant galls caused by *Eriophys* (Acarina - Eriophyidae) from Andaman Islands, India. *Indian bot. Repr.*, 2(1) : 73-75.

1933. Sharma, R. M 1984a. A contribution to the knowledge of Entomolocecida from Andaman Islands, India. *Indian bot. Repr.*, 3(1) : 101-103.
1934. Sharma, R. M. 1984b. New records of Zooecidia from Andaman Islands, India. *Bull. zool. Surv. India*, 6(1-3) : 323-324.
1935. Sharma, R. M. 1984c. Midge galls (Diptera : Cecidomyiidae) of Andaman Islands, India. *III Oriental Ent. Symp. Trivandrum*, P. 102 (Abstract).
1936. Sharma, R. M 1986. On new mite galls of *Bueitneria* spp. from Andaman Islands, India. *Geobios New Reports*, 5(2) : 179-180.
1937. Sharma, R. M. 1989. Midge galls (Diptera : Cecidomyiidae) of Andaman Islands, India. *Bull. bot. Surv. India*, 31 : 28-49.
1938. Sharma, R. M. and Das, A. K. 1984. Further contribution to the knowledge of Zooecidia of the mangrove *Avicennia marina* (Forsk.) Vier. *Rec. zool. Surv. India*, 81(3-4) : 123-126.
1939. Sharma, R. M., Dev Roy, M. K and Das, A. K. 1983. New records of Zooecidia from mangrove of Andaman Islands, India. *Geobios New Reports*, 2(2) : 139-141.
1940. Sharma, R. M., Dev Roy, M. K., Mitra, B. and Das, A. K. 1984. New records of Zooecidia on the mangrove *Avicennia marina* (Forsk.) Vier, from Andaman Islands, India. *Geobios New Reports*, 3(1) : 46-48.
1941. Sharma, R. M. and Dev Roy M. K. 1985. On a small collection of plant galls from Great Nicobar, India. *Geobios New Reports*, 4(1) : 72-73.
1942. Sharma, V and Kumar, R. 1987 Significance of benthic foraminiferal predation in species diversity. *Curr. Sci.*, 56(18) : 948-949.

1943. Sharma, V P. 1978. Parasitic diseases versus livestock economy of islands. *The Andaman Administration Information*, 1 : 53-58.
1944. Shcherbachev, Y N. 1980. A preliminary review of deep-sea ophidiids (Ophidiidae, Ophidiiformes) of the Indian Ocean. *Trudy. Inst. Okeanol.*, 110 : 105-176.
1945. Shcherbachev, Y N. 1981. Preliminary review of the Indian Ocean species of the Chlorophthalmidae (Myctophiformes, Osteichthyes): Fishes of the open ocean. *Acad. Sci. USSR.*, 47-67 (In Russian).
1946. Shindo, S. and Yamda, V. 1972a. Descriptions of three new species of the lizard fish genus *Saurida*, with a key to its Indo-Pacific species. *UO Jap. Soc. Ichthyol.*, 11 : 1-13.
1947. Shindo, S. and Yamda, V 1977b. Descriptions of three new species of the lizard fish genus *Saurida*, with a key to the Indo-Pacific species. *UO Jap. Soc. Ichthyol.*, 12 : 1-14.
1948. Shishodia, M. S. and Tandon, S. K. 1977 Some new records of Grylloidea (Insecta : Orthoptera) from Andaman Islands. *Newsl. zool. Surv. India*, 3(3) : 125-126.
1949. Shubnikov, D.A. and Tokareva, G. O. 1973. Some data on the eastern part of the Bay of Bengal and the Andaman Sea. *Soviet Fisheries Investigations in the Indian Ocean*, 1 : 84-93.
1950. Siddiquie, H. N. 1976. Position fixing requirements for oceanography and marine surveys in India. *Mahasagar*, 9(4) : 227-236.
1951. Sikadar, A. and Rao, J. R. 1979. A note about the occurrence of *Eimeria* (*Golobidium*) *leuckarti* (Fiesch 1883) Reichenow, 1940 in a cow-calf in Andaman and

- Nicobar Islands. *Indian J. Anim. Hlth.* 18(2) : 69-70.
1952. Sikadar, A. and Rao, J. R. 1989. Seroprevalence of *Salmonella pullorum* among poultry in South Andaman. *J. Andaman Sci. Assoc.*, 5(1) : 92-93.
- 1952a. Sikadar, A., Rao, J. R. and Jha, S. K. 1982. Foot and mouth disease in Andamans. *Indian Fmg.*, 31(11) : 33.
1953. Silas, E. G. 1968. Cephalopoda of the west coast of India collected during the cruises of the research vessel Varuna with a catalogue of the species known from the Indian Ocean. *Proc. Symp. Mollusca, Mar. Biol. Assoc. India*, 2 : 277-359.
1954. Silas, E. G. 1969. Pelagic fisheries of the Indian Ocean. *Indian Fmg.*, 19(9) : 63-66.
1955. Silas, E. G. 1983. Introduction : An indicative survey of the mariculture potential of Andaman and Nicobar Islands. *Bull. cent. mar. Fish. Res. Inst.*, 34 : 1-9.
1956. Silas, E. G. 1985a. The dugong in India - Is it going the way of dodo ? *Proc. Symp. Endangered Marine Animals and Marine Parks*, 1 : 167-176.
1957. Silas, E. G. 1985b. Tuna fisheries of the EEZ of India - an introductory statement. *Bull. cent. mar. Fish. Res. Inst.*, 36 : 1-5.
1958. Silas, E. G. 1985c. Cephalopod bionomics, fisheries and resources of the exclusive economic zone of India. *Bull. cent. mar. Fish. Res. Inst.*, 37 : 1-195.
1959. Silas, E. G. and Alagarwami, K. 1983. General considerations of mariculture potential of Andaman and Nicobar Islands. *Bull cent. mar. Fish. Res. Inst.*, 34 : 104-107
1960. Silas, E. G. and Dawson, E. 1961. *Heteropneustes fossilis* (Bloch) a new addition to the freshwater fish fauna of the

- Andaman Islands. *J. Bombay nat. Hist. Soc.*, 58(1) : 287-289.
1961. Silas, E. G., Dharmaraja, S. K. and Rengarajan, K. 1976. Exploited marine fishery resources of India. *Bull. cent. mar. Fish. Res. Inst.*, 27 : 1-25.
1962. Silas, E. G., Mahadevan, S. and Nayar, K. N. 1985. Existing and proposed marine parks and reserves in India - A review. *Proc. Symp. Endangered Marine Animals and Marine Parks*. 1 : 414-428.
1963. Silas, E. G. and Muthu, M. S. 1976a. On a new species of penaeid prawn of the genus *Metapenaeus* Wood-Mason and Alcock, from the Andamans. *J. mar. biol. Ass. India*, 16(2) : 645-648.
1964. Silas, E. G. and Muthu, M. S. 1976b. Notes on a collection of penaeid prawns from the Andamans. *J. mar. biol. Ass. India*, 18(1) : 78-90.
1965. Silas, E. G., Muthu, M. S. and Kathirvel, M. 1983. Penaeid prawn resources and potential for prawn culture. *Bull. cent. Mar. Fish. Res. Inst.*, 34 : 54-60.
1966. Silas, E. G., Nair, K. P., Sarvesan, R., Rao, K. S., Meiyappan, M. M., Kuber, V., Sreenivasan, P. V., Sivalingam, D. D. Balan, K. and Rao, B. N. 1985. Cephalopod production in India and constituent maritime states. *Bull. cent. mar. Fish. Res. Inst.*, 37 : 80-87
1967. Silas, E. G. and Pillai, P. P. 1973. The calanoid copepod family Pontellidae from the Indian Ocean. *J. mar. biol. Ass. India*, 15(2) : 771-858.
1968. Silas, E. G. and Pillai, P. P. 1982. Resources of tunas and related species and their fisheries in the Indian Ocean. *Bull. cent. mar. Fish. Res. Inst.*, 32 : 1-174.
1969. Silas, E. G. and Pillai, P. P. 1985a. A critique on national tuna fishery. *Bull. cent. mar. Fish. Res. Inst.*, 36 : 8-19.

1970. Silas, E. G. and Pillai, P. P. 1985b. Indian tuna fishery development : Perspectives and a management plan. *Bull. cent. mar. Fish. Res. Inst.*, 36 : 193-216.
1971. Silas, E. G., Rajagopalan, M. and Fernando, A. B 1983. Sea turtles of India - Need for a crash programme on conservation and effective management of the resource. *Mar. Fish. Infor. Ser., CMFRI*, 50 : 1-12.
1972. Silas, E. G. and Sankaran Kutty, C. 1960. On the castle building habit of the crab *Cardisoma carnifex* (Herbst) (Family : Geocarcinidae) of the Andaman Islands. *J. mar. biol. Ass. India*, 2 : 237-240.
1973. Silas, E. G., Sarvesan, R. and Rao, K. S. 1985. Octopod resources. *Bull. cent. mar. Fish. Res. Inst.*, 37 : 137-139.
1974. Silas, E. G., Sarvesan, R. and Meiyappan, M. M. 1985. Oceanic squids. *Bull. cent. mar. Fish. Res. Inst.*, 37 : 140-145.
1975. Silas, E. G. and Srinivasan, M. 1970. Chaetognaths of the Indian Ocean, with a key for their identification. *Proc. Indian Acad. Sci.*, 71 : 177-192.
1976. Silas, E. G. and Toor, H. S. 1961. On some new records of pig-face brems (Family Lethrinidae : Pisces) from the Andaman Sea. *J. mar. biol. Ass. India*, 3(1&2) : 208-214.
1977. Silas, E. G. and Toor, H. S. 1962. *Lethrinella conchyliatus* Smith (Lethrinidae : Pisces), a new record from Indian seas. *J. mar. biol. Ass. India*, 4(1-2) : 243-245.
1978. Singh, B. 1982. Livestock feeds and feeding in Andamans. *Indian dairym.*, 34 : 239-245.
1979. Singh, B. 1983. Scientific cattle feeding in Andamans. *Dairy Guide*, 21(3) : 23-24.
1980. Singh, B. and Rao, J. R. 1983. Cassava in poultry rations. *Poultry Guide*, 21(4) : 31-40.

1981. Singh, B. N. 1971. Distribution of most common inversions of *Drosophila ananassae* in different parts of India including A & N Islands. *Indian Biol.*, 2(2) : 78-81.
1982. Singh, B. N. 1986. Genetic similarity between natural populations of *Drosophila ananassae* from Kerala and Andaman and Nicobar Islands. *Genetica*, 69 : 143-147.
1983. Singh, I. N. 1977 Andaman and Nicobar Islands. Vikas Publishers, New Delhi, 240 pp.
1984. Singh, L. A. K. 1986. Crocodiles : status and management. In : *Wildlife Wealth of India*. (Ed. T. C. Majumuria), Tecpress Service, Bangkok, 261-275.
1985. Singh, N. 1986. Forests and wildlife. In : *Wildlife Wealth of India* (Ed. T. C. Majumuria), Tecpress Service, Bangkok, 58-63.
1986. Singh, N. T., Gangwar, B., Rao, G. C. and Sounderarajan, R. 1987 *Proceedings of the Symposium on management of coastal ecosystems and oceanic resources of the Andamans*. Andaman Science Association, Port Blair, 121 pp.
- 1987 Singh, P. 1976a. Additional early pliocene diatoms and silicoflagellates from Neil Island, South Andaman. *Curr. Sci.*, 45 : 593-594.
1988. Singh, P. 1976b. Note on the late pliocene-early pleistocene Ostracoda and Foraminifera from Neil Island, South Andaman. *Curr. Sci.*, 45 : 760.
1989. Singh, P. and Vimal, K. P. 1972. Note on the Ostracoda and Foraminifera from the pliocene of Neil Island, South Andaman. *Curr. Sci.*, 41 : 203-204.
1990. Singh, P. and Vimal, K. P. 1973. Note on the late pleistocene of the Neil Island, South Andaman. *Curr. Sci.*, 42 : 843-844.

1991. Singh, P and Vimal, K. P 1974. Biostratigraphic zones in the archipelago group of the Neil Island, South Andaman. *Curr. Sci.*, 43(3) : 83-84.
1992. Singh, R. and Talwar, P. K. 1978. On a new species of silverbelly, *Leiognathus indicus* (Pisces : Leiognathidae) from the Bay of Bengal. *Bull. zool. Surv. India.*, 1(3) : 275-277
1993. Singh, R. and Talwar, P. K. 1978. On the little known ponyfish, *Gazza achlamys* Jordan and Starks (Pisces : Leiognathidae) in Indian waters. *Curr. Sci.*, 47(23) : 930-931.
1994. Singh, R. K. and Khatri, T C. 1987 A new record of the genus *Delias* (Rhopalocera : Lepidoptera) from A & N Islands. *J. Andaman Sci. Assoc.*, 3(1) : 55.
1995. Singh, S. 1974. Some aspects of the ecology and geography of Diptera. In : *Ecology and biogeography of India*, (Ed. M. S. Mani). Dr. W Junk B. V Publishers, The Hague, 500-516.
1996. Singh, S. 1986. *Conserving India's natural heritage*. Nataraj Publishers, Dehra Dun, 219 pp.
1997. Sinha, B. P., Het, R. and Saxena, A. 1991. Marine national Park, Wandoor (A & N Islands) : a difficult but novel management challenge. *Indian Forester*, 117(10) : 871-877
1998. Sinha, P. K. and Das, M. S. 1958. On a new Stephanofilariasis in buffalo in Andaman Islands. *Proc. Indian Sci. Congr.*, 45(3) : 416.
1999. Sinha, S. and Dasgupta, R. 1989. A note on the malarial parasite of the crab-eating monkey of Nicobar Islands. *J. Beng. nat. Hist. Soc.*, 8 : 63-88.
2000. Sinha, T B. 1951. Some Indian spiders of the family Argiopidae. *Rec. Indian Mus.*, 49(1) : 67-88.

2001. Sinha, Y P. 1977 Taxonomic status of *Megaderma spasma majus* Andersen (Chiroptera : Megadermatidae). *J. Bombay Nat. Hist. Soc.*, **74**(1) : 156-157
2002. Sivaprakasam, T E. 1976. The off-shore fisheries. *The Andaman and Nicobar Information*, **1** : 173-175.
2003. Sivaprakasam, T E. 1979. The living resources of Andaman and Nicobar Seas. *The Andaman and Nicobar Information*, **1** : 82-89.
2004. Sivaprakasam, T E. 1980. On the usual occurrence of the common dolphin, *Delphinus delphis* Linnaeus, in longline catches at Port Blair, Andamans. *J. Bombay nat. Hist. Soc.*, **77**(2) : 320-321.
2005. Smith, E. A. 1878. On a collection of marine shells from Andaman Islands. *Proc. zool. Soc. Lond.*, **10** : 804-821.
2006. Smith, E. A. 1894. Natural history notes from H. M. Indian Marine Survey Steamer "Investigator", Commander C. F Oldham R. N. - Ser. II. No. 10. Report upon some Mollusca dredged in the Bay of Bengal and the Arabian Sea. *Ann. Mag. nat. Hist.*, (6) **14** : 157-174.
2007. Smith, E. A. 1896. Natural history notes from H. M. Indian Marine Survey Steamer "Investigator", Commander C. F Oldham R. N Ser. II, No. 22. Descriptions of new deep-sea Mollusca. *Ann. Mag. nat. Hist.*, (6) **18** 367-375.
2008. Smith, E. A. 1899. Natural history notes from H. M. Indian Marine Survey Steamer "Investigator", Commander T H. Heming R. N. Series III. Mollusca from the Bay of Bengal and the Arabian Sea. *Ann. Mag. nat. Hist.*, **7**(4) 237-251.
2009. Smith, E. A. 1904a. Natural history notes from H. M. Indian Marine Survey Steamer "Investigator" On Mollusca form the Bay of Bengal and Arabian Sea. *Ann.*

Mag. nat. Hist., 13 ; 453-473.

2010. Smith, E. A. 1904b. Natural history notes from H. M. Indian Marine Survey Steamer "Investigator" On Mollusca from the Bay of Bengal and Arabian Sea. *Ann. Mag. nat. Hist.*, 14 : 1-14.
2011. Smith, E. A. 1906. Natural history notes from RIMS Investigator, Series III, No. 10. On Mollusca from the Bay of Bengal and the Arabian Sea. *Ann. Mag. nat. Hist.*, (7) 18 : 157-175 ; 245-263.
2012. Smith, M. A. 1926. *A monograph of the sea snakes*. British Museum (Natural History), London, 130 pp.
2013. Smith, M. A. 1931. *The fauna of British India including Ceylon and Burma. Reptilia and Amphibia*. Vol. 1. *Loricata, Testudines*. Taylor and Francis Ltd., London, 185 pp.
2014. Smith, M. A. 1935. *The fauna of British India including Ceylon and Burma. Reptilia and Amphibia*. Vol. II. *Sauria*. Taylor and Francis Ltd., London, 440 pp.
2015. Smith, M. A. 1940. Contribution to the herpetology of the Andaman and Nicobar Islands, *Proc. Linn. Soc. Lond.*, 152(2) : 101-122.
2016. Smith, M. A. 1941. The herpetology of the Andaman and Nicobar Islands. *Proc. Linn. Soc. Lond.*, 153 : 150-158.
2017. Smith, M. A. 1943. *The fauna of British India including Ceylon and Burma. Reptilia and Amphibia*. Vol. III. *Serpentes*. Taylor and Francis Ltd., London, 584 pp.
2018. Smith, M. M. and Heemstra, P. C. 1986. *Smith's Sea Fishes*. Macmillan & Co. Ltd., South Africa, 1047 pp.
2019. Smith-Vaniz, W F and Springer, V G. 1971. Synopsis of the tribe Salariini with description of five new genera and three new species (Pisces : Blenniidae). *Smithson.*

Contr. Zool., 73 : 1-72.

2020. Snyder, T. E. 1949. Catalogue of the termites (Isoptera) of the world. *Smithson. misc. collns.*, 112 : 1-490.
2021. Sokolova, M. N. and Pasternak, F. A. 1964. Quantitative distribution and trophic zonation of the bottom fauna in the Bay of Bengal and Andaman Sea. *Trudy. Inst. Okeanol. Mova, Lend.*, 64 : 271-296.
2022. Solimabi, B., Das, B., Mittal, P. K. and Kamat, S. Y. 1981. Bromine and iodine content in sponges and algae of the Andaman Sea. *Indian J. mar. Sci.*, 10(3) : 301-302.
2023. Soota, T. D. 1970. On the new locality record of a brachiopod from Andamans. *Proc. Indian Sci. Congr.*, 57(3): 451 (Abstract).
2024. Soota, T. D. 1977. An appraisal of the survey of the Bay Islands. *Newsl. zool. Surv. India*, 3(5) : 255-256.
2025. Soota, T. D. 1980. New locality record of *Pipistrellus camortae* Miller from Car Nicobar and its systematic status. *Rec. zool. Surv. India*, 77(1-4) : 83-87.
2026. Soota, T. D. 1981. On some nematodes from the unnamed collection of the Zoological Survey of India, along with the description of a new species. *Rec. zool. Surv. India*, 79 : 55-71.
2027. Soota, T. D. 1983. Studies on nematode parasites of Indian vertebrates. I. Fishes. *Rec. zool. Surv. India, Occ. paper*, 54 : 1-352.
2028. Soota, T. D. 1991. Freshwater sponges of India. *Rec. zool. Surv. India. Occ. Paper.*, 138 : 1-116.
2029. Soota, T. D. and Bhattacharya, S. B. 1992. On the validity of the species of the genus *Pallisentis* van Cleve, 1920 (Acanthocephala : Pallisentidae) from the Indian subcontinent. *Rec. zool. Surv. India*, 80 : 157-167.

2030. Soota, T D. and Chaturvedi, Y. 1971. On the new locality record of a bat, *Pipistrellus camortae* Miller, from Car Nicobar and a note on its systematic status. *Proc. Indian Sci., Congr. Ass.*, 58(3) : 547-548 (Abstract).
2031. Soota, T D. and Chaturvedi, Y 1972. The helminth fauna of Andaman and Nicobar : Nematoda. *Rec. zool. Surv. India*, 66(1-4) : 287-301.
2032. Soota, T D. and Ghosh, G. C. 1977 On some Indian leeches. *Newsl. zool. Surv. India*, 3(6) : 358-361.
2033. Soota, T D. and Halder, K. R. 1980. Further records of earthworms from the Andaman and Nicobar Islands, India. *Rec. zool. Surv. India*, 77(1) : 1-5.
2034. Soota, T D. and Julka, J. M. 1970. Notes on earthworms of the Andaman and Nicobar Islands, India. *Proc. zool. soc., Calcutta*, 23(2) : 201-206.
2035. Soota, T D. and Kansal, K. C. 1972. The helminth fauna of Andaman and Nicobar Islands : Acanthocephala. *Rec. zool. Surv. India*, 66(1-4) : 303-307
2036. Soota, T D., Misra, A. and Chakraborty, R. K. 1980. Polychaete fauna of Andaman and Nicobar Islands. *Rec. zool. Surv. India*, 77(1-4) 55-69.
2037. Soota, T D., Mukhopadhyay, S. K. and Samanta, T. K. 1983. On some holothurians from the Andaman and Nicobar Islands. *Rec. zool. Surv. India*, 80(3-4) : 507-524.
2038. Soota, T D. and Rao, C. A. N 1977 On some polychaetes from Andaman and Nicobar Islands. *Rec. zool. Surv. India* 73 : 197-210.
2039. Soota, T D. and Sastry, D. R. K. 1977 A note on two species of *Echinaster* Mueller and Troschel (Echinodermata : Asteroidea) from Indian Ocean. *Newsl. zool. Surv. India*, 3 (4) : 168-169.

2040. Soota, T D. and Sastry, D. R. K. 1979. Notes on two species of *Echinaster* Mueller and Troschel (Echinodermata : Asteroidea) from the Indian Ocean. *Rec. zool. surv. India*, **75** : 343-352.
2041. Soota, T D., Srivastava, C. B. and Ghosh, R. K. 1969. Studies on the helminth fauna of the Great Nicobar Island. Trematoda. *Proc. Indian Sci. Congr.*, 56(3) : 503 (Abstract).
2042. Soota, T. D., Srivastsava, C. B. and Ghosh, R. K. 1970a. Studies on the helminth fauna of the Great Nicobar Island. Part I. Trematoda. *Proc. Indian Acad. Sci.*, 72(6) : 241-250.
2043. Soota, T D., Srivastava, C. B. and Ghosh, R. K. 1970b. Studies on the helminth fauna of the Great Nicobar Island. Part I. Trematoda. *Proc. Indian Acad. Sci. Congr.*, 56 (3) : 465 (Abstract).
2044. Soota, T E., Srivastava, C. B. and Ghosh, R. K. 1971. Studies on the helminth fauna of the Great Nicobar Island. Part II. Nematoda and Acanthocephala. *Proc. Indian Acad. Sci.*, 73(1) 20-29.
2045. Soota, T D., Srivastava, C. B. and Ghosh, R. K. 1973. Studies on the helminth fauna of the Great Nicobar Island. Trematoda. *Rec. zool. Surv. India*, 67(1-4) : 281-285.
2046. Soundararajan, R. 1986a. Techniques of prawn and fish seed production for culture. *Workshop-cum-Seminar on integrated farming systems, C. A. R. I., Port Blair*, 1 : 125-130.
2047. Soundararajan, R. 1986b. Brackishwater prawn and fish culture. *Workshop-cum-Seminar on integrated farming Systems, C. A. R. I., Port Blair*, 1 : 131-139.
2048. Soundararajan, R. 1987 Integrated systems for brackish

water fish farming. *Workshop-cum-Seminar on integrated farming systems, C. A. R. I., Port Blair*, 1: 28-36.

2049. Soundararajan, R. 1989. *Crown-of-Thorns Starfish*. SANE Awareness Series, 3 : 1-6.
2050. Soundararajan, R. and Dorairaj, K. 1986. Mussel culture in the Andamans. *CARI, Ext. Bull.*, 4 : 1-8.
2051. Soundararajan, R. and Dorairaj, K. 1987a. Coastal aquaculture in Andamans – prospects and problems. *Proc. Symp. On management of Coastal ecosystems and Oceanic resources of the Andamans. Andaman Sci. Assoc.*, 1 : 71-79.
2052. Soundararajan, R. and Dorairaj, K. 1987b. Marine fisheries development in Andaman and Nicobar Islands. *National Symp. on R & D in marine fisheries. Abstracts. CMFRI Spl. Pub.*, 40 : 85-86.
2053. Soundararajan, R. Dorairaj, K. and Jagadish, J. 1988. Experimental culture of green mussel, *Perna viridis* (Linnaeus) in the Andamans. *J. Andaman Sci. Assoc.*, 4(1) : 61-66.
2054. Southwell, T 1930a. *The fauna of British India, including Ceylon and Burma. Cestoda. Vol. I.* Taylor and Francis Ltd., London, 391 pp.
2055. Southwell, T 1930b. *The fauna of British India, including Ceylon and Burma. Cestoda. Vol. II.* Taylor and Francis Ltd., London, 262 pp.
2056. Sowerby, G. B. 1893. On a specimen of *Xenophora pallidula* Reeve, taken off Port Blair (Andamans) at a depth of 188 fathoms with attachments of pleurotomidae, including a new form. *Proc. malac. Soc. Lond.*, 1 : 1-38.
2057. Springer, S. 1978. A revision of the cat-sharks, family Scyliorhinidae. *NOAA Tech. Rep. NMFS Circ.*, 422 : 1-152.

2058. Springer, V G. 1967 Revision of the 'circumtropical shorefish genus *Entomacrodus* (Blenniidae : Salariaeinae). *Proc. U. S. natn. Mus.*, 122 : 1-150.
2059. Springer, V G. 1971. Revision of the fish genus *Escenius*. *Smithson. Contrib. Zool.*, 72 : 1-74.
2060. Springer, V G. 1978. Synonymization of the family Oxudercidae, with comments of the identity of *Apocryptes cantoris* Day (Pisces : Gobiidae). *Smithson. Contr. Zool.*, 270 : 1-14.
2061. Springer, V G. and Gomon, M. F 1975. Revision of the blennioid fish genus *Omobranchus*, with descriptions of three new species and notes on other species of the tribe Omobranchini. *Smithson. Contr. Zool.*, 177 : 1-135.
2062. Springer, V G. and Smith-Vaniz, W F 1968. Systematics and distribution of the monotypic Indo-Pacific blennioid fish genus *Atrosalarias*. *Proc. U. S. natn. Mus.*, 124 : 1-12.
2063. Sreenivasan, P. V and Sarvesan, R. 1990. On the cephalopods collected during the exploratory survey in the Andaman Nicobar seas. *Proc. Workshop Scient. Resul. Sagar Sampada*, 409-413.
2064. Srinivasan, M. 1991. Chaetognatha. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 553-558.
2065. Srinivasan, M. S. 1969. Miocene Foraminifera from Hut Bay, Little Andaman Island, Bay of Bengal. *Contr. Cushman Fdn. foramin. Res.*, 20 : 102-105.
2066. Srinivasan, M. S. 1973. New Foraminifera from the upper miocene to middle pliocene of Andaman and Nicobar Islands, Bay of Bengal. *Bull. Indian Geolog. Assoc.*, 6(1) : 13-22.
2067. Srinivasan, M. S. 1976. Palaeobathymetric trends of the

- late cenozoic foraminiferal assemblages of Ritchie's Archipelago, Andaman Sea. *Proc. Colloq. Micropalaeontology and Stratig. Varanasi*, 1 : 18 pp.
2068. Srinivasan, M. S. and Azmi, R. J. 1979. Correlation of late cenozoic marine sections in Andaman – Nicobar, Northern Indian Ocean and Equatorial Pacific. *J. palaeont.*, 53(6) : 1401-1415.
2069. Srinivasan, M. S. and Rajshekhar, C. 1981. New benthic Foraminifera from the late cenozoic of Ritchie's Archipelago, Andaman Sea. *Biovigyanam*, 7(1) : 1-8.
2070. Srinivasan, M. S. and Sharma, V 1969. New planktonic Foraminifera from the late tertiary of Car Nicobar Island, Bay of Bengal. *Contr. Cushman Fdn. foramin. Res.*, 20 : 100-101.
2071. Srinivasan, M. S. and Sharma, V 1973. Stratigraphy and microfauna of Car Nicobar Islands, Bay of bengal. *J. geol. Soc. India*, 14(1) : 1-11.
2072. Srinivasan, M. S. and Sharma V 1974. The age of Car-Nicobar Foraminifera described by Schwager in 1866. *Revta exp. Micropalaeont.*, 6(2) : 173-181.
2073. Srinivasan, M. S. and Srivastava, S. S. 1975. Late neogene biostratigraphy and planktonic Foraminifera of Andaman and Nicobar Islands, Bay of Bengal, late neogene epoc boundaries. *Micropalaeontology, Specia Publ.*, 1 : 124-161.
2074. Srivastava, C. B. 1982. *The fauna of India and adjacent countries. Platyhelminthes : Trematoda : Digenea* (Supplement). Zoological survey of India, Calcutta, 163 pp.
2075. Srivastava, C. B. 1991a. Platyhelminthes. In : *Animal Resources of India : Protozoa to Mammalia : State of the Art*. Zoological Survey of India, Calcutta. 1 : 51-68.

2076. Srivastava, C. B. 1991b. Acanthocephala. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological survey of India, Calcutta, 1 : 115-118.
2077. Srivastava, G. K. 1975. Report on the Andaman Survey 1975. *Newsl. zool. Surv. India*, 1(3) : 31-32.
2078. Srivastava, G. K. 1976. Catalogue of Oriental Dermaptera. *Rec. zool. Surv. India, Occ. Paper*, 2 : 1-94.
2079. Srivastava, G. K. 1986. Studies on Indian Labiduridae (Dermaptera). *Rec. zool. Surv. India, Occ. Paper*, 39 : 1-36.
2080. Srivastava, G. K. 1987. Notes and illustrations on some Dermaptera (Insecta) preserved in the 'Rijks museum van Natuurhizke Historie Leiden'. *Bull. zool. Surv. India*, 8 (1-3) 47-56.
2081. Srivastava, G. K. 1988. *The fauna of India and adjacent countries. Dermaptera, Part I. Super family : Pygidicranoidea*. Zoological Survey of India, Calcutta, 268 pp.
2082. Srivastava, G. K. 1991. Dermaptera. In : *Animal resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 285-289.
2083. Srivastava, P. D. 1968. Role of hermit crabs in the biological control of *Achatina fulica* Bowdich on the Andamans. *Indian J. Ent.*, 30 (3) : 217-219.
2084. Srivastava, P. D. and Abbas, S. R. 1973. How to check the spread of giant African snail. *Entomologist's Newsletter*, 3 (5) : 36.
2085. Srivastava, P. D., Abbas, S. R. and Srivastava, Y. N. 1971. Some vertebrate predators of giant African snail. *Entomologists's Newsletter*, 1(1) : 5.
2086. Srivastava, P. D. and Srivastava, Y. N. 1967

Orthomorpha sp., a new predatory millipede on *Achatina fulica* in Andamans. *Experientia*, **23** : 776.

2087. Srivastava, P. D. and Srivastava, Y. N. 1968. Role of snails disease in the biological control of *Achatina fulica* Bowdich, 1822 in the Andamans. *Veliger*, **10** : 320-321.
2088. Srivastava, V. D. 1991a. Collembola : In : *Animal resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, **1** : 237-241.
2089. Srivastava, V. D. 1991b. Odonata. In : *Animal resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, **1** : 253-258.
2090. Stapylton, J. M. 1933. Early arrival of snipe in the Andamans. *J. Bombay nat. Hist. Soc.*, **36** : 507
2091. Starmuhlner, F. 1977. Results of the Austrian-Indian Hydrobiological Mission 1976 to the Andaman Islands. Part. I. Preliminary Report. *Aquatic Biology*, **18** : 139-172.
2092. Starmuhlner, F. 1980. The freshwater gastropoda of the Andaman Islands. *Holiotia*, **10**(2) : 133-136.
2093. Starmuhlner, F. 1982. Occurrence, distribution and geographical range of the freshwater gastropods of the Andaman Islands. *Malacologia*, **22** : 455-462.
2094. Starmuhlner, F. 1984a. Results of the Austrian-Indian Hydrobiological Mission 1976 to the Andaman Islands. Part IV The freshwater gastropods of the Andaman Islands. *Ann. Naturhist. Mus. Wien*, **86** : 145-204.
2095. Starmuhlner, F. 1984b. Results of the Austrian-Indian Hydrobiological Mission 1976 to the Andaman Islands. Part. VII. List of fishes collected in running waters of Andaman Islands. *Ann Naturhist. Mus. Wien*, **96** : 219-224.

2096. Starmuhlner, F 1985. Rare and endangered marine molluscs- review. *Proc. Symp. Endangered Marine Animals and Marine Parks*, 1 : 371-382.
- 2097 Starmuhlner, F 1987 Check-list of the macro and mesofauna of running waters of South and North Andaman. In : *Advances in Aquatic Biology and Fisheries* (Ed. P. Natagajan), 1 : 379-404.
2098. Steene, R. C. 1978. *Butterfly fishes and Angelfishes of the world*. Vol. I. Mergus Verlag Melle, Sydney, Australia, 144 pp.
2099. Stehmann, M. 1976. Revision der Rajoiden – Artern des nordlichen Indischen Ozean und Indo-Pazifik (Elasmobranchii, Batoidea, Rajiformes). *Beaufortia*, 24 (315) : 133-175.
2100. Steinmann. H. 1981. The Dermaptera of the Museo civico di storia Naturale di Millano with description of *Forcipula leonardi* n. sp. *Atti Soc. ital. Sci. nat.*, 122(3-4) : 157-170.
2101. Stephen, A. C. and Edmonds, S. J. 1972. *The phyla Sipuncula and Echiura*. Trustees of the British Museum (Nat. Hist.), London, 528 pp.
2102. Stephenson, J. 1916. On a collection of Oligochaeta belonging to the Indian Museum. *Rec. Indian Mus*, 12 : 294-354.
2103. Stephenson, J. 1923. *The fauna of British India, including Ceylon and Burma. Oligochaeta*. Taylor and Francis Ltd., London, 518 pp.
2104. Stephenson, J. 1925. On some Oligochaeta mainly from Assam, South India and the Andaman Islands. *Rec. Indian Mus.*, 17(2) : 43-73.
2105. Stephenson, W. and Rees, M. 1967. Some portunid crabs from the Pacific and Indian Ocean in the collections of the Smithsonian Institution. *Proc. U. S. natn. Mus.*, New

York, 120 (355) : 1-114.

2106. Stock, J. H. 1986. Amphipoda : Ingolfiellidea. In : *Stygofauna Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. (Ed. L. Botosaneanu). E. J. Brill, Leiden, 581-584.
- 2107 Stoddart, D. R. 1972. Coral reefs of the Indian Ocean. *Proc. Symp. corals and coral reefs. Mar. Biol. Ass. India*, 1 : 155-174.
2108. Stoliczka, F 1870a. Observations on some Indian and Malayan Amphibia and Reptilia. *J. Asiat. Soc. Beng.*, 39 : 134-228.
2109. Stoliczka, F 1870b. Note on the kitchen middens of Andaman Islands. *J. Asiat. Soc. Beng.*, 40(1) : 13-23.
2110. Stoliczka, F 1870c. Note on a few species of Andamanese land shells lately described in American journal of Conchology. *Proc. Asiat. Soc. Beng.*, 1870 : 86-88.
2111. Stoliczka, F 1871. Notes on some Indian and Burmese ophidians. *J. Asiat. Soc. Beng.*, 40(2) : 421-445.
2112. Stoliczka, F 1873. Notes on some Andamanese and Nicobarese Reptilia with the description of three new species of lizards. *J. Asiat. Soc. Beng.*, 42(2) : 162-169.
2113. Subbaiah, K. S. 1983. Rat damage to oil palm plantation in Little Andaman. *Rodent Newsletter*, 7(2) : 3-4.
2114. Subbaiah, K. S. and Mathur, R. P. 1991. Integrated rodent management of plantation crops in Bay Islands. *J. Andaman Sci. Assoc.*, 7(1) : 66-70.
2115. Subba Rao, N. V 1970. On the collection of Strombidae (Mollusca : Gastropoda) from Bay of Bengal, Arabian Sea and Western Indian Ocean, with some new records. I. Genus—Strombus. *J. mar. biol. Ass. India*, 12 (1-2) : 109-

124.

2116. Subba Rao, N. V 1977 On the collection of Strombidae (Mollusca : Gastropoda) from Bay of Bengal, Arabian and Western Indian Ocean –2. Genera *Lambis*, *Terebellum*, *Tibia* and *Rimella*. *J. mar. Biol. Ass. India*, 19(1) : 21-34.
- 2117 Subba Rao, N. V 1980a. On the Conidae of Andaman and Nicobar Islands. *Rec. zool. Surv. India*, 77 (1-4) : 39-50.
2118. Subba Rao, N. V 1980b. New record of *Nerita (Theliostyla) patula* Recluz 1841 (Mollusca : Gastropoda) from Andaman and Nicobar Islands, with a note on the species. *Rec. zool. Surv. India*, 77(1-4) : 71-74.
2119. Subba Rao, N. V 1989a. *Handbook on freshwater molluscs of India*. Zoological Survey of India, Calcutta, 290 pp.
2120. Subba Rao, N. V 1989b. Fauna of Andaman and Nicobar Islands : Diversity endemism, endangered species and conservation strategies. In : Cecil J. Saldanha (ed.) *Andaman, Nicobar and Lakshadweep – An Environmental Impact Assessment*. Oxford & IBH Publ. Co., Pvt. Ltd., New Delhi. 74-82.
2121. Subba Rao, N. V 1991. Mollusca. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 125-147
2122. Subba Rao, N. V., Das, A. K. and Mitra, S. C. 1980. On freshwater molluscs of Andaman and Nicobar Islands. *Rec. zool. Surv. India*, 77(1-4) : 215-245.
2123. Subba Rao, N. V and Dey, A. 1986. Contribution to the knowledge of Indian marine molluscs. 2. Family Donacidae. *Rec. zool. Surv. India, Occ. Paper*, 91 : 1-30.
2124. Subba Rao, N. V and Dey, A. 1991. Composition and distribution of marine molluscs of Andaman and Nicobar Islands. *J. Andaman Sci. Assoc.*, 7(2) : 50-55.

2125. Subba Rao, N. V and Mitra S. C. 1990. Land molluscs of Andaman and Nicobar Islands. *Rec. zool. Surv. India, Occ. Paper*, 126 : 1-88.
2126. Subrahmanyam, R. 1973. Hydrography and plankton as indicators of marine resources. *Proc. Symp. Living Resources of Seas around India*, 1 : 199-228.
2127. Suda, A. 1971. Tuna fisheries and their resources in the Indian Ocean. *Biology of Indian Ocean. Proc. IIOD Symp. Biol.* 1 : 431-449.
2128. Sudarsan, D., 1977 Fish trawl catches of Shoal Bay, Port Blair (Andamans) in relation to hydrology and plankton. *Matsya*, 3 : 83-86.
2129. Sudarsan, D. 1978. Results of exploratory survey around the Andaman Islands. *Bull. Expl. Fish. Proj.*, 7 : 1-43.
2130. Sudarsan, D. and Mukhopadhyay, S. K. 1968. Record of the eupommid coral, *Dendrophyllia minuscula* Bourne from the Andamans. *J. mar. biol. Ass. India*, 9(1) : 207-208.
2131. Sujata, S. and Analia, B. 1981. Trace metals in the Andaman Sea and Southern Bay of Bengal. *Indian J. mar. Sci.*, 10 : 238-240.
2132. Sukarno, T. and Jangoux, M. 1977 Revision du genre *Archaster* Mueller at Troschel (Echinodermata, Asteroidea : Archasteridae). *Revue. zool. afr.*, 91 : 817-844.
- 2132a. Sukhanova, I. N. 1962. On the specific composition and distribution of the phytoplankton in the northern Indian Ocean. *Trud. Inst. Okeanol.*, 48 : 27-39.
2133. Sukul, N. C. 1968a. A new species of soil nematode of the genus *Ironus* Bastian, 1865 (Fam. Ironidae) from Andaman Islands, India. *Indian J. Helminth.*, 20 : 53-56.

2134. Sukul, N. C. 1968b. A new species of ironid soil nematode from Andamans, India, with notes on *Oionchus obtusus* Cobb. *Proc. zool. Soc., Calcutta*, 21 : 153-156.
2135. Sukul, N. C. 1969. *Cryptonchulus*, a new genus of soil nematode allied to *Cryptonchus* from Andamans, India. *Indian J. Helminth.*, 21 : 23-26.
2136. Surya Rao, K. V 1974. Intertidal amphipods from the Indian coast. *Proc. Indian natn. Sci. Acad.*, 38 : 190-205.
2137. Swaminath, M. and Nair, M. K. R. 1983. Recent results of tuna long-lining in the Indian Seas. *J. mar. biol. Ass. India*, 25 : 113-117.
2138. Swinhoe, C. and Cotes, E. C. 1889. *A catalogue of the moths on India (Pyrales)*, 5 : 591-670, Calcutta.

T

2139. Tahir, M. 1988. Present status and future scope of fisheries in the Andaman group of islands. *J. Indian Fish. Assoc.*, 18 : 189-195.
2140. Takahashi, K. and Rangsvivakul, N 1983. A comprehensive study on the oceanographic conditions of trawl fishing grounds in the Andamans Sea off the southern west coast of Thailand. *SEAFDEC*, 19 : 1-23.
2141. Taki, I. nd Habe, T 1945. Shipworms from Ambonia and Nicobar. *Jap. J. Malac.*, 14 (1-4) : 118-123.
2142. Talbot, G. 1939. *The fauna of British India including Ceylon and Burma. Butterflies. Vol. I.* Taylor and Francis Ltd., London, 600 pp.
2143. Talbot, G. 1947 *The fauna of British India including Ceylon and Burma. Butterflies. Vol. II.* Taylor and Francis Ltd., London, 506 pp.
2144. Talwar, P. K. 1977 On some fish types described from the R. I. M. S. 'Investigator' collections (1884-1923).

Copeia, 14 : 635-640.

2145. Talwar, P. K. 1981. Identity of the type specimen of the scyliorhinid shark, *Scyllium hispidum* Alcock. *Bull. zool. Surv. India*, 4(2) : 231-234.
2146. Talwar, P. K. 1990a. *The fauna of India and adjacent countries. Sciaenidae (Pisces, Perciformes)*. Zoological Survey of India, Calcutta.
2147. Talwar, P. K. 1990b. Fishes of the Andaman and Nicobar Islands a synoptic analysis. *J. Andaman Sci. Assoc.*, 6(2) : 71-102.
2148. Talwar, P. K. 1990c. On the fishes of the genus *Macilentichthys* Whitley (family Leiognathidae) in Indian waters. *Rec. zool. Surv. India*, 88 : 146-158.
2149. Talwar, P. K. 1991. Pisces. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 577-630.
2150. Talwar, P. K. and Chakrapany, S. 1970. Catalogue of the fishes figured in Day's "fishes of India" and deposited in the Zoological Survey of India, Calcutta. *Rec. zool. Surv. India*, 64 : 121-129.
2151. Talwar, P. K., Chatterjee, T. K. and Roy, M. K. D. 1982. *Oxyurichthys dasi*, a new gobioid (Pisces : Gobiidae) from the Andaman Islands. *Rec. zool. Sur. India*, 79(3-4) : 483-487
2152. Talwar, P. K. and Jhingran, A. G. 1991. *Inland fishes of India and adjacent countries*. Oxford & IBH, Publishing Co. Pvt. Ltd., New Delhi, 2 vols, 1244 pp.
2153. Talwar, P. K. and Kacker, R. K. 1984. *Commercial sea fishes of India*. Handbook. Zoological Survey of India, Calcutta, 997 pp.
2154. Talwar, P. K. and Paul, S. N. 1990. Record of

- Macropharyngodon meleagris* (Valenciennes) (Pisces : Labridae) in Indian waters. *Rec. zool. Surv. India*, (in press).
2155. Tampi, P. R. S. and Rangarajan, K. 1963. On the occurrence of *Arenicola brasiliensis* Monato (Arenicolidae, Polychaeta) in Indian waters. *J. mar. biol. Ass. India*, 5(1) : 108-112.
2156. Tampi, P. R. S. and Rangarajan, K. 1964. Some polychaetous annelids from the Andaman waters. *J. mar. biol. Ass. India*, 6 (1) : 98-121.
2157. Tandon, S. K. 1976. A check-list of the Acridoidea (Orthoptera) of India. Part I. Acrididae. *Rec. zool. Surv. India. Occ. Paper*, 3 : 1-84.
2158. Tandon, S. K. 1988. Distributional pattern of grasshoppers of India : The distribution of Oxynae (Orthoptera : Acridoidea : Acrididae) in Indian region. *Rec. zool. surv. India*, 85(1) : 101-110.
2159. Tandon, S. K., Hazra, A. K. and Shishodia, M. S. 1991. Orthoptera : Acrididae. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 271-273.
2160. Tandon, S. K. and Shishodia, M. S. 1991. Orthoptera : Grylloidea. In : *Animal Resources of India : Protozoa to Mammalia*. Zoological Survey of India, Calcutta, 1 : 236-265.
2161. Tattersall, W. M. 1912. The Percy Sladen Trust Expedition to the Indian Ocean in 1905. Vol. IV, No. IX. On the Mysidacea and Euphausziacea collected in the Indian Ocean during 1905. *Trans. Linn. Soc. Lond.*, 15(1) : 119-136.
2162. Tattersall, W. M. 1925. Freshwater Amphipoda from the Andaman Islands. *Rec. Indian Mus.*, 27 (4) : 241-247.

2163. Thakur, M. L. and Sen-sarma, P. K. 1979. Revision of the termite genus *Heterotermes* Froggatt (Isoptera, Rhinotermitidae, Heterotermitinae) from the Indian region. *Indian Forest Rec. (N.S.) Ent.*, 13 (2) : 1-27
2164. Thampi, C. J. 1972. Soil of Andaman and Nicobar Islands. In : T. M. Alexander, *Soils of India*, F. A. I., New Delhi, 296 pp.
2165. Thampi, P. R. S. 1973. Phyllosoma larvae of the Indian Ocean. *J. mar. biol. Ass. India*, 15(2) : 560-565.
2166. Thangam, E. S. 1966. Introduction of some birds in A. & N. Islands during 1960-1965. *Indian Forester*, 92 : 28-32.
2167. Thapliyal, B. S. 1978. Economic potential of Andaman and Nicobar Islands. *The Andaman & Nicobar Information*, 1 : 136-145.
2168. Theel, H. 1882. Report on the Holothuroidea derdged by H. M. S. *Challenger* during the years 1873-76. Part I. *Rep. Sci. Res. Challenger (Zool)*, 7 : 1-176.
2169. Theel, H. 1886. Report on the Holothuroidea derdged by H. M. S. *Challenger* during the years 1873-1876. Part II. *Rep. Sci. Res. Challenger (Zool.)* 14 : 1-290.
2170. Theobald, W. 1876. *Descriptive catalogue of the reptiles of British India*. Indian Museum, Calcutta. 206 pp.
2171. Thomas, M. M. 1977. Decapod crustaceans new to Andaman and Nicobar Islands. *Indian J. Fish.*, 24 : 56-61.
2172. Thomas, M. M. 1989. On a collection of hermit crabs from the Indian waters. *J. mar. biol. Ass. India*, 31 : 59-79.
2173. Thomas, P. A. 1968. Studies on Indian sponges-I. *J. mar. biol. Ass. India*, 10(2) : 245-249.
2174. Thomas, P. A. 1969. *The goat fishes (family Mullidae) of the Indian seas*. Memoir 3, Marine Biological Association

of India, 174 pp.

2175. Thomas, P. A. 1976. The history of spongology of Indian Ocean. *J. mar. biol. Ass. India*, 18(3) : 610-625.
2176. Thomas, P. A. 1977 Studies on Indian sponges. VIII. Four new records of silicious sponges, *Chinochalina glabra* (Ridley and Dendy), *Higginsia mixta* (Hentschel), *Geodia lindgreni* (Lendenfeld) and *Prchamphilla dendyi* Hentschel, from the Indian Ocean. *J. mar. biol. Ass. India*, 19(1) : 115-122.
- 2177 Thomas, P. A. 1979. Boring sponges destructive to economically important molluscan beds and coral reefs in Indian seas. *Indian J. Fish.*, 26 : 163-200.
2178. Thomas, P. A. 1983. Distribution affinities of the sponge fauna of the Indian Ocean. *J. mar. biol. Ass. India*, 25 7-16.
2179. Thomas, P. A. 1991. Marine Porifera. In : *Animal resources of India : Protozoa to Mammalia : State of Art*. Zoological Survey of India, Calcutta, 1 : 19-29.
2180. Thomas, P. A. and George, R. M. 1986. A systematic appraisal of the commercially important gorgonids of the Indian Seas. *J. mar. biol. Ass. India*, 28 96-112.
2181. Thomas, P. C. 1981. Studies on Nicobar fowl. *Annual Scientific Report, CARI, Port Blair*, 1 : 31-32.
2182. Thomas, H. A. and Boomruang, P. 1983. A microscopical study of marine collared flagellates (Choanoflagellida) from the Andaman Sea. *Protistologica*, 19(2) : 193-214.
2183. Thomson, H. A. and Boomruang, P. 1984. A light and electron microscopical investigation of loricate chornoflagellates from Andaman Sea, Thailand and Denmark. *Zool. Surv.*, 13(3) : 165-181.
2184. Thompson, J. A. and Henderson, W D. 1905. *An account*

of the alcyonarians collected by the RIMS Investigator in the Indian Ocean. II. The alcyonarians of the littoral area. Trustees of the Indian Museum, Calcutta, 318 pp.

2185. Thorell, T. 1892. On some spiders from the Andaman Islands collected by E. W. Oates. *Ann. Mag. nat. Nist.*, 9(6) : 226-237
2186. Thornely, L. R. 1907. Report on the marine Polyzoa in the collection of the Indian museum. *Rec. Indian Mus.*, 1(3) : 179-196.
2187. Thornely, L. R. 1916. The marine Polyzoa of the Indian Ocean from H. M. S. Sealark. *Trans. Linn. Soc. Lond. Zool.*, 15(2) : 137-157
2188. Tikader, B. K. 1973. A new species of rare spider of the Genus *Ctenus* (Family Ctenidae) from Andaman Islands, India. *Curr. Sci.*, 42(24) : 862-863.
2189. Tikader, B. K. 1976. Report on the spider fauna of Andaman and Nicobar surveys, 1970 and 1971. *Newsl. zool. Surv. India*, 2(3) : 98.
2190. Tikader, B. K. 1977. Studies on the spider fauna of Andaman & Nicobar Islands. *Rec. zool. Surv. India*, 72 : 153-212.
2191. Tikader, B. K. 1981. Revision of spiders of the genus *Ctenus* Walckenaer from India (Araneae : Ctenidae). *Rec. zool. Surv. India*, 79 : 105-124.
2192. Tikader, B. K. *The fauna of India and adjacent countries. Spiders : Araneae. Vol. II.* Zoological Survey of India, Calcutta, 533 pp.
2193. Tikader, B. K. 1983. *Threatened animals of India.* Zoological Survey of India, Calcutta, 307 pp.
2194. Tikader, B. K. 1984. *Birds of Andaman and Nicobar Islands.* Zoological Survey of India, Calcutta, 167 pp.

2195. Tikader, B. K. 1988. *Handbook on Indian spiders*. Zoological Survey of India, Calcutta, 251 pp.
2196. Tikader, B. K. and Bastawade, B. D. 1983. *The fauna of India and adjacent countries. Arachnida : Scorpionida : Scorpions. Vol. III*. Zoological Survey of India, Calcutta, 671 pp.
2197. Tikader, B. K. and Biswas, B. 1981. Spider fauna of Calcutta and vicinity. *Rec. zool. Surv. India, Occ. paper*, 30 : 1-148.
2198. Tikader, B. K. and Das, A. K. 1985. *Glimpses of animal life of Andaman and Nicobar Islands*. Zoological Survey of India, Calcutta, 170 pp.
2199. Tikader, B. K., Daniel, A. and Subba Rao, N. V 1986. *Sea shore animals of Andaman and Nicobar Islands*. Zoological Survey of India, Calcutta, 188 pp.
2200. Tikader, B. K. and Malhotra, M. S. 1980. *The fauna of India and adjacent countries. Spiders : Araneae. Vol. I*. Zoological Survey of India, Calcutta, 446 pp.
2201. Tikader, B. K. and Sharma, R. C. 1985. *Handbook on Indian Testudines*. Zoological Survey of India, Calcutta, 156 pp.
2202. Tikader, B. K. and Sharma, R. C. 1992. *Handbook on Indian lizards*. Zoological Survey of India, Calcutta, 250 pp.
2203. Tilak, R. 1987 *The fauna of India and the adjacent countries. Pisces : Schizothroacinae*. Zoological Survey of India, Calcutta, 215 pp.
- 2203a. Tirmizi, N. M. 1966. Crustacea Galatheidæ. *Scient. Rep. John Murray Exped. 1933-34*, 11(2) : 169-234.
2204. Tiwari, K. K. 1961. The eggs and flight of geko *Ptychozoon kuhli* Stejneger from Car Nicobar. *J. Bombay nat. Hist.*

Soc., 58(2) : 523-526.

2205. Tiwari, K. K. and Biswas, S. 1952. On two new species of the genus *Squilla* Fabr., with notes on other stomatopods in the collections of the Zoological Survey of India. *Rec. Indian Mus.*, 49 : 349-363.
2206. Tiwari, K. K. and Biswas, B. 1969. Taxonomy and distribution of common Indian rodents. *Proc. Indian Rodent Symp.* (1966), Calcutta, 1 : 9-45.
2207. Tiwari, K. K. and Biswas, S. 1973. Two new reptiles from the Great Nicobar Island. *J. zool. Soc. India*, 25(1-2) : 57-63.
2208. Tiwari, K. K. and Biswas, S. 1974. A new species of agamid lizard of the genus *Calotes* Reftinesque (Sauria : Agamidae) and a bronze-back snake *Dendrelaphis* Boulenger (Serpentes, Colubridae) from the Great Nicobar. *J. zool. Soc. India*, 25 : 57-63.
2209. Tiwari, K. K., Das, A. K., Dev Roy, M. K. and Khan, T N. 1980. On the wood-borers of mangroves of Andaman and Nicobar Islands, India, with a note on the gallery pattern of some insect borers. *Rec. zool. Surv. India*, 77(1-4) : 357-362.
2210. Tiwari, K. K. and Pillai, R. S. 1973. Shrimps of the genus *Macrobrachium* Bate 1868 (Crustacea, Decapoda, Caridae, Palaemonidae) from the Andaman and Nicobar Islands. *J. zool. Soc. India*, 25 : 1-35.
2211. Tiwari, K. K. and Pillai, R. S. 1971. Atyid shrimps of the genus *Caridina* Milne – Edwards 1837, from the Andaman Islands (Decapoda, Caridae). *Crustaceana*, 21(1) : 79-91.
2212. Tiwari, K. K. and Pillai, R. S. 1974. Shrimps of the genus *Macrobrachium* Bate, 1861 (Crustacea : Decapoda : Caridae : Palaemonidae) from the Andaman and Nicobar Islands. *J. zool. Soc. India*, 25(1-2) : 1-36.

2213. Tiwari, R. N. and Jonathan, J. K. 1986a. A new species of *Liomyrmex* Mayr, from Andaman Islands (Hymenoptera : Formicidae). *Rec. zool. Surv. India*, 83 : 87-90.
2214. Tiwari, R. N. and Jonathan, J. K. 1986b. A new species of *Metapone* Forel from Nicobar Islands (Hymenoptera : Formicidae, Myrmecinae). *Rec. zool. Surv. India*, 83 : 149-153.
2215. Tiwari, S. K. 1991. *Zoogeography of Indian amphibians : distribution, diversity and spatial relationship*. To-day and Tomorrow's Printers and Publishers, New Delhi, 187 pp.
2216. Topgi, R. S. Noronha, R. J. and Fondekar, S. P 1981. Dissolved petroleum hydrocarbons in the Andaman Sea. *Indian J. mar. Sci.*, 10(3) 241-242.
2217. Totton, A. K. 1954. Siphonophora of the Indian Ocean together with systematic and biological notes on related species from other oceans. 'Discovery' *Rep.*, 27 1-161.
2218. Trewavas, E. 1964. The sciaenid fishes with a single mental barbel. *Copeia*, 1 107-117.
2219. Trewavas, E. 1977 The sciaenid fishes (croakers or drums) of the Indo-West Pacific. *Trans. Zool. Soc. Lond.*, 33(4) 253-541.
2220. Tryon, G. W 1896. Description of new species of terrestrial molluscs from the Andaman Islands, Indian archipelago. *J. Conch.*, 5 109-111.
2221. Tsing-Chao, M. 1938. The Indian species of the genus *Xylocopa* Latr. (Hymenoptera). *Rec. Indian Mus.*, 40(3) 265-329.
2222. Tsuruta, A. 1963. Distribution of plankton and the characteristics in the oceanic fishing grounds with special reference to their relation to fishery. *J.*

Shimonoseki. Coll. Fish., 12(1) 13-214.

2223. Tyler, J C. 1966. A new genus and species of triacanthodid fish (Plectognathi) from the Indian Ocean. *Notul Nat.*, 385 1-5.
2224. Tyler, J C. 1968. *A monograph on plectognath fishes of the super-family Triacanthoidae*. Monograph 16. Academy Natural Sciences, Philadelphia, 365 pp.
2225. Tytler, C. 1864. Description of a new species of *Paradoxurus* from the Andaman Islands. *J. Asiat. Soc. Beng.*, 33 188.
2226. Tytler, L. C. R. C. 1864. Observations on a few species of geckos alive in the possession of the author. *J. Asiat. Soc. Beng.*, 33 535-548.
2227. Tytler, R. C. and Beaven, R. 1867 The avifauna of Andaman Islands. *Ibis*, (2) 3 314-334.

U

2228. Uda, M. and Nakamura, Y 1973. Hydrography in relation to tuna fisheries in the Indian Ocean. *Spl. Publication Dr. N. K. Panikkar. Mar. Biol. Ass. India*, 91 276-292.
2229. Unnithan, R. V 1968. Six new species of monogenetic trematode parasites on the gills of marine fishes from Indian seas. *Truebia*, 27 141-164.
2230. Unnithan, V K. 1991. *Prospects of developing farming systems and trade of the giant African snail Achatina fulica in the Andaman and Nicobar Islands*. A survey report. Central Island Capture Fisheries Research Institute, Barrackpore, 13 pp.
2231. Upadhyaya, V S. 1976. The Nicobarese and their ecosystem. *J. Social Res.*, 19(2) : 124-132.

V

2232. Vanucci, M. and Navas, D. 1973. Distribution of hydromedusae in the Indian Ocean. In *The biology of the Indian Ocean*. (Eds. B. Zeitzschel and S. A. Gerlach). Springer Verlag, Berlin, 273-281.
2233. Vari, R. P. 1978. The terapon perches (Percoidei, Teraponidae). A cladistic analysis and taxonomic review. *Bull. Am. Mus. nat. Hist.*, 159(5) 175-340.
2234. Varmah, J. C. 1960. *Forestry in the Andaman and Nicobar Islands*. Forest Research Institute Dehra Dun, 54 pp.
2235. Varmah, J. C. 1976. Forest management in Andamans. *Indian Forester*, 102(2) 73-85.
2236. Varshney, R.K. 1982. On some pseudococcids from the Andaman Islands (Homoptera Pseudococcidae). *Rec. zool. Surv. India*, 80 107-109.
2237. Varshney, R. K. 1985. A review of Indian coccids (Homoptera Coccoidea). *Oriental Ins.* 19 1-101.
2238. Varshney, R. K. 1986. Threatened butterflies of the Indian region. In *Wildlife Wealth of India* (Ed. T C. Majupuria), Tecpress Service, Bangkok, 104-116.
2239. Vazirani, T. G. 1970. Contributions to the study of aquatic beetles (Coleoptera). I. On a collection of Dystiscidae from South Andaman Islands. *Oriental Ins.*, 4(2) 177-184.
2240. Vazirani, T. G. 1973. Contributions to the study of aquatic beetles (Coleoptera). II. On a collection of Gyrinidae, Dytiscidae and Hydrophilidae from Andaman Islands. *Rec. zool. Surv. India*, 67(1-4) : 81-85.

2241. Vazirani, T G. 1984. *The fauna of India. Coleoptera : Gyrinidae, and Haliplidae*. Zoological Survey of India, Calcutta, 324 pp.
2242. Veenakumari, K. and Mohanraj, P. 1991. *Erionata thrax thrax* L. (Lepidoptera : Hesperidae), a new record to Andaman Islands. *J. Andaman Sci. Assoc.*, 7(2) : 91-92.
2243. Venkatachalam, T E. 1984. Fishery Survey in Andaman and Nicobar waters. *The Daily telegrams*, 15 th Aug. (Spl. Issue), 7-8 pp.
2244. Venkataraman, K. 1991. Freshwater Cladocera of Little Andaman. *J. Andaman Sci. Assoc.*, 7(2) 43-49.
2245. Verghese, G. 1983. Elephant, backbone of Andaman forest industry and its management. *Hundred years of forestry in Andamans*, 1 99-101.
2246. Vidyarthi, L. P. 1971. Ranchi tribes in Andaman and Nicobar Islands. *J. Soceal Res.*, 14(2) 50-59.
- 2247 Vinci G. K., Unnithan, V K., and Sugunan V V 1990. *A manual of farming, processing and marketing of Giant African Snail Achatona fulica*. Central Island Capture Fisheries Research Institute. Barrackpore, 35 pp.
2248. Vredenburg. E. W 1917 Description of some specimens *Pleurotoma congener* Smith from the Andaman Sea, with special reference to some peculiarities of the apertures. *Rec. Indian Mus.*, 13 : 315-320.

W

2249. Wafar, M. V M. 1986. Corals and coral reefs of India. *Proc. Indian Acad, Sci.*, (Supplement), 1 : 19-43.

2250. Walden, A. V 1866a. On a collection of birds from Andaman Islands. *Proc. zool. Soc. London*, 8 : 296-321.
2251. Walden, A. V 1866b. Notes on birds collected in Tenasserim and in the Andaman Islands. *Proc. zool. Soc. London*, 9 : 537-556.
2252. Walden, A. V. 1874a. On a further collection of birds made by Lt. R. V. Ramsay, F. Z. S. in the Andaman Islands. *Ann. Mag. nat. Hist.*, 4 . 127-149.
2253. Walden, A. V 1874b. Description of some new species of birds. *Ann. Mag. nat. Hist.*, 14 156-158.
2254. Walden, A. V 1874c. On *Megapodius trinkutensis* Sharpe. *Ann. Mag. nat. Hist.*, 14 : 163-164.
2255. Walker, B. 1975. *Marine tropical fish in colour*. Blandford Press, Hong Kong, 256 pp.
2256. Walker, E. P. 1964. *Mammals of the world* (2nd Edition). Vol. I & II, Johns Hopkins Press, Baltimore, 1500 pp.
2257. Wall, F 1907-10. A monograph of the sea snakes (Hydrophiidae). *Mem. Asiat. Soc. Beng.*, 2 169-251.
2258. Wall, F 1914. Occurrence of cantor's water snake in the Andamans. *J. Bombay nat. Hist. Soc.*, 23 : 166.
2259. Walsh, J. H. T. 1891. Natural history notes from H. M. Indian Marine Survey Steamer 'Investigator', Commander R. F Hoskyn, R. N., commanding. No. 24. List of deep-sea holothurians collected during seasons 1887-1891 with descriptions of new species. *J. Asiat. Soc. Beng.*, 60(2) : 197-204.
2260. Waston, G. E., Zusi, R. L. and Storer, R. W 1963. *Preliminary field guide to the birds of the Indian Ocean*. Smithsonian Institution, Washington, 1-

225.

2261. Wattal, B. L., Kalra, N. L. and Krishnan, S. 1966. Description of *Culex (Mochthogenes) shrivastavii* n. sp. from Andaman Islands, India. *Bull. Indian Soc. Malaria*, 3 : 159-161.
2262. Webb, J. E. 1956. Cephalochordata. *Scient. Rep. John Murray Exped.*, 10 : 123-128.
2263. Weber, M. and deBeaufort, L. F. 1913a. *The fishes of the Indo-Australian Archipelago. Vol. 2. Malacoplenygii, Myctophoidea, Ostariophyri : I. Siluroidae*. E. J. Brill Ltd., Leiden, 404 pp.
2264. Weber, M. and deBeaufort, L. F. 1913b. *The fishes of the Indo-Australian Archipelago. Vol. 3*. E. J. Brill, Leiden, 455 pp.
2265. Weber, M. and de Beaufort, L. F., 1922. The fishes of the Indo-Australian Archipelago. Vol. 4. E. J. Brill, Leiden, 410 pp.
2266. Weber, M. and de Beaufort, L. F., 1929. *The fishes of the Indo-Australian Archipelago. Vol. 5*. E. J. Brill, Leiden, 458pp.
2267. Weber, M. and de Beaufort, L. F., 1931. *The fishes of the Indo-Australian Archipelago. Vol. 6*. E. J. Brill, Leiden, 448 pp.
2268. Weber, M. and de Beaufort, L. F., 1936. *The fishes of the Indo-Australian Archipelago. Vol. 7*. E. J. Brill, Leiden, 607 pp.
2269. Welch, K. R. G., Cooka, P. S., and Wright, A. S., 1990. *Lizards of the Orient. A check-list*. Robert, E. Kreiger Publishing Co., Malabar, Florida, 162 pp.
2270. Wells, J. B. J. 1980. A revision of the genus *Longipedia* Claus (Crustacea, Copepoda,

- Harpacticoida). *Zool. J. Linn. Soc.*, 70 103-189.
2271. Wells, J. B. J. 1986. Copepoda Marine interstitial Harpacticoida. IN *Stygofauna Mundi : A faunistic, distributional and ecological synthesis of the world fauna inhabiting subterranean waters*. (Ed. L. Botosaneanu) E. J. Brill, Leiden, 1 356-381.
2272. Wells, J. B. J. 1975., Kunz, H. and Rao, G. C. 1975. A review of the mechanisms for movement of the caudal fauna in the family Paramesochridae (Copepoda, Harpacticoida) with a description of a new species of *Kliopsyllus* Kunz. *Microfauna Meeresbodens*, 53 177-190.
2273. Wells, J. B. J. and Rao, G. C. 1976. The relationship of the genus *Schizopera* Sars within the family Diosaccidae (Copepoda Harpacticoida). *Zool. J. Linn. Soc.*, 58 79-100.
2274. Wells, J. B. J. and Rao, G. C. 1987 Littoral Harpacticoida (Crustacea Copepoda) from Andaman and Nicobar Islands. *Mem. zool. Surv. India*, 16(4) 1-385.
2275. Wells, S. 1990. Rainforests of the sea. *The Indian Magazine*, 11 31-42.
2276. Wells, S. M. 1981. International trade in ornamental corals and shells. *Proc. Fourth International Coral Reef Symposium*, 1 323-330.
- 2277 Westheide, W. 1990. *Meiopriapulius fijiensis* Morse (Priapulida) from South Andaman, another example of large scale geographical distribution of interstitial marine meiofauna taxa. *Proc. biol. Soc. Wash.*, 103 784-788.
2278. Westheide, W. and Rao, G. C. 1977. On some species of the genus *Hesionides* (Polychaeta, Hesionidae)

from Indian sandy beaches. *Cah. Biol. Mar.*, 18 : 275-287

2279. Wewalka, G. 1982. Results of the Austrian-Indian Hydrobiological mission 1976 to the Andaman Islands. Part 9. Dytiscidae (Coleoptera). *Koleopt. Runshau, Rdsch.*, 56 : 115-125.
- 2279a. Whitaker, R. 1977. A note on the sea turtles of Madras. *Indian Forester*, 103 : 733-734.
2280. Whitaker, R. 1978a, Herpetological survey in the Andamans. *Hamadryad*, 3(1) : 9-15.
2281. Whitaker, R. 1978b. Birth record of the Andaman pit-viper (*Trimeresurus purpureomaculatus*). *J. Bombay nat. Hist. Soc.*, 75(1) : 233.
2282. Whitaker, R. 1978c. *Common Indian snakes – A field guide*. The Macmillan & Co. of India Ltd., New Delhi., 154 pp.
2283. Whitaker, R. 1979. The elephants of Interview Island. *IUCN Elephant Newsletter*, 8 : 12-14.
2284. Whitaker, R. 1980. King cobra notes. *Hamadryad*, 5(1) : 5-6.
2285. Whitaker, R. 1983. Crocodile resources in the Andamans and Nicobars. *Bull. cent. mar. Fish Res. Inst.* 34 : 100-101.
2286. Whitaker, R. 1984a. Conservation and development in the Andaman Islands. *Proc. Seminar Conservation of the Indian Heritage*, Cambridge, U. K., 1-16.
2287. Whitaker, R. 1984b. Recovery and management programmes for sea turtles in India : their value, logistics and problems. *Proc. Workshop Sea turtle conservation, CMFRI Special Publ.*, 18 : 67-75.
2288. Whitaker, R. 1985a. Rational use of estuarine and

marine reptiles. *Proc, Symp. Endangered Marine Animals and Marine Parks*, 1 : 298-303.

2289. Whitaker, R. 1985b. *Endangered Andamans : Managing tropical moist forests*. Environmental Service Group WWF – India, MAN India, Deptt. of Environment, New Delhi, 54 pp.
2290. Whitaker, R. 1991. Suspected case of death by pit-viper bite. *Hamadryad*, 16 : 37
2291. Whitaker, R. and Daniel, J. C. 1978. The status of Asian crocodilians. *Tiger Paper*, 5 : 12-17
2292. Whitaker, R. and Daniel, J. C. 1980. The status of Indian crocodilians. *J. Bombay nat. Hist. Soc.*, supplement, 75 : 42-50.
2293. Whitaker, R. and Whitaker, Z. 1978. Preliminary survey of the saltwater crocodile (*Crocodylus porosus*) in the Andaman Islands. *J. Bombay nat. Hist. Soc.*, 75(1) : 43-49.
2294. Whitaker, R. and Whitaker, Z. 1979. Notes on *Phelsuma andamanensis*, the Andaman day gecko or green gecko. *J. Bombay nat. Hist. Soc.*, 75(2) : 497-499.
2295. Whitaker, R. and Whitaker, Z. 1980. Distribution and status of *Varanus salvator* in India and Srilanka. *Herpet. Review*, 11(3) : 81-82.
2296. White, K. M. 1945. On two species of *Aglaja* from the Andaman Islands. *Proc. malac. Soc. Lond.*, 26 : 91-102.
2297. White, R. S. 1924. A revision of the sub-family Sarcophaginae in the Oriental region. *Rec. Indian Mus.*, 26(3) : 193-283.
2298. Whitehead, G. 1924. *In the Nicobar Islands*. Society

Service & Co. Ltd., London, 282 pp.

2299. Whitehead, J H. 1912. Woodcock (*Scolopax rusticola*) in Andamans. *J. Bombay nat. Hist. Soc.*, 21 . 1085.
2300. Whitehead, P. J. P. 1963. A revision of the recent round herrings (Pisces : Dussumieriidae). *Bull. Br. Mus. nat. Hist. (zool.)*, 10(6) 305-308.
2301. Whitehead, P. J. P 1967 Indian Ocean anchovies collected by the *Anton Brunn* and *Te Vega* 1963-64. *J. mar. biol. Ass. India*, 9(1) : 13-37
2302. Whitehead, P. J. P. 1973. A synopsis of the clupeoid fishes of India. *J. mar. biol. Ass. Inida*, 14(1) 160-256.
2303. Whitehead, P. J. P. 1985. FAO Species catalogue Vol. 7 Clupeoid fishes of the world. An annotated and illustrated catalogue of the herrings, sardines, pilchards, sprats, anchovies and wolf-herrings. Part I. Chirocentridae, Clupeidae and Pristigasteridae. *Biol. fish. Synopses.*, (125)7(1) 1-303.
2304. Whitehead, P. J. P., Nelson, G. J. and Wongratana, T. 1988. FAO species catalogue. Vol. 7 Clupeoid fishes of the world. An annotated and illustrated catalogue of the herrings, sardines, pilchards, sprats, anchovies and wolf-herrings. Part I. Chirocentridae, Clupeidae and Pristigasteridae. *Biol. fish. Synopses.*, (125)7(2) 305-579.
2305. Whitehead, P. J. P. and Talwar, P K. 1976. Francis Day (1829-89) and his collection of Indian fishes. *Bull. Br. Mus. Nat. Hist. (Sr.)*, 5 1-189.
2306. Whitley, G. P. 1929. Studies in ichthyology. No. 3. *Rec. Aust. Mus.*, 17(8) 101-143.
- 2307 Wickham, P F 1910. A note on the nesting of the

- Besra Sparrow – hawk (*Accipiter virgatus*) and the Andaman Night jar (*Caprimulgus – andamanicus*) in the Andamans. *J. Bombay nat. Hist. Soc.*, 19 992-993.
2308. Willams, F 1968. Revision of the genera *Stenocatantops* and *Xenocatantops* (Orthoptera, Acrididae, Catanotopidae). *Monogn. Ned. Entomor. Ver.*, 4 : 1-71.
2309. Williams, F. and Venkataramani, V K. 1978. Notes on the Indo-Pacific carangid fishes of the genus *Carrangoides* Bleeker 1. *Carangoides malabaricus* group. *Bull. Mar. Sci.*, 28(3) : 501-511.
2310. Winckworth, R. 1933. A new chiton from the Andaman Islands. *Proc. malac. Soc. London*, 20 318-319.
2311. Winckworth, R. 1940. Systematic list of the "Investigator" Mollusca. *Proc. malac. soc. Lond.*, 24 19-29.
2312. Wood, E. 1989. Coral mortality on reefs in the Wandoor Marine National Park, Andaman Islands. *Sane Awareness Series*, 4. *Corals*. 14 p. INTACH, Port Blair.
2313. Wood, E. 1991. *Coral reef fish and condition of coral reefs in South Andaman, India*. Andaman Forest Department, Port Blair, 63 pp.
2314. Woodland, D. G. 1990. Revision of the rabbit fishes, family Siganidae. *Indo-Pacific Fishes* 12 242-256.
2315. Woodland, D. G. and Randall, J. E. 1979. *Siganus puelloides*, a new species of rabbitfish from the Indian Ocean. *Copeia*, 3 390-393.
2316. Wood – Mason, J. 1873. On *Nephropsis stenartii* a new genus and species of marcrurous crustaceans

- dredged in deep water of the eastern coast of the Andaman Islands. *Ann. Mag. nat. Hist.* 12 : 59-64.
- 2317 Wood – Mason, J. 1885. On *Nephrosis* (Macrura, Crustacea). *Proc. Asiat. Soc. Beng.*, 54 : 70-72.
2318. Wood – Mason, J. 1888. Description of a new species of the brachyurous genus *Lyreidus* from the depths of the Andaman Sea. *Proc. Asiat. Soc. Beng.*, 56 : 376.
2319. Wood – Mason, J. 1892a. Natural history notes from R. I. M. S. S. Investigator On the results of the deep-sea dredging during the season 1890-91. *Ann. Mag. nat. Hist.*, 8 : 358-370.
2320. Wood – Mason, J. 1892b. Illustrations of the zoology of the Royal Indian Marine Surveying Ship "Investigator" Part I. Crustacea. Calcutta.
2321. Wood – Mason, J. 1893. Natural history notes from H. M. Marine Surveying Steamer "Investigator" On results of the deep-sea dredging during the season 1890-91. *Ann. Mag. nat. Hist.*, 11 : 161-172.
2322. Wood – Mason, J. 1895. Figures and description of nine species of Squillidae from the collection in the Indian Museum, Calcutta, 11 pp.
2323. Wood – Mason, J. and Alcock, A. 1891a. Natural History notes from H. M. Indian Marine Survey Steamer "Investigator" Commander R. F. Hoskyn, R. N., commanding. *Ann. Mag. nat. Hist.*, 7 : 1-19, 186-202, 258-272.
2324. Wood – Mason, J. and Alcock, A. 1891b. Natural History notes from H. M. Indian Marine Survey Steamer "Investigator" Commander, R. F. Hoskyn, R. N., commanding. Series II. No. 1. On the results of the deep-sea dredging during the season 1890-91.

Ann. Mag. nat. Hist., 8 : 16-34, 119-138, 268-288, 353-362, 427-452.

2325. Wood – Mason, J and Alcock, A. 1891c. Natural History notes from H. M. Indian Marine Survey Steamer "*Investigator*" Commander, R. F Hoskyn, R. N., commanding. Series II. No. 1. On the results of the deep-sea dredging during the season 1890-91. *Ann. Mag. nat. Hist.*, 9 358-370.
2326. Wood – Mason, J. and Niceville, L. 1880. List of 'diurnal Lepidoptera from Port Blair, Andaman Islands. *J. Asiat. Soc. Beng.*, 49 : 223-243.
2327. Wood – Mason, J. and Niceville, L. 1882. Second list of diurnal Lepidoptera inhabiting the Nicobar Islands. *J. Asiat. Soc. Beng.*, 11 : 14-20.
2328. Wroughton, R. C. 1918-20. Summary of the results from the Indian mammal Survey. *J. Bombay nat. Hist. Soc.*, 25 : 547-598, 26 19-88, 338-379, 776-802, 955-967, 27 57-85, 301-313.
2329. Wynter-Blyth, M. 1957 *Butterflies of the Indian Region*. Bombay Natural History Society, Bombay, 523 pp.

Y

2330. Yazdani, G. M. 1963. On a new record of a blennid fish, *Petroscirtes kochi* M. Weber, from Andamans. *Curr. Sci.*, 32 (4) : 413.
2331. Yousuf, M. and Shafee, S. A. 1988. Four new species of Coccidae (Homoptera) from Andaman Islands. *Indian J. Syst. Ent.*, 5(2) 57-63.

Z

2332. Zama, L. 1979. Wildlife development in Andaman and Nicobar Islands. *The Daily Telegrams*, 24 7-8.

2333. Zernova, V U 1962. Quantitative distribution of the phytoplankton in the Northern Indian Ocean. *Trudy Inst. Okeanol.*, 48 45-53.
2334. Zernova, V U and Ivanov J. V 1964. On the distribution of phytoplankton as depending from hydrological condition in the northern part of the Indian Ocean. *Trud. Inst. Okeanol. Akad. Nauk. USSR*, 64 257-264

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A D D E N D U M

Alphabetical list of some of the papers published after 1991 and omitted in the main list.

- Acharya, S. 1993. Development threat corals, dollars or people? *The Hindu : Survey of the invironment*, 68-73.
- Ahlawat, S.P.S and Rai, R.B, 1992. Genetic studies on production traits of Nicobari fowl. *Indian J. Poult. Sci.*, **27**(2) : 78-81
- Ahlawat, S.P.S and Rai, R.B 1993 a. Post-mortem and disease diagnosis in birds. *Islands on March*, **6** 34-40
- Ahlawat, S.P.S and Rai, R.B. 1993 b. Breed characteristics of Nicobari fowl in Andamans. *Proc. symp. on farming systems for sustained productivity in humid tropics*, 139-143.
- Ahlawat, S.P.S, Rai, R.B., Bandopadhyay, A.K., Bhattacharya, N.K. and Sinha, B.P 1992. Wild goat on Barron Island of A. & N Islands. *Proc. fifth International conference on goats.*, 1. 82-85
- Ahlawat, S.P.S, Rai, R.B., Bandopadhyay, A.K., Senani, S. Nagarajan, V and Kumar, R.M. 1992. Poultry research and development in Andamans. *Proc. Symp. On poultry farming in humid tropics, ISPA*, 93: 5-13.
- Ahlawat, S.P.S., Sharma, A.K. and Senani, S. 1992. Studies on deoilded coconut and red oil palm cakes in poultry ration. *J. Andaman Sci. Assoc.*, **8**(2): 155-157
- Ahlawat, S.P.S., Rai, R.B. and Sharma, A.K. 1991. Technology for poultry farming in Andamans. *Islands on March*, **2**: 11-14.
- Ahlawat, S.P.S., Rai, R.B. and Sharma, A.K. 1992. Effect of dietary calcium on the performance of white leghorm layer under humid tropics. *J. Andaman Sci. Assoc.*, **8**

(1): 89-91.

- Ali, D.M, Pandian, P.P. Somvanshi, V.S., Johan, M.E. and Reddy, K.S.N 1991. Spear-lobster, *Linuparus somniosus* Berry and George, 1972 (Family : Panuliridae) in the Andaman sea. *Fish. Surv. India., occ. paper*, **6**: 1-13.
- Anon. 1992. *Technologies for increasing agricultural production in Andaman and Nicobar Islands*. Central Agricultural Research Institute, Port Blair, 40 pp.
- Ansari, M.M, Veenakumari, K, and Bandopadhyay, A.K. 1992. Out-break of *Trosea andamanica* Holloway on coconut in Andamans. *Plant. Prot. Bull*, **40** (4): 46-48.
- Bhaskar, S. 1993. The status and ecology of sea turtles in the Andaman and Nicobar Islands. Madras Crocodile Bank, Mamallapuram, 40 pp.
- Bhaskar, S. and Rao, G.C. 1992. Present status of some endangered animals in Nicobar Islands. *J Andaman Sci. Assoc.*, **8**(2): 181-186
- Bhumannavar, B.S. 1991a. New records of Coleoptera from South Andaman. *Entomon*, **16**(2): 163-164.
- Bhumannavar, B.S. 1991b. New record of *Homona permutata* Meyrick (Tortricidae : Lepidoptera) from Andamans. *Entomon*, **16**(4): 335.
- Bhumannavar, B.S. 1992a. Further new records of insect pests on pulse and vegetable crops in South Andaman. *J. Andaman Sci. Assoc.*, **8**(1):74-78.
- Bhumanavar, B.S. 1992b. Bioagents of insect pests in South Andaman. *J. Andaman Sci. Assoc.*, **8**(2): 158-160.
- Biswas, B., Mitra, B. and Ghosh, L.K. 1992. On some Hemiptera from Andaman and Nicobar Islands. *J. Andaman Sci. Assoc.*, **8**(2): 146-154.
- Blanford, W T 1901. The distribution of vertebrate animals in India, Ceylon and Burma. *Phil. Trans. Roy. Soc.*, **194**: 201-436.

- Chandra, K. 1992a. *Holotricha nicobarica*, a new beetle (Coleoptera Scarabacidae) from Nicobar Islands, India. *J. Andaman Sci. Assoc.*, **8**(1): 18-20.
- Chandra, K. 1992b. New records of scarabaeid beetles(Insecta) from Andaman and Nicobar Islands. *J. Andaman Sci. Assoc.*, **8**(1): 79-81.
- Chandra, K, 1992c. Occurrence of the lacebug *Monanthia globulifera* Walker on tulsi in south Andaman. *J. Andaman Sci. Assoc.*, **8**(2): 178.
- Chandra, K. 1993. New records of moths from Bay Islands. *J. Andaman Sci. Assoc.*, **9**: 43-46.
- Chandra, K. and Kumar, S. 1992. Moths (Heterocera Lepidoptera) of andaman and Nicobar Islands. *J. Andaman Sci. Assoc.*, **8**(2) 138-145.
- Chandra. K. and Kumar, S. 1993. Effect of volcanic eruption of Barren Island on environment. *Paryavaran*, **5**(3): 21-22. (In Hindi).
- Chatterjee, T 1992. *Copidognathus krantzi*, a new species of Halacarridae (Acari) from Nicobar Islands (Indian Ocean). *J. Bombay nat. Hist. Soc.*, **89**(1): 106-109.
- Chaturvedi, N, and Hussain, S. A. 1991. Some butterflies of Narcondom Island(Andamans). *J. Bombay nat. Hist. Soc.*, **86**: 463.
- Chaudhuri, A.B. 1992. *Plants, wildlife and man: A conservation scenario of Bay Islands and the Himalayas*. Ashish Publishing House, New Delhi, 276 pp.
- Dam Roy, S. and Joseph, M.M. 1992. Induction of spawning of brown mussel, *Perna indica* (Kuriakose and Nair). *J. Andaman Sci. Assoc.*, **8**(1) 6-11.
- Das, A.K. and Maiti, P.K. 1992. Island fauna : its dispersal, mode of colonisation and evolutionary pattern. *Proc. zool. Soc., Calcutta*, **45**(Suppl. B) 41-55.
- Das, H.H. and Rath, R. 1991. The tribals of *Andaman and*

Nicobar Islands. Ashish Publishing House, New Delhi, 172 pp.

- Deb, M, 1992. Two new species of xanthid crabs from bay Islands. *J. Andaman Sci. Assoc.*, 8(2): 121-124.
- Deb, M. and Rao, G.C. 1993. A check-list of the brachyurn crabs (Crustacea : Decapoda) of the Bay Islands. *J. Andaman Sci. Assoc.*, 9 : 34-42.
- Devi, K. 1991. Dugong, an interesting marine mammal. *Sagar Tarang*, 1: 3-5, (In Hindi).
- Devi, K. and Mitra, B. 1991. Rare and endangered Nicobar magapode. *Paryavaran*, 3(2) 37-39, (In Hindi).
- Devi, K., Rao, D.V and Rajan, P.T 1992. Additions to the gobioid fauna of Andaman and Nicobar Islands. *Environment and Ecology*, 11(4) 812-815.
- Dev Roy, M.K. and Nandi, N.C 1992. Crabs of coastal West Bengal and Andaman Islands, their recognition and fishery information. *J. Indian Soc. Coastal agricul. Res.*, 9 : 69-76.
- Dorairaj, K. 1992. Culture and capture fisheries of Andaman and Nicobar Islands. *Islands on March*, 5 42-45.
- Dorairaj, K. 1993. Prospects of integrated fish culture with poultry in the andamans. *Proc. Symp. on poultry farming in humid tropics*, ISPA, 93: 96-104.
- Dorairaj, K., Soundararajan, R. and Jagadis, I. 1993. *Fishes of Andaman Islands : a check-list*. Central Agricultural Research Institute, Port Blair, 66 pp.
- Douressamy, S and Venugopal, M. S. 1992. Occurrence of rice earhead bugs on maize. *J. Andaman Sci. Assoc.*, 8(1): 98.
- Gangwar, B. and Rao, G.C. 1993. *Farming systems for sustained productivity in humid tropics*. Symposium proceedings. Andaman Science Association, Port Blair, 215 pp.

- Gomes, H.D.R., Goes, J.I. and Parulekar, A.H. 1992. Size fractionated biomass, photosynthesis and dark CO₂ fixation in a tropical oceanic environment. *J. Plankton Res.*, **14**(9) 1309-1329.
- Hyllenberg, J. and Natiwathana, A. 1991. Morphology, internal anatomy and biometrics of the cephalopod *Idiossepius biserialis* Voss, 1962, a new record from Andaman Sea. *Res. Bull. Phuket Mar. Biol. Cent.*, **56**: 1-9.
- Jacob, T.K. 1993. A simple method for assessing the pest status of the cashew leaf miner *Conopomorpha syngamma*. *The Cashew*, **7**(2) 8-9.
- Jacob, T.K. and Bhumannavar, B.S. 1993. Outbreak of the coconut leaf scale *Aspidiotus destructor* Signoret in Andaman Islands. *India. Coconut. J.*, **24**(7) , 6-7
- Khatri, T.C. 1993a. On some lycaenids (Rhopalocera Lepidoptera) from Andaman and Nicobar Islands. *Islands on March*, **6** 8-16.
- Khatri, T.C. 1993b. Increased stress on butterfly fauna of Andaman and Nicobar Islands. *Environ. Cons.*, **20**(2) 82-84.
- Khatri, T.C. and Rishikesh. 1992. *Problems and prospects of environment protection and tourism development*. Seminar proceedings, State Council of Science & Technology, Port Blair, 90 pp.
- Krishnan, S. and Mishra, S. S. 1992. New records of fishes from Andaman Islands. *J. Andaman Sci. Assoc.*, **8**(1) 82-84.
- Krishnan, S.G. 1992. *Fishery potential of Andaman and Nicobar Islands*. Handbook on aquafarming, MPEDA, Cochin, 32 pp.
- Kobayashi, M., Krishna, M.M., Haribabu, C.B. and Anjaneyulu, A. S. R. 1993. Marine sterols 25. Isolation of demethylgoragost - 7 from soft corals of the Andaman and Nicobar coasts. *Chem. Pharm. Bull.*, **41**(1) 87-89.

- Kumar, S. and Chandra, K. 1993. On the crown-of-thorns starfish *Acanthaster planci*. *Paryavaran*, 5(4) 38-39 (In Hindi).
- Kumar, S. and Seema, K. 1992. Little known Diptera of andaman and Nicobar Islands. *J. Andaman Sci. Assoc.*, 8(2) 125-132.
- Kumar, S. and Seema, K. 1993. New records of horse-flies (Diptera Tabanidae) from andaman and Nicobar Islands, *J. Andaman Sci. Assoc.*, 9 : 72-75.
- Lalmohan, R. S. 1991. A review of Sciaenid fishery resources of the Indian Ocean. *J. mar. biol. Ass. India*, 33 134-145.
- Maiti, P.K. 1979. The composition, field biology and zoogeography of termites of the Great Nicobar Island, Indian Ocean. *Proc. zool. Soc, Calcutta*. 30 135-139.
- Mathew L. and Pillai, V.N. 1990. Chemical characteristics of the waters around Andamans during late winter. *Workshop on Sagar Sampada, CMFRI, Cochin*, 15-18.
- Mishra, S.S. and Krishnan, S. 1992. Further new records of fishes from Andaman Islands. *J. Andaman Sci. Assoc.*, 8(2) : 175-177
- Mitra, B, and Maiti, P.K. 1992. Biogeographical analysis of entomofauna of the Great Nicobar Island, Indian Ocean. *Proc. zool. Soc., Calcutta*, 45. (Suppl. A) 501-508.
- Mukherjee, B. 1985. An integrated system of analysis of the coral reef environment and ecology at Chiriatapu in South Andaman. *Proc. Symp. ecological, environmental and biological systems, I.I.T., Kanpur*, 1 35-36.
- Mukherjee, B. and Mehrotra, P.N 1982. The coral reef ecosystem at Chiriatapu in South Andaman. *J. mar. biol. Ass. India*, 34 179-188.
- Mustafa, A.M. 1992. *A report on Barren Island volcano*. Department of ocean Development, Port Blair, 20 pp.
- Nandan, A.P. 1993, *The Nicobarese of Great Nicobar*. Gyan

Publishing House, New Delhi, 112 pp.

- Narayan, G. 1991. Birds in a soup. *Hornbill*, 1 : 8-11.
- Poovachiranon, S. 1992. Biological studies of the mud crab, *Scylla serrata* (Forskal) of the mangrove ecosystem in the Andaman Sea. *Proc. Seminar on mud crab culture and trade, Thailand*, 49-57pp.
- Rai, R.B. and Ahlawat, S.P.S. 1991. Comparative ultra-structural studies on experimental calf scours. *Phil. J. Vet. Med.*, 28(1) : 9-12.
- Rai, R.B. and Ahlawat, S.P.S. 1992a. Reproductive studies on the Nicobari fowl. *Islands on March*, 5 : 16-18.
- Rai, R.B. and Ahlawat, S.P.S. 1992b. Abscessation in rabbits, an etiopathological study. *J. Andaman Sci. Assoc.*, 8(1) 87-88.
- Rai, R. B. and Ahlawat, S.P.S. 1993. Enteric disease in rabbits etiopathological studies. *Indian Vet. J.*, 70(3) 211-214.
- Rai, R.B., Ahlawat, S.P.S. and Saha, P 1993. Comparative evaluation of various treatments against stephanofilarial dermatitis in cattle. *Indian Vet. J.*, 70(4) 360-363.
- Rai, R.B., Ahlawat, S.P.S., Senani, S. and Srivastava, N. 1992. Status of poultry disease in Bay Islands. *Proc. Symp. on poultry farming in humid tropics, ISPA*, 93 : 124-127
- Rai, R.B., Ahlawat., S.P.S. and Singh, S. 1992. Therapeutic evaluation of the efficacy of diethyl carbamazine citrate against stephanofilarial dermatitis in cattle. *Trop. Agricul.*, 69(1) : 2-4.
- Rai, R.B., ahlawat, S.P.S., Srivastava, N. and Mahto, B. 1992. Status of livestock diseases in Andaman and Nicobar Islands. *J. Andaman Sci. Assoc.*, 8(1) : 53-58.
- Rai, R.B. and Kumar, B.V 1993. A note on naturally occurring lymphosarcoma in rabbits in India. *Indian vet. med.*

J., **17** : 36-38.

- Rai, R.B., Kumar, B.V and Ahlawat, S.P.S. 1993. Performance of poultry in Great Nicobar, *J. Andaman Sci. Assoc.*, **9** :68-71.
- Rajan, P.T and Chandra, K. 1993. The giant robber crab *Birgus latro*. *Paryavarn*, 5(4) 41 (In Hindi).
- Rajan, P.T., Rao, D.V and Devi, K. 1992. New records of butterfly fishes from Andaman Islands. *J. Andaman Sci. Assoc.*, **8**(2) : 172-174.
- Rajan, P.T., Rao, D.V and Devi, K. 1993, New records of fusilier fishes (Family : Caesionidae) from Andaman Sea. *J. Andaman Sci. Assoc.*, **9** 76-78.
- Rajasekhar, C. 1992. The genus *Hantkenia* from Baratang Island, Andamans, India. *J. Geol. Soc. India*, **39** (6) :495-501.
- Ramhet, P., Sinha, A.K. and Misra, J.P 1993a. Behavioural studies on Nicobar crab-eating macaque in captivity. *Indian Forester*, **119**(10) : 845-848.
- Ramhet, P., Sinha, A.K. and Misra, J.P 1993b. Behavioural studies on Andaman green imperial pigeon in captivity. *Indian Forester*, **119**(10) : 863-865.
- Ranganath, H.R. and Ram, T 1992. Relative Susceptibility of mung bean to the pulse beetle *Callosobruchus maculatus* (F.). *J. Andaman Sci. Assoc.*, **8**(2) : 103-105.
- Rishikesh, 1992. Environmental education and awareness in the Andaman and Nicobar Islands. *Proc. Seminar on Emvi. Prot. Tour Devt.*, 69-73.
- Rao, D.V., Devi, K. and Rajan, P.T. 1992a. Some new records of wrasses (Family Labridae) from Andaman & Nicobar Islands. *J. Andaman Sci. Assoc.*, **8**(1) : 43-46.
- Rao, D.V., Devi, K. and Rajan, P T 1992b. New records of tetraodontiform fishes from Andaman and Nicobar Islands. *J. Andaman Sci. Assoc.*, **8**(2) 115-120.

- Rao, D.V., Devi, K and Rajan, P.T 1993a. Further new records of fishes from Bay Islands. *J. Andaman Sci. Assoc.*, **9** 51-58.
- Rao, D.V Devi, K. and Rajan, P.T 1993b. Additions to the fish fauna of Andaman and Nicobar Islands. *Environment & Ecology*, 11(4) 882-887
- Rao, D.V., Rajan P.T and Devi, K. 1992. New records of groupers (Family Serranidae) and cardinal fishes (Family Apogonidae) from Andaman and Nicobar Islands. *J. Andaman Sci Assoc.*, **8**(1) 47-52.
- Rao. D.V., Rajan, P T., Devi, K. and Dey.S. 1993. New records of rare fishes from Andaman Islands. *J. Andaman Sci. Assoc.*, **9** 79-82.
- Rao, G.C. 1993a. Littoral meiofauna of Little Andaman. *Rec. zool. Surv. India, Occ. Paper.* **155**: 1-120.
- Rao, G.C. 1993b. *Enhydrosoma littorale* Wells (Copepoda Harpacticoida), new to Bay Islands. *J. Andaman Sci. Assoc.*, **9** 83.
- Rao H.D., Brahamam, G.N V and Rao P.N. 1993. Health and nutritional status of onges of Little Andaman Island. In *Andaman and Nicobar Islanders* (Eds., A. Basu, J Sarkar and A.K. Danda). Indian Anthropological Society, Calcutta, 10 69-83.
- Sarangi, N., Dorairaj, K. and Nageshram, P 1993. Major carp seed production for sustained productivity in Andamans. *Proc. Symp. on farming systems for sustained productivity in humid tropics*, 157-162.
- Sarma, A.L.N. and Chatterjee, T 1993. Record of *Atelopsalis pacifica* Bartsch, 1985 (Halacaridae Acari) from eastern Indian Ocean. *J. Bombay nat. Hist. Soc.*, **90**(1) 117-119.
- Saxena, A. 1992. Management of marine national park at Wandoor, with special reference to tourism. *Proc. Seminar on Envi. Prob. Tour. Devt.*, 64-68.

- Sen-Sarma, P.K. 1992. Forest insect pests, their management and environmental considerations. *Proc. zool. Soc., Calcutta*, **45** (suppl.B): 81-102.
- Shah, N.K. 1992 On a small collection of Rutelinae (Scarabaeidae Coleoptera) from Bay Islands. *Indian J. Forest.*, **15** (2) 176-180.
- Sharma, A.K. 1993. Sustainable integrated fodder farming systems for the Bay Islands. *Proc. Symp. on farming systems for sustained productivity in humid tropics*, 146-156.
- Sharma, A.K., ahlawat, S.P.S. and Rai, R.B. 1992. Fodder production in Bay Islands : its status, problems and prospects. *Islands on March*, **5** : 25-38.
- Sharma, A.K., Dagar, J.C. and Bandyopadhyay, A.K. 1990. *Fodder resources of bay Islands*. CARI Bulletin, No.3, 72 pp.
- Shishodia, M.S., Mitra, B. and Tandon, S.K. 1993. On some Orthoptera of Andaman and Nicobar Island. *J. Andaman Sci. Assoc.*, **9** . 47-50.
- Singh. N.T and Gajja, B.L. 1988. *Ecological considerations and agricultural development of Andaman and Nicobar Islands*. Central Agricultural Research Institute, Port Blair, 55 pp.
- Smith, M.A. 1930. The Reptilia and Amphibia of the Malay peninsula from the Isthmus of Kra to Singapore, including adjacent Islands. *Bull. Raffles. Mus.*, **3** 1-149.
- Srinivasan, M.S. and Singh, D.N. 1992. Upper miocene planktonic Foraminifera from Ekti Bay, Little Andaman Island. *J. Andaman Sci. Assoc.*, **8**(1) 1-5.
- Subbaiah, K.S. 1983. Rodent problem in oil plantations in Hut Bay, Little Andaman and suggested control measures. *Indian J. Farm Chemicals*, **1** 32-40.
- Subrahmanyam, C. and Rao C.V 1993. Monohydroxysterols of

three soft corals of Andaman and Nicobar Islands. *Indian J. Chem.*, **32** : 1090-1092.

Tan, S.M., Dangyong, L., Tetsushi, S. and Kuang, H.K. 1989. A *Colour guide to the fishes of South China Sea and Andaman Sea*. SEAFDEC, Singapore, 51 pp.

Tripathi, K.P and Dorairaj, K. 1993. Design and construction of brackishwater farm for aquaculture in Andamans. *Proc. Symp. on farming systems for sustained productivity in humid tropics*, 163-166.

Venkataraman, K. 1992a. Biology of *Daphnia similis* claus and *Daphnia cephalata* King, under different temperature conditions. *J. Andaman Sci. Assoc.*, **8**(1) : 12-17

Venkataraman, K. 1992b. Freshwater Cladocera of Port Blair, South Andaman. *J. Andaman Sci. Assoc.*, **8** (2) 133-137

Venkataraman, K. 1992c. Occurrence of the male cladoceran of *Moinodaphnia macleayii* (King) in Oriental Region, *J Andaman Sci. Assoc.*, **8**(2) 179-180.

Venkataraman, K. 1993. *Centrocypris horrida* Vavra (Crustacea : Ostracoda) new to Andamans. *J. Andaman Sci. Assoc.*, **9** : 84.