

REFERENCES

- Abdul Azis, P.K. 1978 Ecology of the retting grounds in the backwater system of Kerala. *Ph.D. Thesis, University of Kerala*, 773 pp.
- Abdul Azis, P.K. and Nair, N.B. 1983 Meiofauna of the Edava Nadayara Paravur backwater system, south west coast of India. *Mahasagar*, 16 (1); 55-65.
- Abdul Azis, P.K. and Nair, N.B. 1986 Ecology of the coconut husk retting grounds in Kerala. *Proc. Symp. Coastal Aquaculture*, 4: 1115 -1130.
- Ajmal Khan, S., Vivekanandan, E. and Balasubramanyan, K. 1975 Bottom fauna in two regions of the Vellar estuary. In: *Recent researches in estuarine biology R.Natarajan (Ed.) Hindustan Pub. Corpn., (I) Delhi*, 255-272.
- Alvarez Borrego, J. and Alvarez Borrego, S. 1982 Temporal and spatial variability of temperature in two coastal lagoons. *Cal COFI Rep.*, XXIII, 188-197.
- Alvarez Leon, R. 1980 Hydrology and zooplankton of three estuaries adjacent to Mazatlan, Sinaloa, Mexico. *An: Cent. Cienc. Mary Limnol. Univ. Nac. Auton. Mex.*, 7(1) : 177-194.
- Anilkumar, N., Sankaranarayanan, V.N. and Josanto, V. 1999 Studies on mixing of the different salinity gradients using Richardsons number and the suspended sediment distribution in the Beypore estuary, south west coast of India. *Indian J. Mar. Sci.*, 28:29-34.
- Anila kumary, K.S., Abdul Azis, P.K. and Natarajan, P. 2001 Sediment characteristics of Poonthura estuary (southwest coast of India) in relation to population. *Indian J. Mar. Sci.*, 30:75-80.
- Annandale, N. 1907 Fauna of brackishwater ponds of Port Canning, lower Bengal. *Rec. Indian. Mus.*, 1.
- Annandale, N. and Kemp, S. 1915 Fauna of Chilka lake: Introduction. *Mem. Indian Mus.*, 5: 1-20.
- Ansari, Z.A. 1974 Macrobenthic production in Vembanad Lake. *Mahasagar*, (3 & 4):197-200.
- Ansari, Z.A. 1977 Macrobenthos of the Cochin backwater. *Mahasagar*, 10 (3&4) : 169-171.
- Ansari, Z.A., Rodrigues, C.L., Chatterji, A. and Parulekar, A.H. 1982 Distribution of meiobenthos and macrobenthos at the mouth of some rivers of the east coast of India. *Indian J. Mar. Sci.*, 11:341-343.
- Ansari, Z.A., Sreepada, R.A., Kanti, A. and Gracias, E.S. 1994 Macrobenthic assemblage in the soft sediment of Marmugao harbour, Goa (Central west coast of India). *Indian J. Mar. Sci.*, 23:225-231.

- Anvar Batcha, S.M. 1997 Studies on intertidal and benthic macrofauna of Dammam corniche and half moon bay beaches of the Arabian Gulf. *J. Mar. Biol. Ass. India*, 39 (1&2):40-43.
- Anvar Batcha, S.M. 2000 Studies on sediments of north Vembanad lake. *Asian J. Microbiol. Biotech. & Env. Sci.*, 2(3&4):167-177.
- Anzari, S.A. and Rajagopal, M.D. 1974 Distribution of mud phosphate in the Cochin back-water. *Mahasagar*, 7: 69-72.
- Arunachalam, M., Divakaran, O., Nair, N.B. and Balasubramanian, N.K. 1982 Seasonal variation of zooplankton of the Veli lake, south-west coast of India. *Arch. Hydrobiol.*, 93:359 - 374.
- Asokan, K. 1987 Plankton of Manakkudy estuary. *M.Phil. Thesis, Scott Christian College*, 94 pp.
- Balasubramanian, T. 1974 Seasonal variations in chlorophyll 'a' of some tropical environments. *Curr. Sci.*, 43(5):153-154.
- Balusamy, P. 1988 Hydrobiological studies of Muthupet estuary. *Ph.D. Thesis, Bharathidasan University*, 123 pp.
- Balusamy, P., Kalidasan, K. and Rahaman A. Abdul. 1987 Primary productivity of Muthupet estuary, Thanjavur District. *Symposium on Aquatic Organisms. Abstracts: 9 p., A.V.V.M. Sri Pushpam College, Poondi.*
- Banerjee, A.C. and Roy Choudhury, N.C. 1966 Observations on some physico-chemical features of the Chilka lake. *Indian J. Fish.*, 13 (1 & 2): 395-429.
- Banse, K. 1974 The nitrogen - phosphorus ratio in the photic zone of the sea and the elemental composition of the plankton. *Deep Sea Res.*, 23 : 767 - 771.
- Barlow, R.G. 1982 Phytoplankton ecology in the Southern Benguela current, 1. Biochemical composition, 2. Dynamics of a bloom, 3. Carbon assimilation patterns. *J. Exp. Mar. Biol. Ecol.*, 63: 209-239.
- Barrett, M.J. 1972 The effects of pollution in Thames estuary. *In: Estuarine environment. R.S.K. Barnes and J.Green (Ed.) Applied Science, London*, 119-122.
- Bayly, I.A.E. 1980 A preliminary report on the zooplankton of the Purari estuary. Aquatic ecology of the Purari river catchment. *T.Petr (Ed.) Purari river (wabo) Hydro electric scheme environmental Studies*, 11: 7-11.
- Bennekom, A.J., Erijgaman-Van Hartingsveld, Van de Veer and Van Voorst, H.F.J. 1974 The seasonal cycles of reactive silicate and suspended diatoms in the Dutch Wadden Sea. *Neth. J. Sea Res.*, 8: 174-207.

- Bhargava, R.M.S., Bhattathiri, P.M.A. and Devassy, V.P. 1977 Relative contribution of nanoplankton to the primary production of two estuaries of Goa. *Mahasagar*, 10: 61-66.
- Bhargava, R.M.S. and Dwivedi, S.N. 1973 Diurnal variation in phytoplankton pigments in Mandovi estuary, Goa. *Indian J. Mar. Sci.*, 2 (1) : 27-31.
- Bhargava, R.M.S. and Dwivedi, S.N. 1974 Diurnal variation in phytoplankton pigments in Zuari estuary, Goa. *Indian J. Mar. Sci.*, 3 (2) : 142-145.
- Bhargava, R.M.S., Selvakumar, R.A. and Singbal, S.Y.S. 1973 Hydrobiology of surface waters along Panaji - Bombay coast. *Indian J. Mar. Sci.*, 2:103-107.
- Bhat, B.V. and Gupta, T.R.C. 1983 Zooplankton distribution in Nethravati-Gurupur estuary, Mangalore. *Indian J. Mar. Sci.*, 12: 36-42.
- Bhat, J.V. and Nambudiri, A.M.D. 1971 The uniqueness of coir retting. *J.Sci.Inst. Res.*, 30:12.
- Bhat, J.V., Nambudiri, A.M.D. and Venkata Rao, B. 1972 Pattern of bacterial and yeast populations of coir rets. *Coir*, 17:1.
- Bhat, U.G. and Neelakantan, B. 1988 Environmental impact on the macrobenthos distribution of Kali estuary, Karwar, central west coast of India. *Indian J. Mar.Sci.*, 17:134-142.
- Bhat, J.V., Prabhu, G.N., Parimala Varadaraj, Kuntala, K.G. and Ambuja. 1974 Investigations on anaerobic retting of coconut husk. *Coir*, 7: 27-29.
- Bhatnagar, G.P. 1971 Primary organic production and chlorophyll in Kille backwater, Porto Novo (South India). In : *Proceedings of the symposium on "tropical ecology with an emphasis on organic productivity"*. (Ed.) P.M. Golley and F.B. Golley (New Delhi; Mimco) : 351-362.
- Bhattathiri, P.M.A., Devassy, V.P. and Bhargava, R.M.S. 1976 Production at different trophic levels in the estuarine system of Goa. *Indian J. Mar.Sci.*, 5: 83-86.
- Bhattathiri, P.M.A., Devassy, V.P. and Radhakrishna, K. 1980 Primary production in the Bay of Bengal during south west monsoon of 1978. *Mahasagar*, 13 (4): 315-324.
- Bhavanarayana, P.V. 1975 Some observations on the benthic distribution in the Kakinada Bay. In: (Natarajan R.Ed.) *Recent researches in estuarine biology*, Hindustan Pub.Co., Delhi, 146-150.
- Bianchi, S. and Argyrou, M.E. 1997 Temporal and spatial Dynamics of particulate organic carbon in the lake Pontchartrain estuary, south east Louisiana, U.S.A. *Estuarine, Coastal and Shelf Science*, 45:557-569.

- Bijoy Nandan, S. 1991 Effect of coconut husk retting on the water quality and biota of an aquatic biotope in Kerala. *Ph.D. Thesis, University of Kerala*, 621.
- Bijoy Nandan, S. and Abdul Azis, P.K. 1996 Organic matter of sediments from the retting and non-retting areas of Kadinamkulam estuary. *Indian J.Mar.Sci.*, 25: 25-28.
- Bijoy Nandan, S., Abdul Azis, P.K. and Natarajan, P. 1989 Water quality and faunal depletion in the retting zones of the backwaters of Kerala. *Proc. First Kerala Science Congress*, 167-175.
- Blaber, S.J.M., Farmer, M.J., Milton, D.A., Pang, J., Boon-Teck, O. and Wong, P. 1997 The ichthyoplankton of selected estuaries in Sarawak and Sabah: composition, distribution and habitat affinities. *Estuarine, Coastal and Shelf Sci.*, 45: 197-208.
- Blegvad, H. 1930 Quantitative investigations of bottom invertebrates in Kattegat with special reference to plaice food. *Rep. Danish. Biol. Stn.*, 36: 16.
- Boesch, D.F. 1973 Classification and community structure of macrobenthos in the Hampton Roads Area. *Mar.Biol.*, 21:226-244.
- Bolter, M., Meter-Reil, L.A., Dawson, R., Liebezeit, G., Wolter, K. and Szwerinski, H. 1981 Structure and analysis of shallow water ecosystem. Interaction of microbiological, chemical and physical characteristics measured in the overlying waters of sandy ocean sediments. *Estuar. Coast.Shelf.Sci.*, 13 (5): 548-556.
- Bousfield, E.L. and Filteau, G. 1975 Population dynamics of zooplankton in the middle St. Lawrence estuary. In: *Estuarine Research, I. Cronin, L.E. (Editor). Academic Press, New York, NY: 325-351.*
- Boynton, W.R., Kemp, W.M. and Osborne, C.G. 1980 Nutrient fluxes across the sediment water interface in the turbid zone of a coastal plain estuary. In: *Estuarine perspectives : V.S. Kenney (Ed.) Academic Press, New York*, 93-109.
- Brooks, R.H. Jr., Brezonik, P.L., Putnam, H.D. and Keirn, M.A. 1971 Nitrogen fixation in an estuarine environment. The Waccassa on the Florida Gulf coast. *Limnol. Oceanogr.*, 16:701-710.
- Brouardel, J. and Fage, L. 1955 Papers in Marine Biology and Oceanography. *Deep Sea Res., Supplement*, 3:40.

- Bruno, S.F. and Staker, R.D. 1978 Seasonal vitamin B12 and phytoplankton distribution near Nepeague Bay, New York. (Block Island Sound). *Limnol. Oceanogr.*, 23:1045-1051.
- Bruno, S.F., Staker, R.D. and Crutis, L.L. 1981 Seasonal variation of vitamin, B12 analogs and phytoplankton in a Long Island estuary. *Journal of Marine Research*, 39(2):335-352.
- Burrell, V.G. 1972 Distribution and abundance of Calanoid copepods in the York river estuary, Virginia, 1968 and 1969. *Ph.D. thesis, College of William and Mary, Virginia*, 263 pp.
- Burton, J.D. 1970 The behaviour of dissolved silicon during estuarine mixing: II. Preliminary investigations in the Vellar estuary, Southern India. *J.Cons. Int. Explor. Mer.*, 33: 141-148.
- Butler, E.I. and Tibbitts. 1972 Chemical survey of the Tamar estuary. 1. Properties of the water. *J. Mar. Biol. Assn. UK.*, 52: 681-699.
- Cadee, G.C. and Hegeman, J. 1974 Primary production of the benthic microflora living on tidal flats in the Dutch Wadden Sea. *Neth. J.Sea.Res.*, 8:260-291.
- Chacko, P.I., Abraham, J.G. and Andal, R. 1953 Report on a survey of the flora, fauna and fisheries of the Pulicat lake, Madras State, India. *Contr.Freshw. Fish.Biol.Stn.*, 8:20 p.
- Chandran, R., Thangaraj, G.S., Sivakumar, V., Srikrishnadas, B. and Ramamoorthi, K. 1982 Ecology of macrobenthos in the Vellar estuary. *Indian J.Mar. Sci.*, 11 : 122-127.
- Chandramohan, P. 1963 Studies on zooplankton of the Godavari estuary. *Ph.D. Thesis, Andhra University, Waltair*: 163 pp.
- Chandramohan, D. and Bhatnagar, G.P. 1976 Primary production studies in Porto Novo waters, S. India. *Arch. Hydrobiol.*, 77: 37-50.
- Chandra Mohan, P., Raman, A.V. and Sreenivas, N. 1999 Distribution of zooplankton in relation to water movements in Kakinada bay, east coast of India. *Indian J. Mar. Sci.*, 28:192-197.
- Chandran, R. 1982 Hydrobiological studies in the gradient zone of the Vellar estuary. *Ph.D. Thesis, Annamalai University*, 195 pp.
- Chandran, R. and Ramamoorthi, K. 1984a Hydrobiological studies in the gradient zone of the Vellar estuary. Part I: Physico-chemical parameters. *Mahasagar-Bull.Natn.Inst.Oceanogr.*, 17 (3): 133-140.
- Chandran, R. and Ramamoorthi, K. 1984b Hydrobiological studies in the gradient zone of the Vellar estuary. II: Nutrients. *Mahasagar*, 17(3): 133-140.

- Cherian, R.,
Rao, L.V.G. and
Varma, K.K. 1975 Variation in physical characteristics of the water of Zuari estuary. *Indian J. Mar. Sci.*, 4: 5-10.
- Chidambaram, K. and
Menon, M.D. 1945 The correlation of the west coast (Malabar and Canara) fisheries with plankton and certain oceanographical factors. *Proc. Indian Acad. Sci.*, B22: 355-367.
- Chong, B.J. and
Chua, T.D. 1973 A preliminary study of the distribution of the Cyclopoid copepods of the family Oithonoidae in Malaysian waters. *Pacific Science Association on special Symposium on Marine Sci., Hong Kong*: 32-36.
- Curl, H.Jr. and
Small, L.F. 1965 Variations in photosynthetic assimilation ratios in natural marine phytoplankton communities. *Limnol. Oceanogr.*, 10:67-73.
- Dalal, S.G. 1976 Interrelationship between environmental parameters and foraminiferal species in Mandovi and Zuari estuaries. *Mahasagar*, 7:91-93.
- Damodaran, R. 1973 Studies on the benthos of the mud banks of the Kerala coast. *Bull. Dept. Mar. Sci. Univ. Cochin.*, 6: 1-126.
- Das, J.,
Das, S.N. and
Sahoo, R.K. 1997 Semidiurnal variation of some physico-chemical parameters in the Mahanadi estuary, east coast of India. *Indian J. Mar. Sci.*, 26:323-326.
- Day, J.H. 1951 The ecology of South African estuaries. I: A review of estuarine conditions in general. *Trans. Roy. Soc. South Africa*, 33: 53-91.
- Day, J.H. 1973 New polychaeta from Beaufort with a key to all species recorded from North Carolina. *NOAA tech. Rep. U.S. Dep. Comm. Spec. Sci. Rep. (Fish) Nat. Mar. Fish. Serv.*, 375:1-140.
- De. T.K.,
Choudhury, A. and
Jana, T.K. 1994 Phytoplankton community organization and species diversity in the Hooghli estuary, north east coast of India. *Ind. J. Mar. Sci.*, 23(3) : 152-156.
- Deepak,
Dash. R.,
Snehalata,
Dash,
Sunil K. Patra,
Tripathy, K.S. and
Sahu, B.K. 1997 Speciation of Zinc in surface waters of the Rushikulya estuary (Bay of Bengal). *J. Mar. Biol. Ass. India*, 33 (1 & 2) : 33-39.
- Dehadrai, P.V. 1970 Changes in environmental features of the Zuari and Mandovi estuaries in relation to tides. *Proc. Indian Acad. Sci.*, 72B: 68-80.

- Dehadrai, P.V. 1972 Seasonal organic production in relation to environmental features in Zuari and Mandovi estuaries, Goa. *Indian J.Mar.Sci.*, 1: 52-56.
- Dehadrai, P.V. and Bhargava, R.M.S. 1972 Seasonal organic production in relation to the environmental features in Mandovi and Zuari estuaries, Goa. *Indian J.Mar.Sci.*, 1: 52-56.
- Delgadillo-Hinojosa, F., G. Gaxiola-Castro, J.A., Segovia-zavala, Munoz Barbosa, A. and Orozco Borbon, M.V. 1997 The effect of vertical mixing on primary production in a Bay of the gulf of California. *Estuarine, Coastal and Shelf Science*, 45:135-148.
- Desai, B.N., Jiyalal Ram, M., Abidi, S.A.H. and Vijayalakshmi Nair, R. 1984 Distribution of plankton pigments in Auranga, Ambika, Purna and Mindola estuaries of Gujarat. *Maha sagar-Bull.Natn. Inst. Oceanogr.*, 17(2): 79-87.
- Desai, B.N., and Krishnankutty, K. 1967 Studies on the benthic fauna of Cochin backwaters. *Proc. Indian Acad. Sci.*, 66 (B) : 123-142.
- De Souza, S.N. 1977 Monitoring of some environmental parameters at the mouth of the Zuari river, Goa. *Indian J.Mar. Sci.*, 6: 114-117.
- De Souza, S.N., Naqvi, S.W.A. and Reddy, C.V.G. 1981 Distribution of nutrients in the Western Bay of Bengal. *Indian J.Mar.Sci.*, 10(4): 327-331.
- Devassy, V.P. and Bhattathiri, P.M.A. 1974 Phytoplankton ecology of the Cochin backwaters. *Indian J.Mar. Sci.*, 3: 46-50.
- Devassy, V.P. and Gopinathan, C.K. 1970 Hydrobiological features of the Kerala backwaters in relation to tides. *Proc. Indian Acad, Sci.*, 1: 57-60.
- Devendran, K., Sundararaj, D., Chandramohan, D. and Krishnamurthy, K. 1974 Bacteria and primary production. *Indian J.Mar.Sci.*, 3(2): 139-141.
- Digby, P.S.P. 1953 Plankton production in scores by sound, East Greenland. *J.Anim. Ecol.*, 22: 289-322.
- Divakaran, O., Murugan, T. and Nair, N.B. 1981 Distribution and seasonal variation of the benthic fauna of Ashtamudi lake, south-west coast of India. *Mahasagar*, 14 (3) : 167 - 172.
- Divakaran, O., Arunachalam, M., Nair, N.B. and Balasubramanian, N.K. 1982 Distribution and seasonal variation of the zooplankton of the Ashtamudi lake, in the south-west coast of India. *Mahasagar*, 15:23 - 49.

- Dutt, N.I.C., Malhotra and Bose, B.B. 1954 Hydrology and seasonal fluctuations of the plankton in the Hooghly estuary. *Proc. Indo-pacific. Fish. Coun. Bangkok*, 48-54.
- Dwivedi, S.N., Bhargava, R.M.S., Parulekar, A.M., Selvakumar, R.A., Singbal, S.Y.S. and Sankaranarayanan, V.N. 1974 Ecology and environmental monitoring of Mandovi, Zuari and Camburzua canal complex during monsoon months. *Journal of the Indian Fisheries Association*, 3: 113-130.
- Dyer, K.R. and Ramamoorthi, K. 1969 Salinity and water circulation in the Vellar estuary. *Limnol. Oceanogr.*, 1: 4-15.
- Ellis, H.M. 1937 Detection and measurement of stream pollution. *Bull.U.S.Dept. Commer.*, 27.
- Emery, K.C. and Stevenson, R.E. 1957 Estuaries and Lagoons.1. Physical and chemical characteristics. *Geol. Soc. America. Mem.*, 67:673-750.
- Eppley, R.W., Renger, E.H., Venrick, E.L. and Mullin, M.M. 1978 A study of plankton dynamics and nutrient cycling in the central gyre of the Northpacific Ocean. *Limnol. Oceanogr.*, 18: 534-551.
- Feder, H.M., Haflinger, K., Hilsinger, J., Hober, M., Jewett, S. and Matheka, G. 1977 The distribution, abundance, diversity and biology of benthic organisms in the Gulf of Alaska and the Bering Sea. *Env. Ass. Alas. Cont. Shelf*, 18:366-712.
- Fernando, S.A., Khan, S.A. and Kasinathan, R. 1983 Observations on the distribution of benthic fauna in Vellar estuary, Porto Novo. *Mahasagar*, 16 : 341-348.
- Ferguson, R.L. and Palumbo, A.V. 1979 Distribution of suspended bacteria in neritic waters south of Long Island during stratified conditions. *Limnol. Oceanogr.*, 24: 697-705.
- Ferrier, G. and Anderson, J.M. 1997 A multi-disciplinary study of frontal systems in the Tay estuary, scotland. *Estuarine, coastal and shelf science*, 45,137-1336.
- Froneman, P.W. and McQuaid, C.D. 1997 Preliminary investigation of the ecological role of microzooplankton in the Kariega estuary, south Africa. *Estuarine, Coastal and Shelf Sci.*, 45: 689-695.
- Gajbhiye, S.N., Jayalal Ram, R., Vijayalakshmi Nair, R. and Desai, B.N. 1981 Plankton of the Narmada estuary and adjacent creeks. *Mahasagar*, 14: 23-32.

- Ganapati, P.N. 1965 Final report on hydrobiological and faunistic survey of the Godavari estuarine systems, 1958-1964. Sponsored by the Indian council of Agricultural Research, Department of Zoology, Andhra University, 53 pp.
- Ganapati, P.N. and Rao, M.V.L. 1959 Preliminary observations on the hydrography and inshore plankton in the Bay of Bengal of Visahapatnam coast. *Indian J.Fish.*, 2: 84 & 85.
- George, M.J. 1958 Observations on the plankton of the Cochin backwaters. *Indian J. Fish.*, 5: 375-401.
- George Abe., Jayakumar, P. and James, E.J. 1996 Salinity intrusion into Muvattupuzha estuary (south west coast of India) during premonsoon season. *Indian J. Mar. Sci.*, 25:352-354.
- Gilmartin, M. 1964 The primary production of a British Columbia Fjord. *J.Fish.Res.Board, Canada*, 21(3): 231-248.
- Gleason, H.A. 1922 On the relation between species and area. *Ecology*, 3: 156-162.
- Glooschenko, W.A. and Curl, H.C. 1971 Influence of nutrient enrichment on photosynthesis and assimilation ratios in natural North Pacific phytoplankton communities. *J. Fish. Res. Board. Canada.*, 28:790-793.
- Gnanamuthu, C.P. 1954 Two new sand dwelling isopods from the Madras sea-shore. *Ann.Mag.Nat.Hist.*, 12 (7) : 251-274.]
- Goes, J.I., Shakuntala caeiro and Helga do R. Gomes 1999 Phytoplankton-zooplankton interrelationships in tropical waters-Grazing and gut pigment dynamics. *Indian J.Mar.Sci.*, 28: 116-124.
- Goldin, Q., Vidya Mishra, Vidya Ullal, Athalye, R.P. and Gokhale, K.S. 1996 Meiobenthos of mangrove mudflats from shallow region of Thane creek, central west coast of India. *Indian J. Mar.Sci.*, 25: 137-141.
- Gopinathan, C.P. 1975 Studies on the estuarine diatoms of India. *Bull.Dept.Mar.Sci., Univ. Cochin*, 7: 995-1004.
- Gopinathan, K. 1985 Ecology and fisheries of certain inland water bodies of Kerala. *Ph.D. Thesis, Univ. Kerala.*
- Gopinathan, C.P., Rodrigo, J.X., Mohamed kasim, H. and Rajagopalan, M.S. 1994 Phytoplankton pigments in relation to primary production and nutrients in the inshore waters of Tuticorin, southeast coast of India. *Indian J. Mar.Sci.*, 23: 209-212.

- Gopinathan, C.D., Nair, P.V.R. and Nair, A.K.K. 1970 Studies in the phytoplankton of the Cochin backwater, a tropical estuary. *Indian J. Fish.*, 21(2): 501-513.
- Goswami, S.C. 1983 Coexistence and succession of copepod species in the Mandovi and Zuari estuaries, Goa. *Mahasagar*, 16 (2) : 251-258.
- Goswami, S.C., Krishna kumari, L. and Yashoshri shrivastava. 2000 Diel variations in zooplankton and their biochemical composition from Vengurla to Ratnagiri, west coast of India. *Indian J. Mar. Sci.*, 29, 277-280.
- Goswami, S.C. and Selvakumar, R.A. 1977 Plankton studies in the estuaries of Goa. *Proc. Symp. Warm water Zoopl. Spl. Publ. UNESCO/NIO*: 226-241.
- Goswami, S.C., Selvakumar, R.A. and Usha Goswami. 1979 Diel and tidal variations in zooplanktonic population in the Zuari estuary, Goa. *Mahasagar*, 12 (4) : 247-258.
- Goswami, S. C. and Singbal, S.Y.S. 1974 Ecology of Mandovi and Zuari estuaries : Plankton community in relation to hydrographic conditions during monsoon months. *Indian J. Mar. Sci.*, 3: 51-57.
- Gouda, R. and Panigraphy, R.C. 1996 Ecology of phytoplankton in coastal waters off Gopalpur, east coast of India. *Indian J. Mar. Sci.*, 25: 81-84.
- Govindankutty, A.G. 1967 Studies on the interstitial fauna of the south-west coast of India with special reference to nematodes. *Ph.D., Thesis, University of Kerala*, 360 pp.
- Govindasamy, C. and Kannan, L. 1991 Rotifers of the Pitchavaram mangroves (southeast coast of India); A hydrobiological approach. *Mahasagar*, 24 (1): 39-45.
- Grabemann, J., Uncles, R.J., Krause, G. and Stephens, J.A. 1997 Behaviour of turbidity maxima in the Tamar (U.K) and Weser (F.R.G) estuaries. *Estuarine, Coastal and Shelf Sci.*, 45: 235-246.
- Grantham, B. 1981 Chlorophyll 'a' and nutrients in the column of Loch Eil. *J. Exp. Mar. Biol. Ecol.*, 55:283-297
- Grey, J., Laybourn-Parry, J., Leakey, R.J.G. and 1997 Temporal patterns of protozooplankton abundance and d, Princess Elizabeth land, eastern Antarctica. *Estuarine, Coastal and Shelf Sci.*, 45, 17-25.
- Grindley, J.R., 1981 Estuarine plankton. *In: Estuarine ecology, Day, J.H. (Ed.). Publ. by AA. Balkema; Rottordam (Netherlands):117-146.*
- Haines, E.B. 1976 Stable carbon isotope ratios in the biota soils and tidal waters of a Georgia salt marsh. *Est. Coastal Mar. Sci.*, 4: 609-616.

- Haridas, P. 1975 Annual variation in zooplankton from a polluted coastal environment. *Mahasagar*, 13: 239-248.
- Haridas, P. 1982 Zooplankton studies in the Cochin environs. *Ph.D. Thesis, Cochin University*, 195 pp.
- Haridas, P., Madhupratap, M. and Rao, T.S.S. 1973 Salinity, temperature, oxygen and zooplankton biomass of the backwaters from Cochin to Alleppey. *Indian J. Mar. Sci.*, 2: 94-102.
- Harkantra, S.N. 1975 Benthos of the Kali estuary, Karwar. *Mahasagar*, 8 : 53-58.
- Harkantra, S.N., Nair, A., Ansari, I.A. and Parulekar, A.H. 1980 Benthos of the shelf region along the west coast of India. *Indian J. Mar. Sci.*, 9(2):106-110.
- Heald, E.J. 1971 The production of organic detritus in a South Florida estuary. *Univ. of Miami. Sea Grant Tech.Bull.*, 6: 110 pp.
- Herman, S.S., Mithursky, J.A. and McErlean. 1968 Zooplankton and environmental characteristics of the Patuxent river estuary, 1963-65. *Cher.Sci.*, 9 (2): 67-82.
- Holme, N.A. 1953 The biomass of the bottom fauna in the English Channel off Plymouth. *J. Mar. Bio. Assoc. U.K.*, 32:1-49.
- Howland, R.J.M., Pantiulin, A.N. Millward, G.E. and Prego, R. 1999 The hydrography of the Chupa estuary, White sea, Russia. *Estuarine, Coastal and Shelf Sci.*, 48 : 1-12.
- Hung, T.C., Chau, P.Y. and Tsai, C.C.H. 1979 Chemical nutrients and primary productivity along the eastern coast of Taiwan. *Acta. Oceanogr. Taiwanica.*, 10: 81-94.
- Ilangovan, G. 1981 Studies on dinoflagellates from Porto Novo region. S.India, *Ph.D. Thesis, Annamalai University*, 490 pp.
- Ilangovan, G. and Krishnamoorthy, K. 1983 Species biomass and seasonal variation of Dinoflagellates from the Vellar estuary. *Mahasagar*, 16(3):275-280.
- Iriarte, A., DeMadariaga, I., Diez - Garagarza, F., Revilla, M. and Orive, E. 1997 Primary plankton production, respiration and nitrification in a shallow temperature estuary during summer. *J. Exp. Mar. Biology & Ecology*. 208 : 127 - 152.
- Jayabalan, N., Thangaraj, G.S. and Ramamurthy, K. 1980 Fin fish seed resources of Vellar estuary. *Symposium on Coastal Aquaculture, Abstracts: 70, Cochin, India.*

- Jayaraju, N. and Reddy, K.R. 1997 Water mass parameters of coastal and estuarine environment, south east coast of India. *Ecol. Env & Cons.*, 3 (1) : 41-48.
- Jayaraman, R. 1951 Observations on the chemistry of the waters of the Bay of Bengal off Madras city during 1948-1949. *Proc. Indian Acad. Sci.*, 33:92-99.
- Jayaraman, R. 1954 Seasonal variations in salinity, dissolved oxygen and nutrient salts in the inshore waters of the Gulf of Mannar and Palk Bay near Mandapam. *Indian J.Fish.*, 1: 345-364.
- Jayasankar, N.P. 1966 Studies on the aerobic microflora associated with the retting of coconut husk. *Ph.D. Thesis, Indian Institute of Science, Bangalore*, 180 pp.
- Jayasankar, N.P. 1985 An appraisal on the biological extraction of coir. *Workshop on Coir Research, 2nd Sep., 2-7, Cochin.*
- Jegadeesan, P. 1986 Studies on environmental inventory of the marine zone of Coleroon estuary and inshore waters of Pazhayaru, south east coast of India. *Ph.D. Thesis, Annamalai University*, 277.
- Jegatheesan, G. 1974 Studies on the particulate matter of Vellar estuary and near shore waters of Porto Novo. *Ph.D. Thesis. Annamalai Univ.*, 256 pp.
- Jhingran, V.G. and Natarajan, A.V. 1966 Final report on the fisheries of the Chilka lake (1957-65). *Cent.Inland Fish. Res.Inst. Barrackpore (W.B.) Bull.*, 8.
- Jhingran, V.G. and Natarajan, A.V. 1969 A study of the fisheries and fish populations of the Chilka lake during the period 1957-65. *J.Inland Fish.Soc.India*, 1(1):49-126.
- Johannes, R.E. 1965 Influence of marine Protozoa on nutrient regeneration. *Limnol.Oceanogr.*, 10: 434-442.
- Johannes, R.E. 1969 Nutrient regeneration in lakes and oceans. *In : Advances in the microbiology of the sea, M.R. Droop and E.J. E Wood (Ed.), 1. Academic press, New York : 203-212.*
- Jones, N.S. 1950 Marine bottom communities. *Biol. Rev.*, 1, (25):283-313.
- Jordan, Thomas, E., Sfagnitt, F., David, L., Correll, Joseph miklas and Donald E. Williams. 1991 Nutrients and chlorophyll at the interface of a watershed and estuary. *Limnol & Oceanogr.*, 36(2):251-267.

- Josanto, V. 1975 Bottom salinity characteristics of the Cochin backwaters. *Recent researches in estuarine biology edited by R. Natarajan (Hindustan publishing corporation (I) Ltd., New Delhi): 223-230.*
- Joseph, K.J. and Pillai, V. 1975 Seasonal and spatial distribution of phytoplankters in Cochin backwater. *Bull. Dept. Mar. Sci., Univ. Cochin, 7: 171-180.*
- Kahar, A. 1988 Impact of sewage on the water quality of the Karamana river and the Poonthura backwater, Kerala, India. *M.Phil. Thesis, University of Kerala, 205 pp.*
- Kalidasan, K., Balusamy, P. and Rahaman, A. Abdul. 1987 Seasonal distribution of zooplankton in the Muthupet estuary, Thanjavur District. *Symposium on Aquatic Organisms, Abstract: 15 p., A.V.V.M. Sri Pushpam College, Poondi.*
- Kaliyamurthy, M. 1976 Changes in the environmental features of Pulicat lake in relation to tides. *Indian J. Fish., 23(1 & 2): 111-119.*
- Kannapiran, E., Purushothaman, A., Kannan, L. and Saravanan, S. 1999 Magneto bacteria from estuarine, mangrove and coral reef environs in Gulf of Mannar. *Indian J. Mar. Sci., 28:332-334.*
- Karande, A.A., Udhayakumar, M. and Chavan, J.B. 1997 Development of planktonic larvae of unidentified barnacle species from Vellar estuary, south east coast of India. *Indian J. Mar. Sci., 26:297-301.*
- Kasinathan, R., Govindan, K. and Desai, B.N. 1974 Distribution of benthic fauna in the Gulf of Kutch. *J. Indian Fish. Ass., 3 & 4 :68-79.*
- Ketchum, B.H. 1951 The exchange of fresh and salt water in tidal estuaries. *J. Mar. Res., 10: 19-38.*
- Ketchum, B.H. 1967 Phytoplankton nutrients in estuaries. In : *Estuaries, G.H. Lauff (Ed.) American Association for the Advancement of Science, Washington D.C., 329-335.*
- Kinne, O. 1972 Marine Ecology. Vol.1(Ed.) O. Kinne. *Wiley interscience, New York, 821pp.*
- Krishnamurthy, K. 1967 The cycle of nutrient salts in Porto Novo (India) waters. *Int. Revue. ges. Hydrobiol., 52:427-436.*
- Krishnamurthy, K. 1969 Plant pigments in mangrove waters. Seminar on some aspects of Hydrobiology of shallow waters. *Abstracts: 13 p., C.A.S. in Marine Biology, Porto Novo.*

- | | | |
|---|------|--|
| Krishnamurthy, K. | 1970 | On the ratio of nutrients in the inshore and estuarine waters of Porto Novo. <i>The oceans world-joint Oceanographic Assembly, Tokyo</i> , 13-25. |
| Krishnamurthy, K. | 1971 | Phytoplankton pigments in Porto Novo waters (India). <i>Int. Revue. ges. Hydrobiol.</i> , 56: 273-283. |
| Krishnamurthy, K. and Purushothaman, A. | 1971 | Diurnal variations in phytoplankton pigments in the Vellar estuary. <i>J.Mar.Biol.Ass.India</i> , 13: 271-274. |
| Krishnamurthy, K. and Santhanam, R. | 1975 | Ecology of tintinnids (Protozoa: Ciliata) in Porto Novo region. <i>Indian J.Mar.Sci.</i> , 4: 181-184. |
| Krishnamurthy, K., Santhanam, R. and Sundararaj, V. | 1974 | Species distribution in Aquatic Environment. <i>Indian J. Mar. Sci.</i> , 3:135-138. |
| Krishnamurthy, K. and Sundararaj, V. | 1972 | A survey of environmental features in a section of the Vellar-Coleroon estuarine system, South India. <i>Mar.Biol.</i> , 23: 229-237. |
| Krishnamurthy, K. and Sundararaj, V. | 1973 | Studies on phytoplankton pigments in Porto Novo waters, India. <i>J.Exp. Mar .Biol. Ecol.</i> , 14: 285-294. |
| Krishnan, L. | 1974 | Biology of <i>Melita zeylanica</i> , Ph.D. Thesis. University of Kerala, Trivandrum. |
| Krubein, W.C.and Petti John, F.J. | 1938 | Manual of sedimentary petrography. <i>Appleton century -crofts. New York</i> . 549 pp. |
| Kumaran, S. and Rao, T.S.S. | 1975 | Phytoplankton distribution and abundance in the Cochin backwaters during 1971-'72. <i>Bull . Dept. Mar.Sci., Univ.Cochin</i> , 7: 791-800. |
| Kurian, C.V. | 1953 | A preliminary survey of the bottom faunal and bottom deposits of the Travancore coast within the 15 fathom line. <i>Proc. Nat. Inst. Sci., India</i> , 19:746-775. |
| Kurian, C.V. | 1967 | Studies on the benthos of the southwest coast of India. <i>Bull. Nat. Inst. Sci., India</i> , 30:649-656. |
| Kurian, C.V. | 1972 | Ecology of benthos in a tropical estuary. <i>Proc. Nat. Inst. Sci., India</i> , 38B:156-163. |
| Kurian, C.V. | 1975 | Contributions to estuarine biology. <i>Bull.Dept. Mar. Sci., Univ.Cochin</i> , 7: 1004 pp. |
| Kurian, C.V., Damodaran, R. and Antony, A. | 1975 | Bottom fauna of the Vembenad lake. <i>Bull. Dept. Mar. Sci. Univ. of Cochin</i> , 7: 987-994. |

- | | | |
|--|------|--|
| Lind, W.B. | 1980 | Chemical and physical characteristics of water in estuaries of Texas. <i>Rep. Tex. Dep. water Resour. publ. by TDWR AUSTIN, TX (U.S.A.)</i> , 291 pp. |
| Lou, J. and Ridd, P.V | 1997 | Modelling of suspended sediment transport in coastal areas under waves and currents. <i>Estuarine, Coastal and Shelf Sci.</i> , 45, 1-16. |
| Madhukumar, A. and Anirudhan, T.S. | 1995 | Phosphorus distribution in sediments of Edava-Nadayara and Paravur lake systems along the south west coast of India. <i>Indian J. Mar. Sci.</i> , 24: 186-191. |
| Madhupratap, M. | 1978 | Studies on the ecology of zooplankton of Cochin backwaters. <i>Mahasagar</i> , 11:45-56. |
| Madhupratap, M. | 1979 | Distribution, community structure and species succession of copepods from Cochin backwaters. <i>Indian J.Mar.Sci.</i> , 8: 1-8. |
| Madhupratap, M. and Haridas, P. | 1975 | Composition and variations in the abundance of zooplankton of the backwaters from Cochin to Alleppey. <i>Indian J.Mar.Sci.</i> , 4: 77-85. |
| Madhupratap, M., Haridas, P., Rao, T.S.S. and Krishna Iyer, H. | 1975 | Species associations of calanoid copepods in the estuary. <i>Indian J.Mar.Sci.</i> , 6(2): 183-184. |
| Madhupratap, M., Rao, T.S.S. and Haridas, P. | 1977 | Secondary production in Cochin backwaters, a tropical monsoonal estuary. <i>Proceedings of symposium on warm water zooplankton, UNESCO/NIO</i> , 515-519. |
| Madhupratap, M. and Rao, T.S.S. | 1979 | Tidal and diurnal influence on estuarine zooplankton. <i>Indian J.Mar.Sci.</i> , 8(1):9-11. |
| Mani, P. | 1984 | Studies in phytoplankton of the Vellar estuary. <i>M.Phil. Thesis, Annamalai University</i> , 151 pp. |
| Margalef, R. | 1967 | Some concepts relative to the organisation of plankton. <i>In: Annual Review of Marine Biology, H.Barnes (Ed.), London, George Allen and Unwin</i> , 5: 257-259. |
| Margalef, R. | 1968 | Perspectives in Ecological Theory. <i>Univ. of Chicago press, Chicago</i> , 111 p. |
| Marshall, H.G. | 1978 | Phytoplankton distribution along the eastern coast of the U.S.A. Part II: Seasonal Assemblages north of Cape Hatteras, North Carolina. <i>Mar. Biol.</i> , 45(3): 203-208. |
| Mary John, C. | 1958 | Preliminary study of the Kayamkulam lake. <i>Bull. Central Res. Inst. Univ. Kerala</i> , C6: 97-116. |
| Mathew, T. and Nair, N.B. | 1980 | Phytoplankton of the Ashtamudi estuary, Kerala. <i>Indian J.Mar.Sci.</i> , 9: 253-257. |

- | | | |
|--|------|--|
| Mathew, T., and
Nair, N.B. | 1981 | On the planktonic diatoms of the Vizhinjam coast. <i>Mahasagar</i> , 13(4):367-369. |
| Matthiessen, P.,
Bifield, S,
Jarrett, F,
Kirby, M.F,
Law, R.J,
McMinn, W.R,
Sheahan, D.A.,
Thain, J.E. and
Whale, G.F. | 1998 | An assessment of sediment toxicity in the river Tyne estuary, UK by means of Bioassays. <i>Mar. Environ. Research</i> , 45 (1) :1-15. |
| Maurer, D.,
Leathem, N.
Kinner, P. and
Tinsman, J. | 1979 | Seasonal fluctuations in coastal benthic invertebrate assemblages. <i>Estu. Coast. Mar. Sci.</i> ,8:181-183. |
| Maurer, D.L. and
Vargas, J.A., | 1984 | Diversity of soft-bottom benthos in a tropical estuary : Gulf of Nicoya, Costa Rica. <i>Mar. Biology</i> , 81 : 97-106. |
| Michael, R.G. | 1970 | Hydrology of the Pulicat lake. <i>Adv. Abstr. Contr. Fish. Aquat. Sci., India</i> , 4(1): 106-125. |
| Mohanty, S.K. | 1975 | Some observations on the physico- chemical features of the outer channel of the Chilka lake during 1971-1973. <i>Bull. Dept. Mar. Sci., Univ. Cochin</i> , 7: 69-89. |
| Moore, J.W. | 1980 | Factors influencing the composition, structure and density of a population of benthic invertebrates. <i>Arch. Hydrobiol.</i> , 88(2):202-218. |
| Moore, J.W. | 1981 | Factors influencing the species composition, distribution and abundance of benthic invertebrates in the profundal zone of a eutrophic northern lake. <i>Hydrobiol.</i> , 83:505-510. |
| Murugan, A. and
Ayyakannu, K. | 1991 | Ecology of Uppanar backwater, Cuddalore: 1. Physico-chemical parameters. <i>Mahasagar</i> , 24, (1) : 31-38. |
| Murugan, T.,
Divakaran, O.,
Nair, N.B. and
Padmanabhan, K.G. | 1980 | Distribution and seasonal variation of the benthic fauna of the Veli lake, south west coast of India. <i>Indian J. Mar. Sci.</i> , 9:184-188. |

- | | | |
|---|-------|--|
| Mustafa, S.,
Vijayalakshmi R. Nair. and
Govindan, K. | 1999 | Zooplankton community of Bhayandar and Thane salt pans around Bombay. <i>Indian J. Mar. Sci.</i> , 28: 184-191. |
| Nagarajaiah, C.S. and
Gupta, T.R.C. | 1983 | Physico-chemical characteristics of brackishwater ponds along Nethravati estuary, Mangalore. <i>Indian J.Mar.Sci.</i> , 12 (2) : 81-84. |
| Nair, K.K. and
Tranter, D.J. | 1971 | Zooplankton distribution along salinity gradient in the Cochin backwater before and after monsoon. <i>J. Mar.Biol.Ass.India</i> , 13:203-225. |
| Nair, K.V.K. and
Ganapathy, S. | 1983 | Baseline ecology of Edaiyur - Sadras estuarine system at Kalpakkam, Part 1: General hydrographic and chemical features. <i>Mahasagar</i> , 16:143-151. |
| Nair, N.B. | 1965 | Seasonal settlement of marine wood-boring animals at Cochin harbour. <i>Int.Revue. Ges. Hydrobiol.</i> , 50 (3): 411-420. |
| Nair, N.B.,
Abdul Azis, P.K.,
Dharmaraj, K.,
Arunachalam, M.,
Krishnakumar, K. and
Balasubramanian, N.K. | 1983a | Ecology of Indian estuaries: Part I-Physico-chemical features of water and sediment nutrients of Ashtamudi estuary. <i>Indian J.Mar.Sci.</i> , 12(3): 143-150. |
| Nair, N.B.,
Abdul Azis, P.K.,
Dharmaraj, K.,
Arunachalam, M.,
Krishnakumar, K. and
Balasubramanian, N.K. | 1984 | Ecology of Indian estuaries: Part V: Primary productivity of Ashtamudi estuary, south-west coast of India. <i>Proc.Indian Acad.Sci. (Anim.Sci.)</i> , 93(1): 9-23. |
| Nair, N.B.,
Abdul Azis, P.K.A.,
Krishnakumar, K.,
Dharmaraj, K. and
Arunachalam, M. | 1984 | Ecology of Indian estuaries: Part VI: Physico-chemical conditions in Kadinamkulam backwater, south west coast of India. <i>Indian J.Mar. Sci.</i> , 13: 69-74. |
| Nair, N.B.,
Krishnakumar, K.,
Abdul Azis, P.K.,
Dharmaraj, K.,
Arunachalam, M. and
Balasubramanian, N.K. | 1983b | Ecology of Indian estuaries: Part III- Physico-chemical features of Akathumuri-Anchuthengu-Kadinamkulam backwater systems, south west coast of India. <i>Indian J.Mar.Sci.</i> , 12(3): 154-159. |

- Nair, N.B.,
Krishnakumar, K.,
Arunachalam, M.,
Abdul Azis, P.K.A. and
Dharmaraj, K. 1984 Ecology of Indian estuaries: Studies on the zooplankton ecology of Kadinamkulam backwater. *Proc. Indian Acad.Sci. (Anim.Sci.)*, 93(6): 573-584.
- Nair, N.B.,
Dharmaraj, K.,
Abdul Azis, P.K.A.,
Arunachalam, M.,
Krishnakumar, K. and
Balasubramanian, N.K. 1983 Nature of primary production in a tropical backwater of the south west coast of India. *Proc. Indian Nat. Sci. Acad., B.49* (6): 581-597.
- Nair, N.B.,
Abdul Azis, P.K.A.,
Arunachalam, M.,
Dharmaraj, K. and
Krishnakumar, K. 1984 Ecology of Indian estuaries: Ecology and distribution of benthic macrofauna in the Ashtamudi estuary, Kerala. *Mahasagar*, 17(2) : 89-101.
- Nair, N.B.,
Abdul Azis, P.K.A.,
Arunachalam, M.,
Krishnakumar, K. and
Dharmaraj, K. 1984 A study on the ecology of soft bottom benthic fauna in Kadinamkulam backwater, south-west coast of India. *Proc. Indian Nat. Sci. Acad.*, 350(5): 473-482.
- Nair, N.B.,
Arunachalam, M.,
Abdul Azis, P.K.,
Krishnakumar, K. and
Dharmaraj, K. 1985 Ecology of Indian estuaries : Distribution and seasonal variation of zooplankton in the Ashtamudi estuary. *Proc. Nat. Acad. Sci. India*, 55 : 271-289.
- Nair, N.B.,
Shoba, V.,
Chandran, R.,
Rathi Ammal, M.,
Maya, S. and
Suryanarayanan, H. 1987 Vertical distribution of certain algae and other organisms in a brackish water lagoon in Kerala. *Proc. Nat. Sem. Estuarine Management*, 296-306.
- Nair, N.B. and
Abdul Azis, P.K. 1987 Hydrobiology of the Ashtamudi estuary - a tropical backwater system in Kerala. *Proc. Nat. Sem. Estuarine Management*, 268-280.
- Nair, P.V.R.,
Joseph, K.J.,
Balachandran, V.K. and
Pillai, V.K. 1979 Study on the primary production in the Vembanad lake. *Bull.Dept.Mar.Sci.,Univ.Cochin*, 7(1):161-170.
- Nasnolkar, C.M.,
Shirodkar, P.V. and
Singbal, S.Y.S. 1996 Studies on organic carbon, nitrogen and phosphorus in the sediments of Mandovi estuary, Goa. *Indian J.Mar.Sci.*, 25:120-124.

- Nixon, S.W. 1981 Remineralization and nutrient cycling in coastal marine ecosystems. *In: Estuaries and nutrients, B.J. Neilson and L.E. Cronin (Ed.), Humana press: 111-138.*
- Padma, S. and Periakali, P. 1999 Physico-chemical and geochemical studies in Pulicat lake, east coast of India. *Indian J. Mar.Sci.*, 28: 434-437.
- Padmavathi, D. and Satyanarayana, D. 1999 Distribution of nutrients and major elements in riverine, estuarine and adjoining coastal waters of Godawari, Bay of Bengal. *Indian J. Mar. Sci.*, 28: 345-354.
- Padmavati, G., and Goswami, S.C. 1996 Zooplankton ecology in the Mandovi - Zuari estuarine system of Goa, west coast of India. *Indian J. Mar. Sci.*, 25:268-273.
- Panampunnayil, S.U. and Desai, B.N. 1975 Zooplankton in nearshore waters of Tarapur, near the Atomic power plant. *Indian J.Mar.Sci.*, 4(2): 169-173.
- Pandalai, K.M., Nair, U.K. and Menon, K.P.V. 1957 A note on the quality of water in relation to the retting of coconut husks. *Coir, 1 : March*, 30-32.
- Panikkar, N.K. and Aiyer, R.G. 1937 The brackish fauna of Madras. *Proc. Ind. Acad. Sci.*, 6:284-337.
- Parimala Varadaraj, Ramakrishnan, T. and Mohan, V.P. 1985 Studies on the aerobic microflora associated with ret liquors involved in the retting of coconut husk. *Workshop on coir research, 2nd sep. Cochin: 2-10.*
- Parulekar, A.H. and Dwivedi, S.N. 1973 Ecology of benthic production during south west monsoon in an estuarine complex of Goa. *In: Recent Researches in Estuarine Biology, Natarajan, R. (Ed.), Hindustan Publishing Corporation, Delhi, 21-30.*
- Parulekar, A.H. and Dwivedi, S.N. 1974 Benthic studies in Goa estuaries : Part I - Standing crop and faunal composition in relation to bottom salinity distribution and substratum characteristics in the estuary of Mandovi river. *Indian J. Mar. Sci.*, 3: 41-45.
- Parulekar, A.H. and Dwivedi, S.N. 1975 Ecology of benthic production during southwest monsoon in an estuarine complex of Goa. *Recent Researches in Estuarine Biology, (Ed.) R. Natarajan, Hindustan publishing corporation (L.), Delhi (India), 21-30.*

- Parulekar, A.H., Dwivedi, S.N. and Dhargalkar, V.K. 1973 Ecology of clam beds in Mandovi, Cambarzua canal and Zuari estuarine system of Goa. *Indian J. Mar. Sci.*, 2 : 122-126.
- Parulekar, A.H., Dhargalkar, V.K. and Singbal, S.Y.S. 1980 Benthic studies in Goa estuaries, Part III. Annual cycle of macrofaunal distribution, production and trophic relations. *Indian J. Mar. Sci.*, 9 : 189-200.
- Parulekar, A.H., S.A. Nair, S.A. Harkantra, S.N. and Z.A. Ansari. 1976 Some quantitative studies on the benthos off Bombay. *Mahasagar*, 9(1 & 2):51-56.
- Pattanaik, P.K. and Sarma, A.L.N. 1997 Qualitative and quantitative composition of zooplankton communities of Rambha bay (Chilka lake, Bay of Bengal). *J.Mar.Biol.Ass. India*, 39 (1&2) : 49-58.
- Perumal, P., Sampathkumar, P. and Karuppasamy, P.K. 1999 Studies on the bloom - forming species of phytoplankton in the Vellar estuary, southeast coast of India. *Indian J. Mar. Sci.*, 28:400-403.
- Peterson, C.G.J. 1913 The animal communities of the sea bottom and their importance for marine zoogeography. *Rept. Danish. Biol. St.*, 21:1-44.
- Pielou, E.C. 1966 The measurements of diversity in different types of biological collections. *J.Theor.Biol.*, 13: 131-144.
- Pielou, E.C. 1975 Ecological diversity. *John Wiley and Sons, New York*, 165 pp.
- Pillai, V.K., Joseph, K.J. and Nair, A.K.K. 1975 Plankton production in the Vembanad lake and adjacent waters in relation to the environmental parameters. *Bull.Dept.Mar.Sci., Univ.Cochin*, 7: 137-150.
- Pillai, N.K. 1954 A preliminary note on the Tanaidacea and Isopoda of Travancore. *Bull. Cent. Res. Ins. Univ. Travancore*, 4 (3):1-21.
- Pillai, P.P., Qasim, S.Z. and Kesavan Nair, A.E. 1973 Copepod component of zooplankton in a tropical estuary. *Indian J.Mar.Sci.*, 2: 38-46.
- Pillai, V.K., Joseph, K.J. and Nair, A.K.K. 1975 Plankton production in the Vembanad lake and adjacent waters in relation to the environmental parameters. *Bull. Dept. Mar. Sci. Uni. Cochin*, 7 : 137 - 150.

- | | | |
|--|------|--|
| Platt, H.M. | 1979 | Sedimentation and the distribution of organic matter in a sub - Antarctic marine Bay. <i>Estuar. Coast. Mar. Sci.</i> , 9:51-63. |
| Platt, T. and Denmann, K.L. | 1975 | Special analysis in ecology. <i>Ann.Rev.Economy and Systematics</i> , 6: 189-210. |
| Pomeroy, L.R., Shenton, L.R., Jones, R.D.H. and Reinhold, R.J. | 1972 | Nutrient flux in estuaries. In: Nutrient and Eutropication : The limiting nutrient controversy. <i>Special Symposia, G.E.Likens (Ed.),Am.Soc. Limnol. Oceanogr.Allen press, Lawrence, Kansas</i> , 1: 274-291. |
| Postma, H. and Rommets, J.W. | 1970 | Primary production in the Wadden sea. <i>Neth. J.Sea Res.</i> , 4: 470-493. |
| Prabha Devi, L. | 1986 | Hydrobiological studies in the tidal zone of the Coleroon estuary. <i>Ph.D. Thesis, Annamalai University</i> ,241 pp. |
| Prabha Devi, L. | 1993 | Ecology of Coleroon estuary : Studies on bentic fauna. <i>J. Mar. Biol. Ass. India</i> , 36 (1&2) :260-266. |
| Prabhu, G.N. | 1957 | A review of the chemistry and chemical technology of coir fibre. <i>Coir</i> , 1:14-17. |
| Prasad, R.R. | 1954 | Observation on the distribution and fluctuations of planktonic larvae of Mandapam. <i>Proc. Indo-Pacific Fish. Coun. Symposium on marine and freshwater plankton in the Indo-Pacific</i> : 21-34. |
| Prasad, R.R. | 1969 | Zooplankton biomass in the Arabian Sea and the Bay of Bengal with a discussion on the fisheries of the regions. <i>Proc.Nat.Inst.Sci.India</i> , 35: 399-437. |
| Premchand, K., Harish, C.M. and Nair, M.N.M. | 1985 | Hydrography of the Beypore estuary. <i>Proc. Nat. Sem. Estuarine Management</i> , 44-48. |
| Pritchard, D.W. | 1955 | Estuarine circulation patterns. <i>Proc. ASCE.</i> , 81, <i>Seperate No.</i> 717. |
| Purushothaman, A. and Bhatnagar, G.P. | 1976 | Primary production studies in Porto Novo waters, S. India. <i>Arch. Hydrobiol.</i> , 77: 37-50. |
| Purushothaman, A. and Venugopalan, V.K. | 1972 | Distribution of dissolved silicon in the Vellar estuary. <i>Indian J. Mar.Sci.</i> , 3: 48-52. |
| Putnam, H.D. | 1966 | Limiting factors for primary productivity in a west coast Florida estuary. <i>Third International conference on water pollution research, Munich, Germany paper</i> , 7, 22 p. |

- Qasim, S.Z. 1970 Some problems related to the food chain in a tropical estuary. *In marine food chains (Ed.) JH Stele (Edinburg: Oliver and Boyd)* 45-51.
- Qasim, S.Z. 1972 Productivity of backwaters and estuaries. *In: The biology of Indian Oceans, B. Zeitzchel (Ed.) Springer-Verlag. Berlin-Heidelberg., New York.* 143-154.
- Qasim, S.Z. 1977 Biological productivity of the Indian Ocean. *Indian J. Mar. Sci.*, 6:122-137.
- Qasim, S.Z. 1978 Distribution of chlorophyll 'a' in the Indian Ocean. *Indian J.Mar.Sci.*, 7: 258-262.
- Qasim, S.Z., Bhattathiri, P.M.A. and Abidi, S.A.H. 1968 Solar radiation and its penetration in a tropical estuary. *J.Exp.Mar.Biol.Ecol.*, 2:87-103.
- Qasim, S.Z., Bhattathiri, P.M.A. and Devassy, V.P. 1972 The influence of salinity on the rate of photosynthesis and abundance of some tropical phytoplankton. *Mar. Biol.*, 12: 200-206.
- Qasim, S.Z. and Gopinathan, C.K. 1969 Tidal cycle and environmental features of Cochin backwater (a tropical estuary). *Proc. Indian Acad. Sci.*, 69B : 336-348.
- Qasim, S.Z. and Reddy, C.V.G. 1967 Estimation of plant pigments of Cochin backwater during monsoon months. *Bull.Mar.Sci.*, 17: 95-110.
- Qasim, S.Z. and Sengupta, R. 1981 Environmental characteristics of the Mandovi-Zuari estuarine system in Goa. *Estuar. Coast. Shelf. Sci.*, 13: 557-578.
- Qasim, S.Z., Vijayaraghavan, S., Joseph, K.J. and Balachandran, V.K. 1974 Contribution of microplankton and nanoplankton in the waters of tropical estuary. *Indian J.Mar.Sci.*, 3: 146-149.
- Qasim, S.Z., Wellershaus, S., Bhattathiri, P.M.A. and Abidi, S.A.H. 1969 Organic production in a tropical estuary. *Proc. Indian Acad.Sci.*, 69B: 51-94.
- Radhakrishnan, K., Devassy, V.P., Bhargava, R.M.S. and Bhattathiri, P.M.A. 1978 Primary production in the North Arabian Sea. *Indian J.Mar.Sci.*, 7: 271-275.
- Ragothaman, G. and Ramachandra Reddy. 1982 Hydrobiology of Tapi estuary, Surat. *Indian J. Mar. Sci.*, 11.

- Rajagopal, S., Jayapaul Azariah, and Nair, K.V.K. 1990 Ecology of fouling organisms in Edaiyur backwaters, Kalpakkam. *Mahasagar*, 23 (1) : 29-41.
- Rajan, K.C. 1972 Studies on the interstitial fauna of the south west coast of India. *Ph.D. Thesis University of Kerala, India*.
- Rajathy, S. 1985 Studies on the ecology, taxonomy, abundance and distribution of onuphid polychaete *Onuphis eremita* in and around Porto Novo beaches. *M.Phil. Thesis, Annamalai University*.
- Rajendran, A. 1974 Studies on the ecology of the Vellar estuary. Chemistry and microbiology of regeneration of nutrients. *Ph.D. Thesis, Annamalai University*, 323 pp.
- Rajendran, N. 1984 Organochlorine pesticide residues in Vellar estuary. *Ph.D. Thesis, Annamalai University*, 273 pp.
- Ram, J.M., Desai, B.N. and Abidi, S.A.H. 1984 Diurnal variation of phytoplankton and pigments and population in the nearshore waters off Thal. *Mahasagar*, 17(1): 41-47.
- Ram, J.M. and Goswami, S.C. 1993 Observations on phytoplankton pigments, zooplankton and physico-chemical parameters in surface waters from southern Indian ocean and Antarctic region. *Mahasagar*, 26 (2) ;123-131.
- Ramadhas, V. 1977 Studies on phytoplankton, nutrient and some trace elements in Porto Novo waters. *Ph.D. Thesis, Annamalai University*, 135 pp.
- Ramadhas, V., Subramanian, B.R. and Venugopalan, V.K. 1975 The significance of nanoplankton in primary production in Porto Novo waters. *Mahasagar*, 8(3 & 4): 171-181.
- Ramamirtham, C.P. and Jayaraman, R. 1963 Some aspects of the hydrographical conditions of the backwaters around Willington island (Cochin). *J.Mar.Biol.Ass. India*, 5(2): 170-171.
- Ramamoorthi, K. 1954 A preliminary study of the hydrology and fauna of Vellar estuary (South Arcot). *Proc. Indo. Pacific Fish. Council Symp.*, 9.
- Raman, K., Ramakrishna, K.V., Radhakrishna, S., and Rao., G.R.M. 1975 Studies on the hydrobiology and benthic ecology of lake Pulicat. *Bull.Dept.Mar.Sci., Univ. Cochin*, 7: 855-884.

- Ramanathan, R. and Varadarajalu, R. 1975 Hydrology and Hydrography of the Kistna estuary. *Recent researches in estuarine biology edited by R. Natarajan (Hindustan Publishing corporation (I) Ltd., New Delhi):* 151-164.
- Ramaraju, V.S., Sarma, V.V., Raju, G.R.K. and Subba Rao, V. 1990 Mixing in Visakhapatnam harbour and nutrient inputs to the nearshore waters, east coast of India. *Mahasagar*, 23 (1) : 49-54.
- Ramasarma, D.V. 1970 Diurnal changes in the physico-chemical conditions during the tidal cycles in the Gaurami-Godavari estuary. *Prof. Ganapati Shas.Comm.*, 1:191 pp.
- Ramasarma, D.V., Radhakrishna, Y., Subramanyam, M., Rao, V.V., Rao, M.B., Chandramohan, P., Ganapati, P.N., Rao, T.S.S. and Dutt, S. 1964 Hydrobiological and faunistic survey of Godavari estuarine systems. *Final Report, Department of Zoology, Andhra University, Waltair*, 54 pp.
- Rangarajan, K. 1958 Diurnal and tidal cycle in Vellar estuary. *J.Zool.Sci. India*, 10: 54-67.
- Rao, S.V.S. and George, P.C. 1959 Hydrology of Korapuzha estuary, Malabar, Kerala. *J. Mar. Biol. Ass. India*, 1(2) : 112-223.
- Rao, T.S.S., Madhupratap, M. and Haridas, P. 1975 Distribution of zooplankton in space and time in a tropical estuary. *Bull.Dept.Mar.Sci., Univ. Cochin*,7: 695-704.
- Rao, D.S. and Ramamirtham, C.D. 1976 Seasonal variations in the hydrographic features along the southwest coast of India. *Indian J. Fish.*, 21(2):514-524.
- Rao, Sinka, P.C. and Dube, S.K. 1998 Circulation and salinity in Hooghly estuary: A numerical study. *Indian J. Mar. Sci.*,27: 121-128.
- Ratna Bharati, R.V., Kalavati, C. and Raman, A.V. 2001 Planktonic flagellates in relation to pollution in Visakhapatnam harbour, east coast of India. *Indian J.Mar.Sci.*, 30: 25-32.
- Raymont, J.E.G. 1980 Plankton and productivity in the oceans. *2nd ed. Vol.1, Pergamon press, Oxford.*
- Revichandran, C. and Abraham Pylee. 1998 Mixing and flushing time scales in the Azhikode estuary, southwest coast of India. *Indian J.Mar.Sci.*, 27:163-166.

- Read, P.A., Anderson, K.J., Matthews, J.E., Watson, P.G., Halliday, M.C. and Shiells, G.M. 1983 Effects of pollution on the benthos of the Firth of Forth. *Mar. Poll.Bull.*, 14: 12-16.
- Redding, J.M. and Cory, R.L. 1975 Macroscopic benthic fauna of three tidal creeks adjoining the Rhode river, Maryland. *Water Resources Investigations*, 39-75.
- Reddy, H.R.V. and Hariharan, V. 1985 Meiofauna of Netravathi-Gurupur estuary (Mangalore), west coast of India. *Indian J.Mar.Sci.*, 14:163-164.
- Reddy, A.N., and Reddeppa Reddi. 1994 Seasonal distribution of Foraminifera in the Araniar river estuary of Pulicat, south east coast of India. *Indian J.Mar.Sci.*, 23:39-42.
- Reddy, M.P.M., Hariharan, V. and Kurian, N.P. 1979 Seasonal variations in hydrographic conditions of estuarine and oceanic water adjoining the old Mangalore port. *Indian J. Mar. Sci.*, 8:73-77.
- Redfield, A.C. 1934 On the proportion of organic derivations in seawater and their relation to the composition of plankton. *Jame Johnston Memorial Volume, Univ.Press of Liverpool*, 176-192.
- Reinger, Z. 1973 Phytoplankton of the Southern Baltic Sea. *Arch.Hydrobiol.*, 20(3): 371-378.
- Remani, K.N. 1979 Studies on the effect of pollution with special reference to benthos. *Ph.D. Thesis, Univ. Cochin*, 162 pp.
- Remani, K.N., Nirmala, E. and Nair, S.R. 1989 Pollution due to coir retting and its effect on estuarine flora and fauna. *Intern. J. Environ. Studies*, 32 : 285 - 295.
- Remani, K.N., Venugopal, P., Sarala Devi, K. and Unnithan, R.V. 1981 Sediments of a retting yard. *Indian J. Mar. Sci.*, 10:41-44.
- Riley, G.A. 1957 Indicator organisms of pollution in Cochin backwaters. *Mahasagar*, 16 : 199-207.
- Roberto Sandulli and Marina De Nicola-Giudici. 1990 Pollution effects on the structure of meiofaunal communities in the Bay of Naples. *Marine. Poll. Bull.*, 21:144-153.

- Rochford, D.J. 1951 Studies in Australian estuarine hydrology: I. Introductory and comparative features. *Aust. J. Mar. Freshw. Res.*, 2 : 1-116.
- Rutgers Vanuder Loeff, N.M. 1981 Regeneration of nutrients in Dutch coastal sediments. *Thesis, Groningen University, Neth. J. Sea Res.*, 14: 123-171.
- Ryther, J.H. and Dunstan, W.M. 1971 Nitrogen, phosphorus and eutrophication in the coastal marine environment. *Sci.* 171: 1008-1013.
- Sanders, H.L. 1958 Benthic studies in Buzzards Bay. 1. Animal-sediment relationships. *Limnol. Oceanogr.*, 3 : 245-258.
- Sankaranarayanan, V.N. and Qasim, S.Z. 1969 Nutrients of the Cochin backwaters in relation to environmental characteristics. *Mar. Biol.*, 2: 236-247.
- Sankaranarayanan, V.N., Rao, D.P. and Antony, M.K. 1978 Studies on some hydrographical characteristics of the estuarine and inshore waters of Goa during the southwest monsoon 1972. *Mahasagar*, 11 : 125-136.
- Santhakumari, P. 1968 Phosphorus fractions in Porto Novo waters during 1965 - '66. *Bull. Nat. Inst. Sci., India*, 38:87-92.
- Santhakumari, P. 1969 Seasonal variations of chlorophyll 'a', 'b' and 'c' at the mouth of the Vellar estuary from January 1967 to December 1968. *Seminar on some aspects of hydrobiology of shallow waters, Abstracts: 19 and 20, C.A.S. in Marine Biology, Porto Novo.*
- Santhakumari, P. 1970 Seasonal variations in the N:P ratios in the surface water of the mouth of the Vellar estuary. *Journal of Annamalai University*, 28: 13-18.
- Santhakumari, P. 1971 Studies on phytoplankton in relation to nutrients and chlorophyll at the mouth of the Vellar estuary. *Ph.D. Thesis, Annamalai University*, 197 pp.
- Santhakumari, V., Tiwari, L.R. and Vijayalakshmi R Nair. 1999 Species composition, abundance and distribution of hydromedusae from Dharamtar estuarine system, adjoining Bombay harbour. *Indian J. Mar. Sci.*, 28:158-162.
- Santhanam, R. 1976 Hydrobiological studies in Porto Novo waters. Ecology of phytoplankton in different biotopes. *Ph.D. Thesis, Annamalai University*, 101 pp.

- | | | |
|--|------|--|
| Santhanam, R. and Krishnamurthy, K. | 1975 | Species distribution in an aquatic environment. <i>Indian J. Mar.Sci.</i> , 3 : 135-138. |
| Santhanam, R., Krishnamurthy, K. and Subbaraju, R.C. | 1975 | Zooplankton of Porto Novo., South India. <i>Bull.Dept.Mar.Sci., Univ. Cochin.</i> , 7: 899-912. |
| Santhanam, R., Krishnamurthy, K. and Sundararaj, V. | 1975 | Quantitative phytoplankton ecology. <i>Bull.Dept. Mar.Sci., Univ. Cochin</i> , 7: 769-780. |
| Sarala Devi, K. | 1987 | Effect of industrial pollution on the benthic communities of a tropical estuary. <i>Ph.D. Thesis, Cochin University of Science and Technology.</i> |
| Sarala Devi, K., Venugopal, P., Remani, N., Lalitha, S. and Unnithan, R.V. | 1979 | Hydrographic features and water quality of Cochin backwaters in relation to environmental pollution. <i>Indian J.Mar.Sci.</i> , 8 (3): 141-143. |
| Sarala Devi, K., Venugopal, P., Remani, K.N., Aacharias, D. and Unnithan, R.V. | 1983 | Nutrients in some estuaries of Kerala. <i>Mahasagar</i> , 6(2): 161-174. |
| Sarma, A.L.N.and Wilsanand, V. | 1996 | Meiofauna of the outer channel of Chilka lagoon, Bay of Bengal. <i>Indian J.Mar.Sci.</i> , 25:302-306. |
| Sarojini, Y. and Nittala, S. Sarma. | 2001 | Vertical distribution of phytoplankton around Andaman and Nicobar Islands, Bay of Bengal. <i>Indian J.Mar.Sci.</i> , 30: 65-69. |
| Satpathy, K.K. | 1996 | Seasonal distribution of nutrients in the coastal waters of Kalpakkam, east coast of India. <i>Indian J. Mar.Sci.</i> , 25: 221-224. |
| Schweitzer, J.P. | 1974 | Meiobenthic fauna. <i>LSV Marine Science Teaching Aid Issue</i> , 5 - 8. |
| Sen Gupta, R. and Upadhyay, S. | 1987 | Nutrient biogeochemistry of the Mahanadi estuary, <i>Contributions in Marine Sciences, Dr. S.Z.Qasim sixtieth birth day felicitation volume</i> ; 291-305. |
| Seshadri, B. | 1957 | Population dynamics of phytoplankton. <i>J. Zool. Soc. India</i> , 9: 183. |

- Seshaiya, R.V. 1959 Some aspects of estuarine hydrography. *Curr. Sci.*, 2: 28-54.
- Seshappa, G. 1953 Observations on the physical and biological features of the inshore sea bottom along the Malabar coast. *Proc. Nat. Inst. Sci., India*, 19:257-279.
- Sewell, R.B.S. 1913 Note on plankton from Chilka lake. *Rec. Indian Mus.*, 9: 338-340.
- Shepard, F.P. 1954 Nomenclature based on sand - silt - clay ratios. *Journal of Sedimentary Petrology*, 24(3):151-158.
- Shetty, H.P.C., Saha, S.B. and Ghosh, B.B. 1962 Observation on the distribution and fluctuations of plankton in the Hooghly-Matlah estuarine system, with notes on their relation to commercial fish landings. *Indian J. Fish.*, 8 : 326 -363.
- Shibu, S. 1991 Ecology of Paravur Lake. *Ph.D. Thesis, University of Kerala*, 512 pp.
- Shriadah, M.M.A. and Saif M. A 1999 Environmental characteristics of the united Arab Emirates waters along the Arabian Gulf: Hydrographical survey and nutrient salts. *Indian J. Mar. Sci.*, 28: 225-232.
- Shynamma, C.S. and Balakrishnan, K.P. 1973 Diurnal variation in some physico-chemical factors in Cochin backwater during southwest monsoon. *J.Mar.Biol. Ass. India*, 15:391-398.
- Silas, E.G. and Pillai, P.P. 1975 Dynamics of zooplankton in a tropical estuary (Cochin backwater), with a review on the plankton fauna of the environment. *Bull.Dept.Mar.Sci., Univ.Cochin*,7: 329-335.
- Sinclair, M. 1977 Phytoplankton distributions in the Lower St. Lawrence estuary. *Ph.D. Thesis, Univ. of California, San Diego Calif.*, 200 pp.
- Sinclair, M., Sabh, M.I. and Brindle, J.R. 1976 Nutrient transport in the Lower St. Lawrence estuary. *J. Fish. Res. Board Can.*, 33:1271-1277.
- Singbal, S.Y.S. 1973 Diurnal variations of some physico-chemical factors in Zuari estuary, Goa. *Indian J.Mar.Sci.*, 2:90-93.
- Sivadasan, K.K. and Joseph, K.J. 1997 Distribution and role of benthic microalgae in Cochin estuary. *J. Mar. Biol. Ass. India*, 39 (1 &2) : 27-32.

- Sivakumar, V. 1982 An environmental inventory of the tidal zone of the Vellar estuary. *Ph.D. Thesis, Annamalai University*, 195 pp.
- Smayda, T.J. 1965 A quantitative analysis of the phytoplankton of the Gulf of Panama. II. On the relationship between ¹⁴C assimilation and the diatom standing crop. *Inter. Amer. Trop. Tuna. Comm. Bull.*, 9:465-531.
- Smayda, T.J. 1973 The growth of *Skeletonema coastatum* during a winter spring bloom in Narragansett Bay. *Norw.J.Bot.*, 20:219-249.
- Smith, J.N. and Schafer, C.T. 1999 Sedimentation, bioturbation and Hg uptake in the sediments of the estuary and Gulf of St.Lawrence. *Limnol. Oceanogr.*, 44 (1) : 207-219.
- Sreedharan Manikoth and Mohammed, K.Y. Salih. 1974 Distribution characteristics of nutrients in the estuarine complex of Cochin. *Indian J. Mar. Sci.*, 3:125-130.
- Sreekumar.R. and Joseph, K.J. 1997 Contribution of periphytic algae to the bioproductivity in Cochin estuary. *J. Mar. Biol.Ass.India*, 39 (1&2):13-19.
- Sreenivasan, A. and Pillai, K.V.N. 1972 Hydrology of Pulicat lake. *Semi. Maricult. Mech. Fishing, Proc., Madras*: 60-65.
- Sreenivasan, A., Sundararaj, R. and Franklin, T. 1969 Hydrobiological conditions of the Adyar river and the estuary. *First All India Symp. Estuar. Biol., Tambaram, Madras*.
- Srikrishnadhas, B., Ramamoorthi, K. and Balasubramanian, K. 1987 Polychaetes of Porto-Novo Waters. *J.Mar.Biol.Ass. India*, 29: 134-139.
- Srikrishnadhas, B., Jayapalan, N. and Ramamoorthi, K. 1981 Ecology of the population of polychaetes in the intertidal region of the Vellar estuary. *Proc.Symp. Ecol.Anim.Popul.Zool.Surv.India*, 1:73-81.
- Srikrishnadhas, B., Antony S. Fernando and Ramamoorthi, K. 1975 Seasonal variation and relative abundance of invertebrate larvae of Vellar estuary and nearshore waters of Porto Novo. *Bull. Dept.Mar.Sci., Univ. Cochin*, 7: 801-814.
- Steemann Nielsen, E. 1963 Productivity definition and measurement. In: *The Sea (Ed.) M.N Hill (New York: Inter Science)*, 2: 129-164.
- Steemann Nielsen, E., and Jensen, E.A. 1957 Primary oceanic production, the autotrophic production of organic matter in the ocean. *Galathea Rep.*, 1:49-136.
- Stone, A.N. and 1965

- Reish, D.J. The effect of fresh-water run off on a population of estuarine polychaetous Annelids. *Bull. S. Calif. Acad. Sci.*, 64 : 111-119.
- Strickland, J.D.H. and Parsons, T.R. 1972 A handbook of seawater analysis. *Bull. Fish.Res.Bd. Canada*, 167:130 .
- Subbaraju, R.C. 1968 Studies in planktonic copepoda of estuarine and inshore waters of Porto Novo (South India). *Ph.D. Thesis, Annamalai University*.
- Subbaraju, R.C. and Krishnamurthy, K. 1972 Ecological aspects of plankton production. *Mar. Biol.*, 14: 25-31.
- Subramanian, B.R. and Venugopalan, V.K. 1978 Diurnal variation in net phytoplankton and nanoplankton primary production and chlorophyll-'a' in the Vellar estuary. *Indian J. Mar. Sci.*, 7: 267-270.
- Subramanian, B.R., Ramadhas, V. and Venugopalan, V.K. 1977 Nanoplankton production in Vellar estuary. *Curr. Sci.*, 46:212-215.
- Subramanyan, R. 1959 Studies on the phytoplankton of the west coast of India. *Proc.Indian Acad.Sci.*, 1: 113-252.
- Sudarshan, R. and Neelakantan, B. 1980 Kali estuary - an exploitable nursery site in Uttara Kannada, Karnataka. *Sea Food Exp. J.*, 12.
- Sujata Mishra and Panigrahy, R.C. 1996 Copepods of Bahuda estuary (Orissa), east coast of India. *Indian J. Mar. Sci.*, 25:98-102.
- Sujata Mishra and Panigrahy, R.C. 1999 Zooplankton ecology of the Bahuda estuary (Orissa), east coast of India. *Indian J. Mar. Sci.* 28:297-301.
- Sundararaj, V. 1978 Hydrobiological studies in the Vellar-Coleroon estuarine system. *Ph.D. Thesis, Annamalai University*, 111 pp.
- Sundararaj, V. and Krishnamurthy, K. 1973 Photosynthetic pigments and primary production. *Curr. Sci.*, 42:185-189.
- Sundararaj, V. and Krishnamurthy, K. 1974 Studies on phytoplankton pigments in Porto Novo Waters (India). I: Mangrove. *J.Exp. Mar.Biol.Ecol.*, 14: 275-284.
- Sundararaj, V. and Krishnamurthy, K. 1975 Nutrients and plankton: Backwater and mangrove environment. In: *Recent researches in estuarine biology edited by R. Natarajan (Hindustan Publishing Corporation(I) Ltd. New Delhi): 273-363*

- 290.
- SunilKumar, R. 1995 Macrobenthos in the mangrove ecosystem of Cochin backwaters, Kerala, south west coast of India. *Indian J. Mar. Sci.*, 24:56-61.
- Sunil Kumar, R. 1996 Distribution of organic carbon in the sediments of Cochin Mangroves, south west coast of India. *J.Mar.Sci.*, 25: 274-276.
- SunilKumar, R. and Antony, A. 1994 Impact of environmental parameters on polychaetous annelids in the mangrove swamps of Cochin. *Indian J.Mar.Sci.*, 23:137-142.
- Suseelan. 1975 Resource and exploitation of juvenile penaeid prawns from Manakkudy estuary. *Indian J.Fish.*, 22 (1&2): 97-106.
- Tamigneaux, E., Legendre, L., Klein, B. and Mingelbier, M. 1999 Seasonal dynamics and potential fate of size-fractionated phytoplankton in a temperate nearshore environment (Western gulf of St. Lawrence, Canada). *Estuarine, Coastal and Shelf Sci.*, 48: 253-269.
- Thangaraj, G.S. 1984 Ecobiology of the marine zone of the Vellar estuary. *Ph.D. Thesis, Annamalai University*, 191 pp.
- Thangaraj, G.S., Sivakumar, V., Chandran, R., Santhanam, R., Srikrishnadhas, B. and Ramamoorthi, K. 1979 An environmental inventory of Porto Novo coastal zone. *Proc.Symp. Environmental Biology*: 75-87.
- Thayer, G.W. 1969 Phytoplankton production and factors influencing production in the shallow estuaries near Beaufort, North Carolina. *Ph.D. Thesis, North Carolina State Univ.*, 170 pp.
- Thomas, W.H. 1970 Effect of ammonium and nitrate concentration on chlorophyll increases in natural tropical pacific phytoplankton populations. *Limnol. Oceanogr.*, 15:386-394.
- Thorsen, G. 1966 Some factors influencing the recruitment and establishment of marine benthic communities. *Netherland Journal of Sea Research*, 3:267-293.
- Tremblay, E., Legendre, L. and 1997 Size-differential effects of vertical stability on the biomass and production of phytoplankton in a large estuarine system. *Estuarine, Coastal and*

- Therriault, J-C. *Shelf Sci.*, 45: 415-431.
- Upadhyay, S. 1988 Physico-chemical characteristics of the Mahanadi estuarine ecosystem, east coast of India. *Indian J. Mar.Sci.*, 17: 19:23.
- Valdes, D.S., and Real,E. 1998 Variations and relationships of salinity, nutrients and suspended solids in a Chelem coastal lagoon at Yucatan, Mexico. *Indian J. Mar. Sci.*, 27:149-156.
- Vamos, R. 1964 The release of hydrogen sulphide from mud. *J. Soil. Sci.*, 15 (1):103-109.
- Varshney, P.K., Govindan, K. and Desai, B.N. 1981 Benthos of the Narmada estuary. *Mahasagar*, 14 (2):141-148.
- Varshney, P.K., Govindan, K., Gaikwad, U.D. and Desai, B.N. 1988 Macrobenthos off Versova (Bombay), west coast of India in relation to environmental conditions. *Indian J. Mar.Sci.*, 17: 222-227.
- Venugopalan, V.K. 1969 Primary production in the estuarine and inshore waters of Porto Novo. *Bull.Natn.Inst.Sci., India*, 38 (2) :743-746.
- Venugopalan, V.K., Vijayalakshmi, G.S. and Rajendran, A. 1981 Nitrate-phosphate relationship in a tropical estuarine environment. *Indian J. Mar.Sci.*, 10(4): 379-382.
- Vijayalakshmi, G.S., 1973 Hydrobiological studies in the Vellar estuary. *Ph.D. Thesis, Annamalai Univ.*, 183 pp.
- Vijayalakshmi, G.S. and Venugopalan, V.K. 1973 Diurnal variation in the physico- chemical and biological properties in Vellar estuary. *Indian J. Mar.Sci.*, 1: 125-127.
- Vijayalakshmi, G.S. and Venugopalan, V.K. 1975 Studies on diversity of phytoplankton species, pigments and succession with a note on primary production at a tidal zone in the Vellar estuary. *Recent researches in Estuarine Biology edited by R. Natarajan (Hindustan Publishing Corporation (I) Ltd., New Delhi): 237-246.*
- Wakeel, E.L. and Riley, J.P. 1957 Determination of organic carbon in marine mud. *J. Cons.Perm. Int. Explor. Mer.*, 22 : 180-183.
- Wellershaus, S. 1973 On the hydrography of the Cochin backwater (A south Indian estuary). *Hydrobiol. Bull.*, 8(1 & 2): 213-223.



