

**References:**

- Ackman, R. G. 1989. Fatty acids. In: Ackman, R. G. (ed.) *Marine biogenic lipids, Fat and Oils*. CRC press Inc. Boca Raton. 2: 145 - 178.
- Ajmal, K. S., Raffi, S. M. AND Lyla, P. S. 2005. Brachyuran crab diversity in natural (Pichavaram) and artificially developed mangroves (Vellar estuary), *Current Science*. 88(8): 1316 – 1324.
- Alikunhi, N. M., Narayananamsamy, R. and Kandasamy, K. 2010. Fatty acids in an estuarine mangrove ecosystem. *Journal of Tropical Biology*. 58(2): 577-587.
- Aller, R. C. 1988. Benthic fauna and biogeochemical processes in marine sediments: the role of burrow structures. *SCOPE (Chichester)* 33: 301 - 338.
- Alongi, D. M. 1990. The ecology of tropical soft-bottom benthic ecosystems. *Oceanography and Marine Biology. Annual Review*. 28: 381 - 496.
- Annandale, N. and Kemp, S. 1915. Fauna of Chilka Lake. *Memories of Indian Museum*. 5: 1 – 20. *Invertebrate Zoology*, 1 ed. Oxford University Press, Australia. P: 4. ISBN 0-19-553941- 9.
- Andrew, N. L. and Mapstone, B. D. 1987. Sampling and the description of spatial pattern in marine ecology. *Oceanography and Marine Biology. An Annual Review*. 25: 39 - 90.
- Ansari, Z. A. 1974. Macrofaunal production in Vembanath Lake. *Bulletin of the National Institute of Oceanography*. 7(3 and 4): 197 – 200.
- Ansari, Z. A., Ingole, B. S., Banerjee, G. and Paruelkar, A. H. 1986. Spatial and temporal changes in benthic macrofauna from Mandovi and Zauri Estuaries of Goa, West Coast of India. *Indian Journal of Marine Science*. 15: 223 – 229.

- Ansari, Z. A., Nair, S. A, Harkantra, S. N. and Parulekar, A. H., 1979. Studies on dimensional relationships in green mussel *Mytilus* (=Perna) *viridis* from three environments. *Mahasagar*, 11: 201 - 205.
- Anvar Batcha, S. M. 1997. Studies on intertidal and benthic macrofauna of Damman cornice and Half moon Bay beaches of the Arabian Gulf. *Journal of Marine Biological Association of India*.39: 40 - 43.
- APHA (American Public Health Association). 2005. Standard methods for the examination of water and waste water. 20<sup>th</sup> Edition. Washington DC:American Water Works Association and Water Environment Federation.
- Aziz, N. A., Azlan. A., Ismail, A., Alinafiah, S. M. and Razman, M. R. 2013. Quantitative determination of fatty acids in marine fish and Shellfish from warm water of straits of Malacca for nutraceutical purposes. *BioMed Research International*.doi.org/10.1155/2013/284329.
- Baby R. L, Hassan I, Kabir K. A, and Naser M. N. 2010. Nutrient Analysis of Some Commercially Important Molluscs of Bangladesh. *Journal of Scientific Research*. 2(2), 390-396.
- Bandopadhyay, S., Pahari, D., Bhakti, R. K. and Maity, G. G. 1998. Evolution of Nayachar Island, Hoogly Estuary, West Bengal. *Indian Journal of Geography and Environment*. 3: 69 – 71.
- Banerjee, R. K. and Chattopadhyay, G. N. 1980. Methodology for soil and water analysis in brackish water culture system. Central Inland Fisheries Research Institute Miscellaneous Contribution.15: 1 - 5.
- Bayne, B. L., Salkald, P. N., and Worrall, C. M. 1983. Reproductive effort and value in Different population of marine mussel, *Mytilus edulis*, *Loligo oecologia*. (Berlin) 59, 18 – 26.

- Benshila, R., Durand, F., Masson, F., Bourdalle-Badie, B., Boyer Monte-gut, C., Papa, F., Madec, G. 2014. The upper Bay of Bengal salinity structure in a high –resolution model. *Ocean Modelling*. ELSEVIER. <http://dx.doi.org/10.1016/j.ocemod.2013.12.01>.
- Bertness, M. D. 1999. The ecology of Atlantic shore line. *Sinauer Associates, Inc. Sunderland*. 417.
- Beukema, J. J. 2002. Expected changes in the benthic fauna of Wadden Sea tidal flats as a result of sea – level rise or bottom subsidence. *Netherlands journal of Sea Research*. 47: 25 - 39.
- Beyza Ersoy, Hulya Sereflisan. 2010. The Proximate Composition and Fatty Acid Profile of Edible Part of Two Fresh Water Mussels. *Turkish Journal of Fisheries and Aquatic Sciences*, 10: 71 - 74.
- Bharadhirajan, P., Murugan, S., Gopalakrishnan, A., Murugesan, P. 2015. Finfish diversity in Coleroon estuary, South east coast of India. *Indian Journal of Goa – Marine Science*. Vol. 44(1):1 – 6.
- Bhattacharya, A. 2000. Surface sculpture and layering in the transitional zone between intertidal and supratidal flats of the mesotidal tropical coast of Eastern India. *Tidalite 2000 Dynamics, Ecology and Evolution of the tidal flats (Abstract)* 7 – 8.
- Bhunia, A. B and Choudhury, A. 1981. Observation on the hydrology and quantitative studies on benthic macrofauna in the tidal creek of Sagar Island, Sundarbans, West Bengal. *Proceedings of Indian National Science Academy*, B 47: 398 - 407.
- Bigot, L., Gremare, A., Amouroux, J. M., Frouin, P., Maire, O. and Gaertner, J. C. 2008. Assessment of the ecological quality status of soft bottoms in Reunion Island (Tropical South West Indian Ocean) using AZII marine bioticindices. *Marine pollution Bulletin*. 56: 704 – 722.
- Blasco, F. 1977. Wet coastal ecosystems. In: *Ecology of the World*. 1 (ed.) V.J. Chapman, Elsevier Scientific Co. Amsterdam. P. 141 – 260.

- Borja, A., Franco, J. and Perez, V. 2000. A marine biotic index to establish the ecological quality of soft bottom benthos with in European estuarine and burrowing behavior of the Indo-Pacific beach star *Archaster typicus* (Echinodermata: Asteroidea). *Marine Biology*. 158: 639 – 648. doi: 10.1007/s00227 – 010 – 1588 – 0.
- Bouchet, V. M. P. and Sauriau, P. G. 2008. Influence of oyster culture practices and environmental conditions on the ecological quality of intertidal mudflats in the Pertuis Charentais (SW France): a multi- index approach. *Marine Pollution Bulletin*. 56: 1892 - 1912.
- Brenchley, G. A. 1981. Disturbance and community structure: an experimental study of bioturbation in marine soft-bottom environments. *Journal of Marine Research*. 39: 367 – 790.
- Brockhoff and McLay, C. L. 2005. Factors influencing the onset and duration of receptivity of female purple rock crabs, *Hemigrapsus sexdentatus* (H. Milne Edwards, 1837) (Brachyura: Grapsidae). *Journal of Experimental Marine Biology and Ecology*. 314: 123 – 135.
- Bruyer, D. C., Foulon, M. 1990. The amino acid composition of meat and bone meal and its predictability. *Archives of Animal Nutrition*. 40(3): 259 – 265.
- Brunn, P., Mehta, A. J., Johnsson, I. G. 1980. Stability of Tidal Inlets, Theory and Engineering. Elsevier. 510. New York, New York.
- Byre'n, L., Ejdung, G. and Elmberg, R. 2006. Uptake of sedimentary organic matter by the deposit-feeding Baltic amphipods *Monoporeia affinis* (Lindstrom) and *Pontoporeia femorata* (Kroyer). *Journal of Marine Biology and Ecology*. 313: 135 – 143.
- Cai, L., Tsui, K. M., Zhang, K. Q. And McKenzie, E. H. C. 2003. Fresh water fungi from bamboo and wood submerged in the Liput River in the Philippines. *Fungal Divers*. 139(1): 1 – 12.
- Cameron R. (2016). *Slugs and snails*. Harper Collins Publishers, London, 508 pp. ISBN 978 – 0 -00 – 711301 - 9.

- Carey, J. M. and Keough, M. J. 2002. The variability of estimates of variance and its effect on power analysis in monitoring design. *Environmental Monitoring and Assessment*. 74(3): 225 – 241.
- Carolus Linnaeus. 1758. *Systema Naturae*. 10 th Edition.
- Chakraborty, S. K. and Choudhury, A. 1985. Distribution of fiddler crabs in SunderbansMangrove Estuarine Complex, India. In: The Mangrove: *Proceeding of National Symposium on Biology Utilization and Conservation of Mangroves*. Edt. L. J. Bhosale: 467 – 472.
- Chakraborty, S. K. and Choudhury, A. 1992. Ecological studies in the zonation of brachyuran crabs in a virgin mangrove island of Sunderbans , India. *Journal of Marine Biological Association of India*. 34: 189 – 194.
- Chakraborty, S. K. and Choudhury, A. 1994. Community structure of macrobenthic polychaetes of intertidal region of Sagar Island, Hoogly Estuary, Sunderbans, India. *Tropical Ecology*. 35(1): 97 -104.
- Chakraborty, S. K., Poddar, T. K. and chaudhury, A. 1994. species diversity of macrozoobenthos of sagar Island, Sunderbans, India. *Proceeding of Zoological Survey of Calcutta (Suppl. A)*: 435 – 444.
- Chakraborty, S. K. 1998. Coastal aquaculture and environment in the context of West Bengal, India. Vidyasagar University. *Journal of Biological Sciences*. 4: 13 – 20.
- Chakraborty, S. K., Giri, S., Chakravarty, G., and Bhattacharya, N. 2009. Impact of Eco-restoration on the biodiversity of Sunderbans mangroveecosystem, India. *Water Air Pollution : Focus* 9: 303 – 320.
- Chakraborty S. K. (2010). Coastal Environment of Midnapore, West Bengal: Potential Threats and Management. *Journal of Coastal Environment*, Vol.1, No.-1, pp 27-40.

- Chakraborty, A. 2003. Large point bars in a monsoonal estuarine environment (East coast of India): An atlas of near surface sedimentary and biogenic structures. *Senckenbergiana maritime*. 32: 95 – 111.
- Chandra, A., Chakraborty, G. and Chakraborty, S. K. 2003. Polychaete diversity in the coastal belt of Midnapore district, West Bengal, India. *Nature Conservation*, 15(2): 391 – 404.
- Chandra, A., Chakraborty, G. 2008. Distribution, density and community ecology of macrobenthic intertidal polychaete in the coastal tract of Midnapore, West Bengal, India. *Journal of marine biological association of India*. 50(1): 1 – 19
- Chang, J. H. and Park, Y. A. 2000. Intertidal deposits controlled by Holocene sea – level rise in Gomso Bay, West of Corea. *Tidalite 2000 Dynamics, Ecology and Evolution of the Tidal flats (Abstract)*. P. 14 – 17.
- Chapman, A. D. 2009. Numbers of Living Species in Australia and the World, 2nd edition. Australian Biological Resources Study, Canberra. Retrieved 12 January 2010 ISBN 978-0-642-56860-1 (printed); ISBN 978-0-642-56861-8.
- Chandramohan, P., Nayak, B.U., Anand, M. N. and Kumar, V. S. 1992. Field measurement on long shore current variation between Ratnagiri and Mangalore, west coast of India. Proceeding VIII Conference, International association of hydraulic research. CWPRS, Pune, India. P. 271 – 282.
- Chatterjee, T. K and Mitra, S. 2003. Esturine mollusks of Talsari (Orissa): Role in rural economy and need for their conservation, National sysposium on assessment and management of biological recourses. University of North Bengal. (Abstract only).
- Chaudhuri, A., Das, A., Bhattacharya, S. and Bhunia, A. B. 1980. A quantitive assessment of benthic macrofauna in the intertidal mudflats of Sagar Island, Sunderbans , India. Parer presented at *Asian symposium on mangrove environment research and management*. Kualalumpur (In press).

- Choi, K. S. and Park, Y. A. 2000. Tidal rhythmites in the Kuunggi Bay, west coast of Kerala: A comparison between Holocene and Late Pleistocene example; Tidalite 2000 Dynamics, Ecology and Evolution of the Tidal flats (Abstract): 14 – 17.
- Choudhury, A., Das, A., Bhattacharya, S. and Bhunia, A. B. 1980. A quqntitative assessment of benthic macrofauna in the intertidal mudflats of Sagar Island, Sundarban, India. Paper presented at *Asian symposium on mangrove environment research and management*. Kualalumpur (In press).
- Chattopadhyay Devapriya, Rathie Ashish and Das Anirban. 2013. The Effect of Morphology on Postmortem Transportation of Bivalves and Its Taphonomic Implications. PALAIOS, v. 28, p.203 -209.
- Colley, Daniel,G.; Bustindny, amaya L.; Secor, W. Evan; King, Charles H. 2014. Human Schistosomiasis. 383(9936): 2253 - 2264
- Conesa, J. A., Fullana, A. 2003. Thermal decomposition of meat and bone meal. Journal of Analytical and Applied Pyrolysis. 70(2): 619 – 630.
- Damotharan, P., Perumal, N. V. and Perumal, P. 2010. Seasonal variation of physicochemical characteristics of Point Calimere coastal waters (South east coast of India). *Middle-East Journal of Scientific Research*. 6(4): 333 - 339.
- Dauer, D. M. 1997. Functional morphology and feeding behavior of *Maranzellaria viridis* (*Polychaeta: Spionidae*). *Bulletin of marine Science*. 60: 512 – 516.
- Darwin-Song. 2008. Speculative Evolution Wiki. Category: Molluscs. Publisher: Technical Technology (Scenzhen) Company Ltd. pages – 641. Available on line – <https://speculativeevolution.fandom.com/wiki/Category:Molluscs>
- Devidson-Arnott, R. 2010. An Introduction to Coastal Processes and Geomorphology. Cambridge University Press. Cambridge. ISBN- 13978- 0- 511- 69133- 1.

- Doty, D. M. 1969. Nutritional constituents in animal By-Product Meals. *FPRF*.
- Doty, D. M. 1970. Mineral constituents in animal By-Product Meals. *Feed stuffs*. 41: 24 – 30.
- Dye, A. H. 2004. Temporal and spatial components of variability in benthic recruitment a 5 year temperate example. *Marine Biology*. 145(1): 201 - 214.
- Dye, A. H. 2006. Influence of isolation from the sea on spatial patterns of macroinfauna in intermittently closed/open coastal lakes in New South Wales. *Austral Ecology*: 31(8): 913 – 924.
- Dyer, K. R., Christe, M. C., Wright, E. W. 2000. The classification of mudflats. *Cont. Shelf. Res.* 20: 1061 – 1078.
- Ehigiator F. A. R. and Oterai E. A. April 2012. Chemical Composition and Amino Acid Profile of a Caridean Prawn (*Macrobrachium vollenhovenii*) from Ovia River and Tropical Periwinkle (*Typonotonus fuscatus*) from Benin River, Edo State, Nigeria. *International Journal of RRAS*, Vol. 11, pp 162 – 167.
- Elliott, M. and Kingstone, P. F. 1987. The sublittoral benthic fauna of the estuary and Firth of Forth, Scotland. *Proc.R.Soc. Edinb.B*.93:449 - 465.
- Essink, K., Damm Bocker, S., Dekker, R., Kleef, H., Madsen, P. B. and Ullerup, N. 2006. Long term changes in intertidal macrozoobenthos; the wax of polychaetes and wane of bivalves. In Monitoring and Assessment in the Wadden Sea. Ed. By K. Laursen. Proceeding from the 11 th Scientific Wadden Sea Symposium, Esbjerg, Denmark: 144.
- Fatima, M. 1996. Growth Indices, Nutritive Value and Chemical Significance of the Green Mussel. Ph-D Thesis, University of Karachi, Karachi.
- Fernandez, M., O. Iribarne, O. and Armstrong, D. 1993. Habitat selection by young of the year Dungeness crab *Cancer magister* and predation risk in intertidal habitats. *Marine Ecology Progress Series*.92: 171 – 177.

- Fortner, R. W. and Ron Mischler, R. 1997. The Estuary: A Special place, *ES-EAGLS-Life in the Great Lakes*. The Ohio State University, 1997.
- Fujii, T. 2007. Spatial patterns of benthic macrofauna in relation to environmental variables in an intertidal habitat in the Humber estuary, UK: developing a tool for estuarine shoreline management. *Estuarine, Coastal and Shelf Science*. 75: 101 – 119.
- Garcia, R. A., Rosentrater, K. A. and Flores, R. A. 2006. Characteristics of North American meat and bonemeal relevant to the development of non-feed application. *Applied Eng. In Agric.* 22(5): 729 – 736.
- Geetha, P. N., Bijoy, S. N. 2014. Ecology, Diversity and Abundance of Macrofauna Crustaceans in Cochin Estuary, India. *Res. J. Recent Sci*, Vol. 3(IVC- 2014): 137 – 148.
- Goff, J. R., Lane, E. and Amold, J. 2009. The Tsunami geomorphology of coastal dunes. *Nat. Hazards Earth Syst. Sci.* 9:847 – 854. 2009.
- Giese, A. C, 1969. A new approach to the biochemical composition of the mollusk body. *Oceanogr. Mar. Biol. Ann. Rev.* 7: 175 - 229.
- Goswami, B. C. Bharati. 1992. Marine fauna of Digha coast of West Bengal, India. *Journal of Marine Biological Association of India*. 34(1 and 2): 115 - 137.
- Gowda, G., Rajesh, K. M., Mridula, R. M. 2009. Vertical distribution of Polychaetes in brackish water pond of Nethravathi estuary, India. *Journal of Environmental Biology*. 30(6): 1025 – 1029.
- Grasshoff, K., 1983. Determination of nitrate. In: Grasshoff, K.; Ehrhardt, M.; Kremling, k. (Eds.): *Methods of Seawater Analysis*. Weinheim: Verlag Chemie: 143.
- Grassle, J. F. and Maciolek, N. J. 1992. Deep sea species richness, regional and local diversity estimates from quantitative bottom-sampling. *Am. Nat.* 139: 313 – 341.
- Hagberg, J., Jonzen, N., Lundberg, P., and Ripa, J. 2003. Uncertain biotic and abiotic interactions in benthic communities. *Oikos*. 100: 353 - 361.

- Hamli Hadi, Idris Mohd Hanafi, Mustafa Kamal Abu Hena, Sing King Wong. 2012, Diversity of Edible Mollusc (Gastropoda and Bivalvia) at Selected Division of Sarawak, Malaysia. *Indian Journal of Advanced Science Engineering Information Technology*. Vol – 2, No.4, pp 5 – 7.
- Heip, C. H. R., Goosen, N. K., Herman, P. M. J., Kromkamp, J., Middleberg, J. J. and Soetaert, K. 1995. Production and consumption of biological particles in temperate tidal estuaries. *Oceanor. Mar. Biol.* 33: 1 – 149.
- Hendriks, W. H. and Butts, C. A. 2002. Nutritional quality and variation of meat and bone meal. *Asian-Australasian journal of animal sciences* 15(10): 1507 - 1516.
- Herman, P. M. J., Middelburg, J. J., Van de Koppel, J. and Heip, C. H. R. 1999. Ecology of estuarine macrobenthos. *Advances in Ecological Research*. 29: 195 - 240.
- Holeman, J. N. 1968. Sediment yield of major rivers of the World water resource. 4: 1 – 21.
- Holeman, K. K., Mc Donald, P. S. and Armstrong, D. A. 2006. Patterns of intertidal migration and habitat use by subadult Dungeness crab (*Cancer magister Dana*) in a coastal estuary of the north eastern Pacific. *Marine ecology progress series*. 308: 183 – 195.
- Hua, K. and Liu, L. 2005. Determination of Phosphorus Fractions in Animal Protein Ingredients. *Journal of Agriculture and Food Chemistry*. 53(5): 1571 – 1574.
- Ingole, B. 2005. “Indian ocean coasts, Coastal Ecology” In Schwartz, M. L. (ed.) Encyclopedia of coastal Sciences. *Springler*. P. 546 – 554.
- Jones S. 2013. The Molluscan Fishery Resources of India. Central Marine Fishery Research Institute, Mandapam Camp, India. pp 906 – 918.
- Jones, C. G., Lawton, J. H. and Shachak, M. 1994. Organisms as ecosystem engineers. *Oikos*. 69: 373 – 386.

- Joydas, T. V. and Damodaran, R. 2001. Macrofauna along the shelf waters of the West coast of India. Paper presented at *IAPSO/IABO Ocean Odyssey Conference* held at Mar Del Plata. 2001.
- Khalua, R. K., Chakravorty, G. and Chakraborty, S. K., 2008. Annotated list of mollusks from the coastal tract of Midnapore district, West Bengal, India. *Journal of Marine Biological Association of India*. 45(2): 245 - 249.
- Khan, M. A. W. 1957. Ecological studies on the mangrove forests in India. *Proc. Mangr. Symp.* Calcutta: 97 – 109.
- Kristein, D. D. 1999. Composition and quality of protein meat and bone meal. Proceeding of the Tri-state dairy nutrition conference: 223 – 242.
- Kumari, L. K. and Nair V. R. 1989. Seasonal Variation in the Proximate Composition of Rock Oyster *Saccostrea cucullata* from Bombay Coast. *J. India Fish. Asso.* 19: 19 - 24.
- Kwadjoosse T. 2009. The law of the sea: Impact on the conservation and management of fisheries resources of developing coastal state – the Ganga case study. Division of ocean affairs and the Law of the sea office of legal affairs, the united nation New York. 2009.
- Kundu N, Chaudhuri A, Mukherjee S, Sen S, Homechaudhuri S, 2012. Seasonal fish diversity under tidal influence in the inter tidal mud flats of Indian Sunderbans. *Indian J Fish.* 59(4): 43 - 52.
- Kumar P. S. and Khan A. B. 2013. The distribution and diversity of benthic macro invertebrate fauna in Pandicherry mangroves, India. *Aquat Biosyste*, NCBI.doi:10.1186/2046-9063-9-15.
- Lapidus, M. and Lempka, L. 1958. Composition studies on Meat and Bone Meal, Proximate Analysis and the Calcium Phosphorus Ration. *Feedstuffs* 30(31): 18 – 22.
- Little, C. 2000. The biology of soft shores and estuaries. Oxford University Press, Oxford. 252.

- Luckenbach, M. W. 1986. Sediment stability around tubes: The roles of hydrodynamic processes and biotic activity. *Limnology and oceanography*. 31; 779 – 787.
- Lucking D. D. and Marchen N. R. 1996. Variation in composition and in situ and in vitrodigestion of meat and bone meals. *Journal of animal sciences*. 74 (supplement 1): 82.
- Maekinnon, J., Verkuil, Y. I., Murray, N. J. 2012. IUCN situation analysis on East and South east Asian intertidal habitats, with particular reference to the Yellow Sea (including the Bohai Sea), *Occasional paper of the IUCN Species Survival Commission* No. 47, Gland, Switzerland and Cambridge, UK. IUCN: 70.
- Manna, S., Chaudhuri, K., Bhattacharyya, S. and Bhattacharyya, M. 2010. Dynamics of Sunderbans estuarine ecosystem: eutrophication induced threat to mangroves. Saline System. *NCBI*. Doi: 10.1186/1746- 1448- 6- 8.
- Manoharan J., Varadharajan D., Thilagavathi B. and Priyadharsani S. 2011. Biodiversity and abundance of benthos along the South East Coast of India. *Advanced in applied Science Research*, 2011, 2 (6): 554 - 562.
- Marale S. M. and Mishra R. K. 2011. Status of Coastal Habitats and its Management in India. *IJEP*. 1(1) 2011: 31 - 45.
- Morgan, J. P. 1970. Deltaic Sedimentation: Modern and Ancient Society. *Polaeont Mineral. Spec. Publ*: 312.
- Mascarenhas, A. and Jayakumar, S. 2008. An environmental perspective of the post – tsunami scenario along the coast of Tamil Nadu, India. Role of sand dunes forests. *Journal of environmental management*. 89: 24 – 34.
- Mc Intyre A.D.1970. The range of biomass in inter tidal sand, with special reference to the bivalve *Tellina tenuis*. *Journal of marine biological association*. U.K. 50: 561 – 575.

- Mees J., Fockedey N. and Hamerlynck O.1995. Comparative study of the hyper benthos of three European estuaries.*Hydrobiologia*. 311: 153 - 174.
- Milliman, J. D. and Meade, R. H., 1983. Worldwide delivery of river sediment to the oceans. *Journal of Geology*. 91: 1 – 21.
- Mitra, A., Patra, K. C. and Bhunia, A. B. 1992. Appearance and growth of benthic fauna in the newly excavated brackish water fish pond. Journal of Marine Biological Association of India. 34: 63 – 69.
- Mishra, A., Soota, T. D. and Chaudhury, A. 1983. On some polychates from Gangetic delta, West Bengal, India. *Records of the Zoological Survey of India*. 5: 41 – 54.
- Mohan, D., Elumalail, V., Subbulakshmi, G., Jayalakshmi, S. and Srinivasan, M. 2013. Biodiversity of cultivable molluscan resources from Pulicat Lake, south east coast of India. *IAEES. Arthropods*, 2013, 2(2): 53 – 65.
- Mukherjee, A. D. and Chatterjee, S. 1997. Coastal erosion and accretion at and around Digha in Midnapore District of West Bengal. *Indian Journal of Geography and Environment*. 12: 1 – 11.
- Murray, N. J., Clemens, R. S., Phinn, S. R. Possingham, H. P. Fuller, R. A. 2014. *Tracking the rapid loss of tidal wet lands in the Yellow Sea. Frontiers in Ecology and the Environment*. 12(5): 267 – 272. Doi: 10.1890/130260.
- Muthuvelu, S., Muniasamy, M., Balachandar, K. S. and Murugesan, P. 2013. Diversity of benthic fauna Coleroon estuary: South East coast of India. *International Journal of Recent Scientific Research*. 4(10): 1617 – 1621.
- Nagabhushanan. R and Talikhedkar P.M. (1977). Seasonal Variation in protein, fat and glycogen of the Wedge clam *Donax cuneatus*. *Indian J. Mar. Sci.* 6: 85 - 87.

Nair R. V. and Rao K. S. (1974). The Commercial Molluscs of India. ICAR Bulletin of the Central Marine Fisheries Research Institute. Central Marine Fisheries Research Institute, Cochin, India.

Namboothri, N., Subramanium, A., Sridhar, S., Rodriguez, M. Menon and Shankar, K. 2008. Policy brief: Sand Dunes. UNEP/UNTRS. Chennai and ATREE, Bangalore, India.

Nandi, S. and Chaudhury, A. 1983. Quantitative studies of the benthic macrofauna of Sagar Island, Sunderbans, India. *Mahasagar – Bulletin of National Institute of Oceanography*. 16(3): 409 - 414.

Nayak, G. N. 2005. Indian ocean coasts, Coastal Ecology. In Schwartz, M. L. (ed.) Encyclopedia of Coastal Sciences. Springer: 557 – 564.

Newell, R. L. E. and Koch, E. W. 2004. Modelling sea grass density and distribution in response to changes in turbidity stemming from bivalve filtration and sea grass sediment stabilization. *Estuaries*. 7: 339 – 350.

Niering, W. A. 1997. Tidal restoration and creation along the coast of North America. In: Research ecology and Sustainable Development. Edt. By Urbanska K. M. Webb. N. R. and Edwards, P. J.: 259 – 285.

Nuckles, R. O. D. M. and Smith 1990. Meat by-product protein composition and functional properties in model systems. *Journal of Food Science*. Chicago, III: The Institute. 55: 640.

Nurjahan, Hafiluddin, Nurhayati Tati, Nugraha Rini. (2012). Nutritional and Antioxidant Properties of Sea Slug (*Discodoris sp*) from Pamekasan Indonesia Sea Water. *European Journal of Scientific Research*, Vol.79 No.1 pp 40 - 47.

Odum, W. E. and Heald, E. J. 1972. Tropic analysis of an estuarine mangrove community. *Bulletin of Marine Science*. 22(3): 671 – 738.

- Olafsson, E. B., Peterson, C. H. and Ambrose, W. G. 1994. Does recruitment limitation structure populations and communities of macro invertebrates in marine soft sediments: The relative significance of pre and post settlement process. *Oceanogr. Mar. Biol.* 32: 65 – 109.
- Ossa-Carretero, J. A., Del-Pilar-Ruso, Y., Gimenez-Casalduero, F. and Sanchez- Lizaso, J. L. 2009. Testing BOPA index in sewage affected soft bottom communities in the North West Mediterranean. *Marine Pollution Bulletin.* 58: 332 – 340.
- Osibona, A, O., Kusemiju, K. and Akande, G.R. (August, 2006). Proximate Composition and Fatty Acids of African Cat Fish *Clarias gariepinus*. *Journal of Life and Physical Sciences*, Vol. 3.
- Overeem, I., Rogers, K., Passalaqua, P., Canestrelli., Cohen, S. Matin, K., 2014. Sedimentation Patterns in the Ganges – Brahmaputra Delta System. AAPG. Annual convention and exhibition, Houston, Texas, 2014.
- Palomo, G., Martinetto, P. and Iribarne, O. 2004. Changes in the feeding behavior of the deposit feeder polychaete *Laeonereis acutaon* soft-sediments inhabited by burrowing crabs. *Marine biology*. 145: 657 – 667.
- Pandey, P., Sahu, P. K. Jha, Y. N. and Shrivastava, A K. 2014. Diversity in Macrofauna and Algal Fauna of Limha Pond, Ghutku, Bilaspur, India. *Open Journal of Marine Science*. 4: 43 – 50.
- Pal, Poulami., Panigrahi A. K. and Tripathy, B. (2014). A Study of Marine Molluscs With Respect to Their Diversity, Relative Abundance and Species Richness in North-East Coast of India. *Indian Journal of Applied Research*. Vol – 4, Issue: 12, page- 538 – 541.
- Paul, A. 2002. Coastal Geomorphology and Environment. ACB Publications, Kolkata, India : 582.

- Parulekar, A. H. 1973. Quantitative distribution of benthic fauna in the inner shelf of central west coast of India. *Indian Journal of Marine Sciences*. 2: 133 – 135.
- Paterson, D. M. Aspden, R. J. and Black, K. S. 2009. Intertidal flats: ecosystem functioning of soft sediment systems. In: Perillo, G. M. Wolanski, E., Cahoon, D. R. and Brinson, M. M., (Eds), *Coastal Wetlands an integrated approach* ELSVIER, Amsterdam: 317 – 343.
- Paterson, C. G. J. and Boysen. J. 2011. A valuation of the Sea – 1. Animal life of the sea-bottom, its food and quality. *Report of Danish Biological Station*. 20: 3 – 79.
- Patra K. C., Bhunia A. B. and Mitra, A. 1990. Ecology of macra benthos in a tidal creek and adjoining mangroves in West Bengal, India. *India. Environ. Ecol.* 11(8): 539 – 547.
- Pritchard D. W. 1967. What is an estuary: physical view point, In: Lauff GH (Ed.), *Estuaries, American Association for the Advancement of Science*, Washington DC: 3 - 5.
- Ramakrishna S. C. and Dey M. A. (2010). Annotated Checklist of Indian Marine Molluscs (Cephalopoda, Bivalvia and Scapopoda). Part – I. Rec. Zool. Sur. India. Oce. Paper No. 320: 1 – 357. (Published by the Director, Zool. Survey. India, Kolkata).
- Ramkrishna, Sarkar Jaydip and Talukdar Shankar. 2003. Marine Invertibrates of Digha Coast and some Recommendation on their Conservation. ZSI, M. Block, New Alipore, Kolkata – 700053, India. Rec. Zool. Surv : 101 (Part 3 - 4) : 1 – 23.
- Rao, D. P. 1977. A comparative study of some physical process governing the potential productivity of the Bay of Bengal and Arabian sea. Ph.D. Thesis, submitted to Andhra University, Waltair. (Unpublished).
- Ranjan S. 1964. Environmental Studies of the Chilka lake: (2) Benthic animal communities. *Indian Journal of Fisheries*. 12: 492 – 499.

- Rao, C. A. N. 1981. On two polychates (Nereidae) from estuarine waters of India. *Bulletin of Zoological Survey of India*. 3(3): 213 – 217.
- Rao, G. C. and Mishra, A. 1996. The micro fauna and macro fauna of Digha beach, West Bengal, India. *Record of Zoological Survey of India*. 83 (4): 31 - 49.
- Remani K. N. 1979. Studies on effect on pollution with special reference to benthos in Cochin back waters. Ph.D. Thesis. University of Cochin.
- Sahu, S. D. 1990. Studies on the distribution and cycling of nutrients of Bay of Bengal. Ph.D. Thesis, submitted to Andhra University. (Unpublished).
- Sahu Gouri, Achary M Smita, Satpathy K. K, Mohanty A. K, Biswas S. and Prasad M.V.R. (December, 2011). Studies on the Settlement and Succession of Macrofouling Organisms in the Kalpakkam Coastal Waters, Southeast Coast of India. *Indian Journal of Geo-Marine Sciences*. Vol.40(6), pp 747 – 761.
- Sarkar, S. K., Bhattacharya, B. and Debnath, S. 1994. The suitability of tropical marine bivalves as biomonitor of heavy metals in deltaic Sunderbans, North – East India. *Chemosphere*. 29(4): 759 – 770.
- Sarkar, S. K., Bhattacharya, B., Bandopadhyaya, G., Giri, S. and Debnath, S. 1999<sup>a</sup>. Tropical coastal organisms as qualitative indicators of mercury and organomercury sustainable use of living resources. *Environment, Development and Sustainability*. 1: 135 – 147.
- Sarkar, S. K., Giri, S., Misra, A., Bhattacharya, A. and Bandopadhyaya, B. 1999<sup>b</sup>. Studies on the Polychates (Annelida) from eastern coastal part of India. *Proceeding of the 6 th International Conference on Environmental Science and Technology*. Samos, Greece. 465 – 472.

Sarvaiya R. T. 1989. Studies on Shell and Meat Coposition of Molluscs from Saurashtra Coast. *Journal of the Indian Fisheries Association*. 19: 59 – 64

Sayan Bhattacharya. 2013. Arsenic contamination in Nadia, West Bengal with special reference to the studies on its bioaccumulation and remediation through absorption”.

Ph.D. thesis. Department of Zoology, University of Calcutta. Available online: Sayan Bhattacharya Phd Zoology 140318 pdf

Siddiqui Ghazala and Ahmed Muzammil. June, 2002. Oyster species of the sub tropical coast of Pakistan (northern Arabian Sea). *Indian Journal of Marine Sciences*. Vol. 31(2), pp. 108 – 118.

Simendtad, C. A., Cordell, J. R., Wissmar, R. C., Fresh, K. L., Schroder, M. and Berg, M. 1988. Assemblage structure, microhabitat distribution and food web linkages of epibenthic crustaceans in Padilla Bay, Washington. NOAA Tech. Rep. Ser. OCRM/MEMD, University of Washington, Fisheries Research Institute, FRIUW – 8813. Seattle.

Sooria, P. M., Jyothibabu, R., Anjusha, A., Vineetha, G., Vinita, J., Lallua, K. R., Paul, M., Jagadeesan, L. 2015. Plankton food web and its seasonal dynamics in a large monsoonal estuary (Cochin backwater, India), significance of mesohaline region. *Environ. Monit. Assess. NCBI*. doi: 10.1007/s10661- 015- 4656- 6.

Sridhar, K. P. and Bhagya, B. 2007. Coastal sand dune vegetation: a potential source of food fooder and pharmaceuticals. Live Stock Research for Rural Development. Volume – 19, Article – 84. Retrieved September 1, 2001 from <http://www.Irrd.org/Irrd/19/6/srid19084>.

Subba Rao. N.V., Dey. A. and Barua. S. 1992. Estuarine and Marine Molluscs Fauna of West Bengal. *State Fauna Series 3 Part 9*: 129 - 268. Zool. Surv. India.

- Subba Rao. N. V, Dey. A, and Barua. S, 1995. Molluscs in Hugli-Matla Estuarine Ecosystem Series, 2: 41 - 90. Zool. Surv. India.
- Smith, W. and McIntyre, A. D. 1954. A strong loaded bottom sample. *Journal of Marine Biological Association*. U. K., 33: 257 – 264.
- Stephenson, W. J., Brander, R. W. 2003. Coastal geomorphology into the twenty – first century. *Progress in Physical Geography*. 27(4): 607 – 623.
- Strickland, J. D. and Persons T. R. 1968. A Practical Handbook of Seawater Analysis. Ottawa: *Fisheries Research Board of Canada*, Bulletin 167: 293.
- Sundaravarman K., Varadharajan D., Babu A., Saravana Kumar A., Vijayalakshmi S., Balasubramanian T. 2012. A study of a Marine Benthic Fauna with Special Reference to the Environmental Parameters, South East Coast of India. *International Journal of Pharmaceutical and Biological Archives*. 3(5): 1157 - 1169.
- Subramanian,V., 1996. The sediment load of Indian rivers an update. Erosion and Sediment yield: Global and Regional Perspectives. Proceedings of the Exeter Symposium, July 1996. IAHS Publ. no. 236: 1 – 586.
- Tagliapietra, D. and Sigovini, M., 2010. Benthic fauna: collection and identification of macrobenthic invertebrates. *NEAR Curriculum in Natural Environmental Sciences*. 88: 253 – 261.
- Talman, S. G. and Keough, M. G. 2001. Impact to an toxic clam *Corbula gibbosa*, on the commercial scallop, *Pecten fumatus*, in Port Phillip Bay, South East Australia: evidence of resource restricted growth in a subtidal environment. *Marine Ecology Progress Series*. 221: 135 – 143.
- Talukdar and Ramakrishna. 1995. New Fishing Gear at Digha (West Bengal), Threats Biodiversity. J. Andaman Sc. Ass. 12(1 & 2): 94 – 95.

- Tenjing Sing Yambem, Krishnamoorthy Machina and Trippeswamy Seetharamaiah. 2012. Seasonal Changes in the Biochemical Composition of Wedge Clam, *Donax scortum* from the Padukere Beach, Karnataka. *Recent Research in Science and Technology*, 4 (12): 12 - 17.
- Thorson, G. 1957. Bottom communities (Sublitoral or Shallow shelf) In: Treatise on marine ecology and Pale ecology. Vol.1. ecology Ed. By 1. Hedgpeth: 461 – 534.
- Van Dalfsen, J. A., Essink, K., Toxvig Madsen, H., Birklund, J., Romero, J. and Manzanera, M. 2000. Differential responses of macrozoobenthos to marine sand extraction in the North Sea and the Western Mediterranean, ICES. J. Mar. sci. 57: 1439 – 1445.
- Venkataraman, K. 2008. Coastal and marine wetlands in India. Proceeding of Taal 2007: The 12<sup>th</sup> World Lake Conference: 392 - 400.
- Vijayan Kumar, R., Ansari, Z. A' and Parulekar, A. H. 1991. Benthic fauna of Kakinada Bay and back water, East coast of India. *Indian Journal of Marine Science*. 20: 195 – 199.
- Volvoikar, S. P., Nayak, G. N. 2014. Factors controlling the distribution of metals in intertidal mudflat sediment of Vaitarana estuary, North Maharashtra coast, India. Springer. doi: 10.1007/S 12517 - 013 – 1162 – 4.
- Vopel, K., Thistle, D. and Rosenberg, R. 2003. Effect of the brittle star *Amphiura filiformis* (Amphiuridae, Echinodermata) on oxygen flux into the sediment. Limnology and Oceanography. 48: 2034 – 2045.
- Wafar, M., Venkataraman K., Ingole B., Ajmal Khan, S., Lokabharati P. 2011. State of Knowledge of Coastal and Marine Biodiversity of Indian Ocean Countries. *PLoS ONE* 6(1):14613. doi: 10.1371/journal. pone. 0014613.

- Walting, L. 1975. Analysis of structural variations in a shallow estuarine deposit – feeding community. *Journal of Experimental Marine Biology and Ecology*. 19: 275 – 313.
- Widdows, J. and Brinsley, M. D. 2002. Impact of biotic and abiotic processes on sediment dynamics and the consequences to the structure and functioning of the intertidal zone. *Journal of Sea Research*. 48: 143 – 156.
- Winckworth, R., 1940. New species of shells from Madras. *Proc. malac. Soc. London*, 24: 19 - 29.
- Yennawar Prasanna and Tudu Prasad. 2014. Study of Macrofauna (Invertibrate) Fauna Around Digha Coast. Marine Aquarium and Research Centre, ZSI, Digha – 721428, WB. Rec. Zool. Sur : 114 (Part - 2) : 341 - 351.
- Yousuf, T., Ibrahim, M., Ahmed, J. and Vyas, V. 2012. Ichthyofauna diversity of Halali reservoir, Vidisha, Madhya Pradesh. International Journal of Scientific and Research Publication. 2(12): 1 – 7.
- Ysebaert., T., Herman, P. M. J., Meirec, P., Craeymeersch, J., Verbeek, H. and Heip, C. R. 2003. Large scale spatial patterns in estuaries: estuarine macrofauna communities in the Schelde estuary, NW Europe. *Estuarine, Coastal and Shelf Science*. 57: 335 – 355.