

PHYSIO-CHEMICAL STUDY OF VETTAR ESTUARY IN NAGAPATTINAM OR TAMILNADU, INDIA

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Abstract

The present study was designed to investigate the changes of physico-chemical parameters in Vettar estuary, Nagapattinam District. The river receives the effluents from the port, soap factories and steel industrial complex. It also receives the municipal wastes and domestic sewage from near town's area. Usually in the near shore waters and estuaries, they exhibit considerable seasonal variations depending on the local conditions of rainfall, tidal incursions, various abiotic and biotic processes, quantum of fresh water inflow affecting the nutrient cycle of coastal environment. Hence, the suitable remedial measures should be taken to prevent the mixing of domestic sewage and discharge of effluent into the river to maintain the quality of Vettar estuary.