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Characteristics of nutrients in the estuaries of Kanyakumari district-A comparative study

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Abstract : The seasonal variations of physico-chemical parameters were studied in four estuaries of Kanyakumari district. The purpose was to assess the quality of water from the sources in three different seasons. Water samples were analyzed for physico-chemical parameters including PH, Electrical conductivity, turbidity, TDS, alkalinity, total hardness, DO, BOD, Nutrient elements (NO_2^- , NO_3^- , PO_4^{2-}), Major elements (Na, K, Cl), Carbonate elements (Ca, Mg), Mobile elements (Fe , Mn , SO_4^{2-}). The concentration of most of the investigated parameters in the water samples from the Manakudy estuaries were exceeded the permissible limit of WHO and CPHEEO water quality guidelines.

Keywords : seasonal variations, Mobile elements, Nutrient elements, WHO , CPHEEO.

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