AN ASSESSMENT OF THE PHYSICO-CHEMICAL PARAMETERS OF PUTHALAM SALTPAN WATER OF KANYAKUMARI DISTRICT, TAMIL NADU, INDIA

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Abstract: An attempt has been made to determine the water quality in Puthalam saltpan during 2010. Water samples were collected and the physico-chemical parameters were analyzed. Throughout the observation period the pH was alkaline. The temperature ranges from 21°C to 28.8°C. High salinity was observed and it attributed to the low amount of rainfall in that season and low salinity was observed in winter. TDS and calcium content was higher in summer and low in autumn. High concentration of sodium and potassium observed in spring. Sulphate attains high value in summer and it was low in spring. Chloride expressed minimum value in winter but maximum in autumn. This study provides baseline information of the physico-chemical parameters for further assessment and monitoring of this type of ecosystems.

Keywords: Physico-chemical parameters, Puthalam, Saltpan.

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