

Physical and chemical characteristics of Paraliyar river in Kanyakumari district, Tamil Nadu, India

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ABSTRACT:

The physico-chemical parameters of the Paraliyar River in Kanyakumari District, Tamilnadu were studied for a period of six months from July to December 2010. The pH of the water varied from 5.62 and 8.67. The dissolved Oxygen content of the river water ranges between 3.57 and 7.20. The nutrients such as Nitrate, Nitrite, Phosphate, Calcium and Magnesium are also showed temporal variations. The Alkalinity and acidity of the river water showed the maximum value of 152 mg/l, 132 mg/l and 292 mg/l, 198 mg/l respectively. In general, all the physical and chemical parameters of the river water showed strong temporal variations in relation to sampling months.

Keywords:

water quality, hydrology, river ecosystem; western Ghats, water pollution.