

Study Indicating the Exigency for the Rejuvenation of the Kanamriver in Kannur District, Kerala, India

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Abstract: *The Kanam river of the Kannur district originating from Ayyappanmala at Mundry Panchayath, and flows through various areas such as Elayavoor, ThazheChovva, and Kannur corporation limits. The river was filled with soil from the nearby farms and coastal communities become totally spoiled by the wastes. Research works pertaining to this study site is very scanty. In this context, the physico-chemical analysis of the Kanam River, Kannur, Kerala was determined. The objective of the study was to investigate the seasonal variations of physico-chemical parameters such as temperature, pH, transparency, hardness, primary productivity, ammonia, carbon dioxide, dissolved oxygen, biological oxygen demand and chemical oxygen demand. The study indicates that there is a pronounced variation of most of the water quality parameters with variations in season. There are numerous causes including increasing number of industries and various other anthropogenic activities in the neighbouring regions, global climatic change that led to the degradation of the quality of water. The findings of the present study also provide a better understanding of this damaged ecosystem and remind the need for its restoration and it also suggest the need for the starting up of a Rejuvenation strategy.*

Keywords: Rejuvenation, physico-chemical parameters, Dissolved Oxygen, BOD, COD

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