ANEXPLORATORY WATER QUALITY ANALYSIS OF RIVER PERIYAR

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ABSTRACT

Periyar River is the main drinking water resource of Cochin Corporation, Aluva and Paravur towns. River Periyar of Eloor-Edayar industrial stretch has been a subject of pollution for many years. The present investigation deals with the analysis of water quality of Periyarrivercollected from S1 to S5 sampling stations on 17th January 2018.The water quality parameters such as pH, alkalinity, hardness, chlorine, COD, E-coli, metals, reactive silica, ammoniacal and nitrate nitrogen were analyzed and the results were compared with Environmental protection rules 1986 which helped to evaluate the quality of water and sources of pollution in different places. pH of river water taken from S2, S3 and S5 were slightly acidic (BIS 1991), salinity of S4 and S5 and COD of S4 and S5 were higher than the specifications. All other parameters were within the specification limit.

***Keywords*: Water quality parameters**