



ChemTech

International Journal of ChemTech Research

CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.11 No.02, pp 394-398, 2018

Studies on the seasonal variation of water quality parameters of Manakudy estuarine region, South West coast of India

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Abstract : The present study includes the analysis of Manakudy estuary with adjoining rivers for a period of one year from October 2016 – September 2017. Water samples in the present study were analyzed for physico chemical parameters like pH, EC, Turbidity, TDS, Phosphate, Nitrate, Chloride, Ammonia, DO and Fluoride by Standards methods. Mean values of seasonal variation shows that pH was high in post monsoon and low in monsoon, EC and Fluoride were high in pre monsoon and low in post monsoon, TDS and Chloride were high in pre monsoon and low in monsoon. Turbidity, phosphate, Nitrate, Ammonia and DO were high in monsoon and low in post monsoon. Parameters of water samples in all the five stations results considerable seasonal changes.

Keywords : water, estuarine region, physico chemical parameters, seasonal variation.

V.Lola Catherine *et al* /International Journal of ChemTech Research, 2018,11(02): 394-398.

DOI= <http://dx.doi.org/10.20902/IJCTR.2018.110247>
