

ASSESSMENT OF GANGA RIVER WATER AT DIFFERENT LOCATIONS AND ITS SUITABILITY FOR DRINKING PURPOSES

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Abstract: An attempt has been made in this study to evaluate the surface water quality of Ganga river at different locations. They were analyzed for a total of 14 physio-chemical parameters. In addition to these elements, 05 heavy metals, namely, Cd, Pb, Zn, Cu and Cr. The results showed that all samples were observed colourless, odourless and neutral to pH. Another physico-chemical parameters showed below the permissible limit as prescribed by WHO and BIS standards. The concentration of heavy metals observed in majority of samples within permissible as per described by WHO and BIS guideline. The water is acceptable due to below the concentration of heavy metals. It is suggested that regular monitoring is required to determine the pollution load with improve the water quality, which is being used for drinking purpose.

Keywords: Ganga, River, Water, Metals

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