



Hydro Chemical Characterization and Study of Underground Contamination of Different Water Sources of Warf Road East Godavari Area-AP, India

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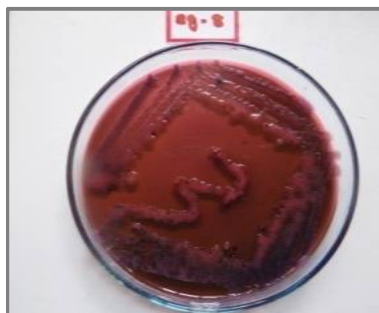
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ABSTRACT

The present study of physicochemical characteristics and heavy metal levels in water samples obtained from different sample locations. People on globe are under tremendous threat due to undesired changes in the physical, chemical and biological characteristics of air, water and soil. Due to increased human population, industrialization, use of fertilizers and man-made activity water is highly polluted with different harmful contaminants. Natural water contaminates due to weathering of rocks and leaching of soils, mining processing etc. The availability of suitable quality water is an indispensable feature for preventing diseases and improving quality of life. It is necessary to know details about different physico-chemical parameters such. The evaluation was done by the hydro chemical metals characterization by measure of contamination levels with the ground waters. The purposes of this study are, specifying spatial distribution of groundwater quality parameters such as Temperature, pH, Electrical conductivity, TDS, TA, pH, Hardness, chloride, nitrate and sulphate. The research results reveals that their common origin, especially from industrial effluents and municipal wastes that are responsible for the enhancement of chemical components moving together in groundwater higher values of physicochemical parameters reveal the anthropogenic sources of these variables. The high concentration of parameters in groundwater water may cause serious threat to public health as well as the aquatic environment.

Graphical Abstract



Enterobacter, Klebsilla

Keywords: Suitability, Tremendous Chemical, Toxicity, Characterization, Environment.