



## Research Methods of Waste Water Treatment

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**Abstract:** The purpose of this paper is the research and treatment of wastewater and utilization after treatment. Polluted waters present a current problem for society, especially recent development of industry, technology, modern agriculture, heavy traffic, demographic explosion and the increase of food requirements and rising of living standards. All these factors affect the vital environment. In fact, these waters are used for the purpose of eliminating pollution and removal of their waste. Initially the water is clean then becomes the receiver of pollutants and their transporter and collector and finally serves as a source of pollution. Therefore, urgent and immediate need comes across that these waters to be processed, treated and released from pollutants. Manufactures are used in the world for their treatment, which possess adequate facilities with modern technology of their treatment. Physical, chemical and microbiological treatment is used to treat these waters. Heterotrophic bacteria are typical indicators of pollution. 74.8% of them were present. Total coli form present 20.5%, less present were 1.9% of all researched micro-flora. With the exception of salmonella, sigils, and yeasts which have increased, most of the other parameters have declined markedly.

**Keywords:** *Wastewater, micro-flora, heterotrophy, Salmonella, Sigel, coli form.*

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