

Physico-Chemical & Toxicological Studies of Industrial Effluents.

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The discharge of the industrial effluents that contaminate of ground water, drain, aquatic plant and animals. The industrial development in Delhi and adjoining areas is a haphazard manner. The surface water resources such as rivers and drains are the main source drinking water. Approximately 65% of ground water in Delhi required purification and 33% need constant monitoring and analyses. The physico chemical, toxicological and bacteriological parameters were analyzed in different samples of ground water, drain, river and plant.

The analysis of industrial effluent, ground & river water, drain, pesticides and plant weeds. The analyses were performed on the basis of titrametric, gravimetric, electroselective, spectrophotometric and chromatographic etc.

The determination of *pH* by *pH* meter and conductivity by conductivitymeter.

The determinations of hardness as Ca & Mg, alkalinity, were titametric methods.

The determination of turbidity and sulphate with the help of Nephelometer.

The determination DO with DO meter model 850 Orion USA.

The BOD and COD are determining with the help of titration methods.

The fluoride is determined with the help of instrument autochemistry ion selective electroselective, model Orion 960 USA.

The analysis of trace element with the help of atomic absorption spectrometer (model A