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A Correlation Analysis on the Ground water at selected areas of Thoothukudi District, TamilNadu, India

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Abstract : The only vital source for sustenance and survival of every living organism is the groundwater. The present study is aimed at a correlation analysis of Groundwater at seven locations of Thoothukudi district, Tamil Nadu. A correlation study has been carried out amongst all possible pairs of seven physico-chemical parameters to assess the groundwater quality. The correlation analysis provides an excellent tool for the prediction of parameter values within reasonable degree of accuracy. The existence of strong correlation between Total Hardness and Total Alkalinity with sodium and calcium is ascertained.

Keywords : TDS, Chlorides, Total hardness, Physiochemical parameters, correlation coefficient etc.

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