



## Mathematical Modelling on Nutrients Quality in the Ground Water through Comparison of Abohar and Sri Ganganagar Places

Dr. Swatmaram, Associate Professor, Chaitanya Bharathi Institute of Technology, Hyderabad.

### ABSTRACT

It is glowing notorious that agriculture is main occupation of citizens of Sri Ganganagar and Abohar cities and their closely villages. As insufficient water supply through rivers and canals is conjoint snag in these areas of Punjab and Rajasthan, So that farmers are customarily dependent on ground-water and cope with lack of water, they are using to dig tube glowings in farms for the growth of crops should not be affected. The main factor behind this is nutrient present in ground water, because these get dissolved in the soil, then through crops nutrients and minerals enter into the human body by Vegetables and Grains. It is fact that healthy crops give rise to healthy human-being.

In this research, we will collect such data from various farms and after Collection of data from different location, will be analyzed in order to compare the amount of nutrients and chemical present in the ground water. Here we are presenting the merits & demerits of irrigation using ground water through the Mathematical Modelling and comparative study.

Main objective of study to compare nutrients (which makes human healthy or unhealthy) and chemicals (which are harmful for health), their level of presence and their impact on human-being. The whole study is focused to prepare a model, to know the variation of nutrients of ground water from one place to another place. We recognize the scenario of ground water flow and level of nutrients after comparison.

**Keywords: Modeling, Water, Soil, Nutrients, Mathematical.**