

# Physicochemical Analysis of Groundwater Quality of Tosham Town

Pardeep<sup>1</sup> and Dr. Rajendra Arjun Mhaske<sup>2</sup>

Research Scholar, Department of Chemistry<sup>1</sup>

Research Guide, Department of Chemistry<sup>2</sup>

Shri Jagdishprasad Jhabarmal Tibrewala University, Jhunjhunu, Rajasthan, India

pardeepkanwal313@gmail.com and ramhaske@rediffmail.com

**Abstract:** *A systematic study has been carried out to assess the groundwater quality of Tosham town of Bhiwani district of Haryana state, India. 400 groundwater samples from ten selected stations were collected in the different seasons and assessed for 11 physicochemical parameters i.e. pH, electrical conductivity, total alkalinity, total hardness, total dissolved solids, calcium, magnesium, fluoride, chloride, nitrate and sulphate respectively. The analytical data of various physicochemical parameters of some groundwater samples of the study areas indicates that parameters such as pH, total alkalinity, total hardness, total dissolved solids, calcium, magnesium, fluoride, chloride, nitrate and sulphate are found to be in excess than the desirable limits recommended by ICMR. The groundwater quality parameters values indicates that groundwater samples of some sampling stations are quite unfit for drinking purpose because of high value of total hardness, total dissolved solids, calcium, magnesium, fluoride and chloride so that suitable suggestions were made to improve the groundwater quality.*

**Keywords:** Physicochemical parameters, groundwater quality