

ABSTRACT

Water is a source of life and it is life itself. The availability of water is necessary to sustain life. Pakistan is called a water stressed country. And it is feared that Pakistan may be experiencing acute shortage of water in 2025. This has been an alarming situation. Quality of water is mostly contaminated. Due to this quality of water people are facing health related issues. Water borne diseases are on the rise. People fell prey to diarrhea, hepatitis and many other diseases. The purpose of the research is to ascertain quality of portable water in Jhang city. For the purpose of study the researcher collected 18 samples of portable water. A total number of 10 parameters were studied in bacteriological and chemical analysis. The parameters were tested at Central Research Laboratory Lahore. The results gave the idea about the quality of water. The result depict water is contaminated and it is unfit for human consumption. Because many parameters like T.D.S were exceeding in some areas and lacking in other areas from the standards set by the World Health Organization. The bacterial analysis shows that 70% of water samples were contaminated especially in office municipal committee, Mohalla Farooq Abad, Ahrar Park etc. the bacterial contamination was unlimited in these areas. Now this can be dangerous for human consumption. Water quality can be controlled if conductivity is controlled.