

**DRINKING WATER QUALITY ANALYSIS OF TEHSIL
TALAGANG, PUNJAB, PAKISTAN**



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A thesis submitted to Bahria University, Islamabad in partial
fulfilment of the requirement for the degree of B.S in
Environmental Sciences.

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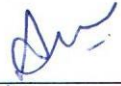


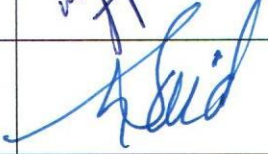
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ABSTRACT

In this research study drinking water quality of Tehsil Talagang District Chakwal was analyzed. The main source of drinking water in that area are bore holes and tube wells. The tube wells in that area are installed by Tehsil Municipal Authority under Punjab government. The main goal of this research was to assess the quality of drinking water in the selected areas of Talagang. For the estimation of drinking water quality 27 samples of water were collected from 27 different locations within city from bore holes and also from the locations where tube well water supplies. The study aimed to analyze physicochemical and microbiological analysis along with heavy metals detection (arsenic). The overall result of the study showed that the amount of all the physicochemical parameters were within the permissible limits while concentration of biological parameters such as *Salmonella-Shigella* and *total Coliform* and *E. coli* of few locations were exceeding the set limits of WHO.

However, the concerned authorities should start focusing on the water quality in Talagang especially on the water quality that is supplied from Tube wells to different locations. Concerned Authorities should have to take strong measures in order to overcome the contaminated situation of drinking water supplies in different locations.

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