RESEARCH ARTICLE

ANALYSIS OF MICROBIAL CONTAMINATION OF DRINKING WATER AT MEERUT DISTRICT, NORTHEN INDIA

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Abstract: Water is one of the most important natural resource on earth. The safety of drinking water is important for the human health. The safety of drinking water is affected by various contaminants specially bacteria. Coliform can cause serious health problems. The analyses of drinking water quality at Meerut District, Uttar Pradesh, India, were done. The experimental procedures were set according to the international drinking water standards set by World Health Organization. Bacteriological examination of water samples collected from different sources showed that the water of bore wells were not potable and found across the maximum permissible limit of contamination for drinking water guidelines, while in 2016, only two water samples were found to be safe for drinking purpose.

Keyword: Drinking water, Coliforms, Health probems, World Health Organization, Contamination

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