

QUALITY OF WATER IN THE FOUNTAINS FOR HUMAN CONSUMPTION OF VARIOUS DEPARTMENTS AT FCAV, UNESP, JABOTICABAL

(QUALIDADE DA ÁGUA DE BEBEDOUROS DE CONSUMO HUMANO DE DIFERENTES LOCAIS DA FCAV UNESP JABOTICABAL)

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The water quality has been compromised since the source by the discharge of effluents and waste, which requires investment in treatment plants and changes in the treatment to ensure the quality of water that leaves the treatment station. This study evaluates the microbiological quality of drinking water from 11 water fountains at different locations in the Faculdade de Ciências Agrárias e Veterinárias, UNESP, Jaboticabal, which are: Library, Department of Technology, Microwave, Department of veterinary Parasitology, UAD, Department of Preventive Veterinary Medicine, Department of Rural Engineering, Department of Anatomy and Physiology, Veterinary Hospital, Unamos and the University Restaurant. Water samples were collected directly from the fountains using sterile vials and spatulas. The determination of the most probable number (MPN) of total coliforms and *Escherichia coli* was performed by the chromogenic-fluorogenic hydrolysable-substrate (Colitag) (APHA, 998). A sample from each site was collected from fountains that do not filter water. Water samples from all drinkers had neither total coliforms nor *E. coli* in 100 mL. The CONAMA Resolution 357/05 (Ordinance 2914/2011 MS legislation on drinking water) states that drinking water for human consumption should be free of *E. coli* per 100 mL; therefore, all samples met the criterion. Thus, we can conclude that the water of the fountains in the University meets the standards required by law and that water quality is efficiently maintained by the University as well.

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