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**Iddrisu Bukari**

Public Health Specialist, Ghana

## Microbial Contamination of Drinking sachet Water and Environmental Hygiene Practices of Sachet Water Producers in the Volta Region of Ghana

Providing safe drinking water to the majority of the world's population, especially those in developing countries, is a major problem. Approximately a billion people lack access to safe drinking water. Water and food contaminated with bacteria, viruses, and protozoa cause infectious diarrhoea. Majority of the population of developing countries including Ghana have sorted to sachet water as a drinking, however, no laboratory study has been carried out to establish the potability and possible microbial contamination of the sachet water. The study was an experimental and purposive study conducted to establish the extent of microbial contamination in drinking sachet water and the environmental hygiene practices of the sachet water producers in the Volta Region of Ghana, to establish the contamination in drinking sachet water with microbes such as *E. coli*, faecal coliforms, enterococcus spp., pseudomonas spp., and heterotrophic bacteria using the Idexx defined substrate technology method.

### Biography

Mr. Iddrisu Bukari is a current practicing Public Health Nutritionist and Health Tutor with the Ghana Health Service and the Ministry of Health. He holds Master of Public Health Degree, BSc. (Hons.) Public Health and Diploma in Community Nutrition and Health. He worked in Gambaga and Mankranso Districts Health Directorates in 2012 and 2016 respectively as District Nutrition Officer. In November, 2016 he was appointed a Nutrition and Public health Tutor by the Ministry of Health and posted to Keta Nursing and Midwifery Training College, where he taught for semesters and was transferred to Hohoe Midwifery Training College till date. His area of research interest is Nutrition, Maternal and Child Health and Water Quality. He is a member of African Nutrition Society, Ghana Nutrition Association. He has worked with Public and Private Sector including international NGOs such as World Food Programme, Care Int., Solidaridad, CRS etc.

bukari@ualberta.ca

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