

CAPACITY BUILDING FOR WATER QUALITY ANALYSIS AND THE DETECTION OF DISINFECTION BYPRODUCTS IN WATER

Dates: 31st October – 4th November 2022

Venue: Environmental Lab & RWESCK, KNUST

Background

Chemical disinfectants like chlorine are added to inactivate microorganisms and avoid their regrowth in distribution networks during drinking water treatment. However, the disinfectants may interact with dissolved organic matter to produce undesired disinfection byproducts (DBPs), many of which are genotoxic and carcinogenic. The main route of exposure to DBPs is ingestion of water, inhalation of air, and dermal contact during bathing and swimming in DBPs contaminated waters. More than 700 DBPs have been detected, and many more are unknown. Unfortunately, there is a dearth in the capacity of local researchers and relevant stakeholders to analyze and monitor these carcinogenic and genotoxic DBPs.

This 5-day hands-on training is supported by the France Embassy in Ghana (FSPI NYANSAPO 2022), aimed at enhancing the capacity of Ghanaian scientists to monitor these compounds. The training will cover the practical aspects of sampling, GC-MS method development, quantitative analysis, and spectral interpretation of results.

Eligibility

The training is open to postgraduate students, researchers, and technicians in the water sector. Places are limited to 30 attendees. Your accommodation, travels (from hotel to training center), and food will be covered.

Application

All interested applicants should forward their application to junias.aduseigyamfi@knust.edu.gh cc: justine.criquet@univ-lille.fr and ganornu.soe@knust.edu.gh no later than **21st September 2022**. The application documents should be saved in a single file as your 'first name_surname' and must include the following:

- A current CV (maximum length of 2 pages)
- Very brief answers to the following questions (250 words max. each)
 - What is your motivation for this training?
 - How is the training relevant to your career growth?

Partners

