

PROFILE OF SAMUEL ASARE-NKANSAH

Samuel Asare-Nkansah is an Associate Professor of Pharmaceutical Chemistry at the Kwame Nkrumah University of Science and Technology, Kumasi, Ghana. He obtained both his Bachelor of Pharmacy and Master of Science in Pharmaceutical Analysis and Quality Control degrees from the Kwame Nkrumah University of Science and Technology, Kumasi, and studied for a doctoral degree in Pharmaceutical and Medicinal Chemistry at the University of Münster, Münster, Germany. He also has a certificate in Drug Supplies Management by distance learning from the Robert Gordon University, Aberdeen, UK. He is an alumnus of the German Academic Exchange Services (DAAD) and University of Michigan African Presidential Scholars Program (UMAP). He is a Pharmacist by profession, and has been a member of the Pharmaceutical Society of Ghana (PSGH) since 2001.

His research focuses on drug discovery, pharmaceutical analyses, standardization, impurity profiling and valorization of medicinal plant resources, and quality control of allopathic and herbal medicines. He also collaborates on research projects involving infectious diseases and antimicrobial resistance. He uses modern instrumental techniques including the High Performance Liquid Chromatography, mass spectrometry and other forms of spectroscopy to design cost effective validated analytical methods for the determination of sub-standard, falsified and adulterated medicines, especially, drugs used for the treatment/management of infectious diseases, hypertension and diabetes. He also applies similar techniques to profile levels of heavy metals, aflatoxins and residual contaminants (solvents and pesticides) in herbal medicines. In addition, his research work involves synthesis of small molecules, and isolation and characterization of bioactive natural product scaffolds as lead compounds for further optimization through structure-activity-relationship studies as antimicrobial and anti-inflammatory agents.

Prof. Asare-Nkansah has held various positions in the University including being Vice-Dean of the Faculty of Pharmacy and Pharmaceutical Sciences (Since 2020), and Head of the Department of Pharmaceutical Chemistry (2017-2019, and since August 2020). He was the Faculty Examinations Officer for the Faculty of Pharmacy and Pharmaceutical (2005-2012) and currently the College Examinations Officer of the College of Health Sciences. He has served as Chairman and Member of a number of adhoc and statutory committees. He also serves as External Examiner, Moderator, and Adjunct Associate Professor in Pharmaceutical Chemistry for some Universities in Ghana and Nigeria. He is also serves as Editor and Reviewer for some reputable journals and grant applications.