

Biosketch: Prof Samuel Kariuki

Prof. Samuel Kariuki (DVM, MSc, PhD) obtained his PhD in Tropical Medicine from the Liverpool School of Tropical Medicine in 1997, and was the Director, Research and Development at the Kenya Medical Research Institute (KEMRI) (2018-2021) and is currently Acting Director General, KEMRI. He is Fellow, African Academy of Sciences and a Honorary Faculty Wellcome Sanger Institute (<https://www.sanger.ac.uk/people/honorary-faculty/>)

He is a visiting Professor of Tropical Microbiology, Nuffield Department of Medicine, University of Oxford, UK and a member of the American Society for Microbiology.

Over the last 20 years he has researched and published on Antimicrobial resistance (AMR) and the epidemiology and molecular characterization of key foodborne enteric pathogens endemic in Kenya and the region. **He has published 154 papers in peer-reviewed journals and 4 chapters in textbooks of Microbiology**, majoring in Infectious diseases and AMR. For his work on the anthroponotic transmission of *Salmonella* Typhimurium invasive bloodstream infections in children less than 5 years of age and resulting in extremely high mortality rates in Kenya and the region (Kariuki *et al.* *J Med Microbiol.* 2006; 55(Pt 5):585-91), he won the prestigious **Pfizer Prize** (The Royal Society) for African Scientist of the Year Award, 2012.

His research data has contributed extensively to policy change in treatment and management of foodborne infections and in understanding epidemiology of antimicrobial resistance in Kenya and the Region. Some of the outputs include seminal papers and reviews published by the World Health Organization and Food and Agriculture Organization website on Food Safety along the meat value chains in Kenya

(http://www.fao.org/fileadmin/user_upload/agns/news_events/AMR_in_Kenya.pdf).

As a national coordinator for the Global Antibiotic Resistance Partnership (GARP) he was principal author of [*Situation Analysis: Antibiotic Use and Resistance in Kenya*](#).

As an expert in Antimicrobial surveillance and monitoring, he was selected as a member of the National Antimicrobial Stewardship Interagency Committee (NASIC) advising Ministry of Health on One Health approach in implementation of the National Action Plan to combat AMR. As a World Health Organization consultant for the last 15 years he has provided technical advice and opinion in areas of food safety, antimicrobial resistance and infectious disease surveillance for Kenya and the region, and this has been through participating in various committees including the Global Foodborne Infections Networks (GFN), Food Safety (FOS) and the Advisory Group for Integrated Surveillance of Antimicrobial Resistance (AGISAR)

(http://www.who.int/foodborne_disease/resistance/agisar_members/en/).

In December, 2020, he was selected as a member of the WHO Strategic and Technical Advisory Group for Antimicrobial Resistance (STAG-AMR) representing the African region.