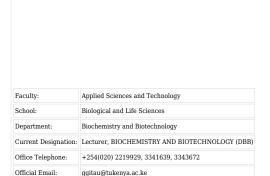


THE TECHNICAL UNIVERSITY OF KENYA

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Consultation Hours: 8AM-5PM MON - FRI



LEVEI. **QUALIFICATION NAME** INSTITUTION **YEAR** Doctor of Philosophy (PhD) BIOCHEMISTRY UNIVERSITY OF ZULULAND(South Africa) 2014 NOTTINGHAM TRENT Masters of Science (M.Sc.) PHARMACOLOGY 2009 UNIVERSITY(United Kingdom) Bachelor of Science (BSc) **BIOCHEMISTRY** UNIVERSITY OF NAIROBI(Kenya) 2007 ST. JOSEPH'S GIRLS HIGH KENYA CERTIFICATE OF O level/Equivalent 2003 SECONDARY EDUCATION SCHOOL(Kenya) KENYA CERTIFICATE OF PRIMARY KCPE/Equivalent ROBINSON ACADEMY(Kenya) 1999 **EDUCATION**

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
November 2023 - To present	Kenya Institute of Primate Research (KIPRE)	Research Associate Scientist
November 2014 - To date	Technical University of Kenya	Lecturer
February 2012 - June 2012	University of Zululand (South Africa)	Assistant Lecturer

GENERAL STATEMENT ON RESEARCH AREAS

Lecturer and researcher on phages & derived molecules as potential antibacterials and detection/diagnostic tools for biocontrol of antimicrobial and multidrug resistance bacteria (AMR and MDR) with experience in research project supervision, grants proposal writing, analysis and interpretation of data and publishing. Experience in Community health outreach to create awareness of approved phage applications in one health approach to curb transmission of AMR.

SELECTED PUBLICATIONS		
TITLE	LINK TO PUBLICATION	YEA
Characterisation of the <i>Plasmodium falciparum</i> Hsp70-Hsp90 organising protein (PfHop)	View online	
Role of heat shock proteins in the development and pathogenicity of <i>Plasmodium</i> falciparum.	View online	
Plasmodium falciparum Hop (PfHop) interacts with the Hsp70 chaperone in a nucleotide-dependent fashion and exhibits ligand selectivity	View online	
Molecular characterization of group A rotaviruses in Mukuru slums Kenya: detection of novel strains circulating in children below 5 years of age	View online	
Coenzyme Q10 Ameliorates potassium cyanide-induced toxicosis in a mouse model	View online	
In silico exploration of Lycoris alkaloids as potential inhibitors of SARS-CoV-2 main protease (Mpro)	View online	
Alcohol spiked with zolpidem and midazolam potentiates inflammation, oxidative stress and organ damage in a mouse model.	View online	2023

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NAME	PROJECT TITLE	PERIOD
Biwott Kipchumba	PUTATIVE IMPACT OF ALCOHOL INTOXICATION WITH ZOLPIDEM AND MIDAZOLAM INDUCED INFLAMMATION AND OXIDATIVE STRESS IN MURINE MODEL	2016-2018
Francis Gitonga	AMELIORATIVE EFFECT OF Co-Q10 ON POTASSIUM CYANIDE INDUCED TOXICOSIS IN MURINE MODEL	2016-2018

PROFESSIONAL AFFILIATIONS AND SOCIETIES

POSTGRADUATE STUDENTS SUPERVISION

TITLE	INSTITUTION
Member	Biochemistry and Biotechnology Professionals Society of Kenya
Member	European Society of Clinical Microbiology and Infectious Diseases (ESCMID)