



THE TECHNICAL UNIVERSITY OF KENYA

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School:	HEALTH AND BIOMEDICAL SCIENCES
Department:	Biomedical Sciences and Technology
Current Designation:	Lecturer, BIOMEDICAL SCIENCES AND TECHNOLOGY (DBST)
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Consultation Hours:	8AM-5PM MON - FRI

EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	Biomedical Sciences (Immunology)	Technical University of Kenya(Kenya)	2022
Masters of Science (M.Sc.)	IMMUNOLOGY	Jomo Kenyatta University of Agriculture(Kenya)	2014
Bachelor of Science (BSc)	Medical Laboratory Science	Jomo Kenyatta University of Agriculture(Kenya)	2004
Short Course/ Training	HIV / AIDS TRAINER	COMMUNITY COUNSELING AND TRAINING CENTERS(Kenya)	2007

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2014 - TO DATE	Technical University of Kenya	Tutorial Fellow
2013 - 2014	Technical University of Kenya	Sessional Lecturer
2011 - 2013	ILRI and IPR	Research Fellow (Graduate Fellow)
2006 - 2012	JKUAT and affiliate Colleges, KEMU, MMU,	Part-Time Lecturer

GENERAL STATEMENT ON RESEARCH AREAS

Studying the factors influencing infectious disease dynamics especially against a background of a high prevalence of communicable and non-communicable diseases. To further inform and increase understanding with regards to the design of key interventions, diagnostic trends and treatment protocols against infectious diseases. In the advent of emerging infectious diseases as well as resistance, it is important to carry out a targeted evaluation of these infectious diseases.

CURRENT RESEARCH PROJECTS

Cytokine profile Immuno-epidemiology

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
The Efficacy of a Herbal Drug, Schitozim over Praziquantel in the Management of Schistosoma mansoni Infection in BALB/c mice	View online	
Immunological responses to pneumococcal conjugate vaccine and intestinal nematode infestation in children	View online	
Allan, L., Mbai, F. N., Yole, D. S., & Owino, M. (2020). Intensity of Nematode Infection in Children Aged 3 to 5 Years Living in Mukuru Kwa Njenga Slum Settlement, Nairobi, Kenya. Journal of tropical medicine, 2020, 4124808. https://doi.org/10.1155/2020/4124808	View online	
Lynda A. Allan, Fiona N. Mbai, Dorcas S. Yole, Paediatric assessment of immune responses in 3 to 5 years olds having intestinal nematode infection and vaccinated with valent10-PCV, Scientific African, Volume 13, 2021, e00863, ISSN 2468-2276, https://doi.org/10.1016/j.sciaf.2021.e00863 . (https://www.sciencedirect.com/science/article/pii/S2468227621001678)	View online	
Lynda A. Allan, Fiona N. Mbai, Dorcas S. Yole, Paediatric assessment of immune responses in 3 to 5 years olds having intestinal nematode infection and vaccinated with valent10-PCV, Scientific African, Volume 13, 2021, e00863, ISSN 2468-2276, https://doi.org/10.1016/j.sciaf.2021.e00863 . (https://www.sciencedirect.com/science/article/pii/S2468227621001678)	View online	

POSTGRADUATE STUDENTS SUPERVISION

NAME PROJECT TITLE PERIOD

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COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
Immunology	Basic and Advanced	May 2013 - TO-DATE
Epidemiology	Disease surveillance, Measurement of Disease spread	JAN 2015 - TO-DATE
Immunological Techniques	Current techniques in Immunology, Biomedical research	SEPT 2013 - TO-DATE
Endocrinology	Endocrine system, Hormones, Diseases, Coordination of metabolism	JAN 2015 - TO-DATE
Health Management	Applications of knowledge, skills, tools, systems in Health management	JAN 2015 - TO-DATE
n/a	n/a	n/a - n/a
Health Education	Hygiene and sanitation, Lifestyle diseases, communicable diseases, alcohol and drug abuse	Jan 2016 - TO-DATE
Cancer Biology	Statistics, Cellular effects, Diagnosis, Staging, Treatment, Cancer research	JAN 2015 - TO-DATE

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE INSTITUTION

MLS	KMLTTB
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