



THE TECHNICAL UNIVERSITY OF KENYA

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School:	Biological and Life Sciences
Department:	Applied and Technical Biology
Current Designation:	Lecturer, APPLIED AND TECHNICAL BIOLOGY (DATB)
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Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	PARASITOLOGY	THE TECHNICAL UNIVERSITY OF KENYA(Kenya)	2018
Masters of Science (M.Sc.)	APPLIED PARASITOLOGY	UNIVERSITY OF NAIROBI(Kenya)	2010
Bachelor of Science (BSc)	BOTANY/ZOOLOGY	UNIVERSITY OF NAIROBI(Kenya)	2005
KCPE/Equivalent	KENYA CERTIFICATE OF PRIMARY EDUCATION	JACK & JILL PRIMARY(Kenya)	1994

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
OCTOBER 2014 - Now	THE TECHNICAL UNIVERSITY OF KENYA	LECTURER
September 2012 - Dec 2012	KENYA METHODIST UNIVERSITY	PART TIME LECTURER
2009 - 2014	DUDUTECH K LIMITED	QUALITY CONTROL MANAGER

GENERAL STATEMENT ON RESEARCH AREAS

To use knowledge and skills to impact my country by engaging in scientific research aimed at alleviating the burden of parasitic infections and improving the health status of the community.

CURRENT RESEARCH PROJECTS

INTEGRATED SCHISTOSOMIASIS CONTROL-CASE STUDY OF MWEA IRRIGATION SCHEME	PARASITOLOGY/IMMUNOLOGY
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SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Ochilo, W. N., Otipa, M., Oronje, M., Chege, F., Lingeera, E. K., Lusenaka, E., & Okonjo, E. O. (2018). Pest Management Practices Prescribed by Frontline Extension Workers in the Smallholder Agricultural Subsector of Kenya, <i>Journal of Integrated Pest Management</i> , 9(1): 15; 1-9.	View online	
Evaluation of the Beneficial Nematode <i>Phasmarhabditis hermaphrodita</i> in the control of <i>Biomphalaria pfeifferi</i> . <i>Afr J Health Sci</i> . 2015; 28(1):168-170	View online	
Okonjo Edward, Yole D., Ogoyi D (2017). Prevalence and intensity of <i>Schistosoma mansoni</i> before and after chemotherapy in school aged children, <i>Journal of Biology, Agriculture and Healthcare</i> , 7(22), 29-36.	View online	
Detection of induced proteins in the haemolymph of <i>Biomphalaria pfeifferi</i> infected with <i>Schistosoma mansoni</i> .	View online	
Edward Okonjo Dorcas Yole, and Dorington Ogoyi Cytokine Response Profiles of School-Aged Children Infected with Schistosomiasis before and after Praziquantel Treatment	View online	
<i>Schistosoma mansoni</i> Co-infection Decelerates Murine <i>Plasmodium berghei</i> ANKA Induced Inflammatory Response and Organ Damage	View online	
Okonjo Edward., Yole D., Ogoyi D (2017). Evaluation of the knowledge and activities of a local community in Mwea endemic with schistosomiasis, <i>Journal of Natural Science Research</i> , 7(22) 95-104.	View online	

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Andrew Kasiti Msc Parasitology	Outcome of chronic schistosomiasis in regulation of malaria disease severity and pathological events in a mouse model'	2020-2022
Edwin Wanga- Mtech Parasitology	Optimization of trypsin method of obtaining viable <i>Schistosoma mansoni</i> eggs in livers of Balb/c mice	2019-2022
Margaret Njeru- PhD Parasitology	Molluscidal and Antichistomal activity of Phytochemicals from <i>Bridelia micrantha</i> Stem bark and <i>Ocimum americanum</i> whole plant'	2020-2023

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
HELMINTHOLOGY	Helminth parasites, life cycle, pathogenesis, treatment and control	2014 - TO-DATE
PROTOZOOLOGY	protozoan parasites, life cycle, pathogenesis, treatment and control	2014 - TO-DATE
Principles of immunology	A look into the bod defense mechanisms, cellular and humoral responses and interactions, immunodeficiency, vaccine development etc	2012 - TO-DATE
Research Methods	Proposal development and techniques in carrying out research	2014 - TO-DATE
medical parasitology	parasites of medical importance and their vectors, life cycle pathogenesis and control	September 2012 - December 2012