



THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	Applied Sciences and Technology
School:	Biological and Life Sciences
Department:	Applied and Technical Biology
Current Designation:	Senior Lecturer, DEPARTMENT OF BIOLOGICAL AND LIFE SCIENCES
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Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	VECTOR ECOLOGY	WAGENINGEN UNIVERSITY AND RESEARCH CENTRE(The Netherlands)	2009
Masters of Science (M.Sc.)	BIOLOGY OF CONSERVATION	UNIVERSITY OF NAIROBI(Kenya)	2005
Bachelor of Science (BSc)	CHEMISTRY/ZOOLOGY	UNIVERSITY OF NAIROBI(Kenya)	2002

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
Nov 2019 - To date	Academic Department of Applied and Technical Biology	Academic Team Leader
Sept 2016 - Todate	Technical University of Kenya	Senior Lecturer
Sept 2011 - *Sept 2016	The Kenya Polytechnic University College	Lecturer
Jan 2014 - Oct 2019	Department of Applied and Technical Biology	Chairperson of Department
2005 - 2009	Kenya Medical research Institute(KEMRI)	Junior Scientist

GENERAL STATEMENT ON RESEARCH AREAS

Am Medical Entomologist with a diverse ecological background, with great interest in the ecology of disease causing vectors. My recent research has focused on mosquito ecology and malaria vector control. Trying to find non chemical alternatives for mosquito vector control that are easily accessible by the affected rural communities. Other areas of interest include: Insect Ecology, Public Health, Resource Conservation and Population studies.

CURRENT RESEARCH PROJECTS

<https://twas.org/article/controlling-mosquitoes-granting-health> Medical entomology

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
An exploratory survey of malaria prevalence and people's knowledge, attitudes and practices of mosquito larval source management for malaria control in western Kenya	View online	
A longitudinal study on <i>Anopheles</i> mosquito larval abundance in distinct geographical and environmental settings in western Kenya	View online	
Integrated malaria vector control in different agro-ecosystems in western Kenya	View online	
Development of environmental tools for anopheline larval control	View online	
Integrated mosquito larval source management reduces larval numbers in two highland villages in western Kenya	View online	
Conflict Between the Need for Income and the Necessity of Controlling Endemic Malaria	View online	
Efficacy of Neem chippings as larval source management tool	View online	
Prospects for malaria control through manipulation of mosquito larval habitats and olfactory-mediated behavioural responses using plant-derived compounds	View online	
Mapping the potential use of endectocide-treated cattle to reduce malaria transmission	View online	

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
Vector Biology	Its all about insect vectors, diseases transmitted and their control measures	2011 - to date
Biological Sciences	Plants and animals in general	2011 - 2013
Invertebrate Biology	The biology of animals without a backbone	2011 - 2013
General Entomology	Biology, ecology and economic importance of insects in general	2012 - 2013
Cell Biology and Microscopy	The study of cells, their structure, components and functions.	2011 - to date
Animal Anatomy and Physiology	Tissues, organs and organ systems of animals, their structure and function.	2011 - to date