



THE TECHNICAL UNIVERSITY OF KENYA

Haile Selassie Avenue, P.O. Box 52428, Nairobi, 00200, Tel +254(020) 343672, 2249974, 2251300, 341639

Fax 2219689, Email: vc@tukenya.ac.ke, Website: www.tukenya.ac.ke

NAME: DR JACINTA SYOKAU KIMUYU

Faculty:	ENGINEERING AND THE BUILT ENVIRONMENT
School:	Surveying and Geospatial Science
Department:	GEOGRAPHY AND SPATIAL SCIENCE
Current Designation:	Senior Lecturer, GEOGRAPHY AND SPATIAL SCIENCE (DGSS)
Office Telephone:	+254(020) 2219929, 3341639, 3343672
Official Email:	jacinta.kimuyu@tukenya.ac.ke
Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	METEOROLOGY	UNIVERSITY OF NAIROBI(Kenya)	2015
Masters of Science (M.Sc.)	ENGINEERING IN GEOMATICS	UNIVERSITY OF CAPE TOWN(South Africa)	2007
Bachelor of Science (BSc)	SURVEYING	UNIVERSITY OF NAIROBI(Kenya)	1999
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	MBOONI GIRLS HIGH SCHOOL(Kenya)	1992
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	MBOONI GIRLS SECONDARY SCHOOL(Kenya)	1992
KCPE/Equivalent	KENYA CERTIFICATE OF PRIMARY EDUCATION	MATILIKU PRIMARY SCHOOL(Kenya)	1988

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
July, 2014 - TO DATE	TECHNICAL UNIVERSITY OF KENYA	LECTURER
May, 2010 - TO DATE	UNIVERSITY OF NAIROBI	PART TIME LECTURER
May, 2010 - 2014	TECHNICAL UNIVERSITY OF KENYA	ASSISTANT LECTURER
2008 - 2010	UNIVERSITY OF NAIROBI	TUTORAL FELLOW
2003 - 2007	UNIVERSITY OF NAIROBI	GRADUATE ASSISTANT

GENERAL STATEMENT ON RESEARCH AREAS

APPLICATION OF GEOINFORMATICS IN CLIMATE CHANGE ADAPTATION AND MITIGATION, ECOLOGICAL NICHE MODELING AND GEO-STATISTICS, SPATIAL PLANNING & URBAN MODELING, DISASTER MAPPING AND RISK REDUCTION, AGRO-ECOLOGICAL ZONING

CURRENT RESEARCH PROJECTS

APPLICATION OF REMOTE SENSING TECHNIQUES IN BIOMEDICAL ENGINEERING: DIGITAL MAPPING OF HUMAN BRAIN TUMOR.	BSC ENGINEERING SURVEY
PRECISION AND ACCURACY OF TRI-DIMENTIONAL LOCALIZATION IN STATSCAN DIGITAL MEDICAL RADIATION	MSc (GEOMATICS ENGINEERING)
ECOLOGICAL NICHE MODELING OF MALARIA VECTOR DISTRIBUTION FOR CLIMATE CHANGE ADAPTATION IN KENYA	PhD METEOROLOGY (CLIMATE CHANGE ADAPTATION AND MITIGATION)

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Kimuyu, J. S. (2015). Ecological Niche Modeling Of Malaria Vector Distribution For Climate Change Adaptation In Kenya (Doctoral dissertation, University of Nairobi).	View online	
Kimuyu, J. S. (2006). Precision and Accuracy of Tridimensional Localization in Statscan Digital Medical Radiology (MSc dissertation, University of Cape Town).	View online	
CO-AUTHOR, March, 2016: TECHNICAL REPORT OF INSTITUTION OF SURVEYORS OF KENYA DESKSTUDY ON MINIMUM AND MAXIMUM LAND HOLDING ACREAGE IN KENYA	View online	

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
CELESTINE, N.W	FLOOD MONITORING ON NAIROBI RIVER	2013
FAITH, RUTO	USING GIS TO IMPROVE ON RATES AND RENTS COLLECTION IN LOCAL AUTHORITY.	2012
JULIUS ROTICH K.	TECHNICAL ASSESSMENT OF KENYA-SOUTH SUDAN INTERNATIONAL BOUNDARY; COMPLETED BPHIL.	2012
TALAM, PHILIP	USING GEOINFORMATION TECHNOLOGY TO MANAGE CDF.	2012
JACO M.K.	CREATION OF A PROTO TYPE CRIME DATABASE	2011
KEVIN M.G.	LAND COVER CHANGE DETECTION ABERDARE RANGE FOREST	2011
LALI DULLU	USING RECTIFIED PHOGRAPHS TO DETERMINE A CREAGES OF SELECTED PARCELS IN VOI AREA	2013

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE INSTITUTION

MEMBER	INSTITUTION OF SURVEYORS OF KENYA
MEMBER	ESRI SUPPORTED GIS KENYA USER GROUP

EXTRA INFORMATION

DESCRIPTION

CONSULTANT AND DIRECTOR OF GEOSAT SPATIAL CONSULTANCY