



THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	ENGINEERING AND THE BUILT ENVIRONMENT
School:	CIVIL AND RESOURCE ENGINEERING
Department:	STRUCTURAL AND CONSTRUCTION ENGINEERING
Current Designation:	Tutorial Fellow, WATER AND ENVIRONMENTAL ENGINEERING (DWEE)
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Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Masters of Science (M.Sc.)	WATER RESOURCES ENGINEERING	KATHOLIEKE UNIVERSITY LEUVEN(Belgium)	2013
Bachelor of Technology (B.Tech)	CIVIL ANDSTRUCTURAL ENGINEERING	MOI UNIVERSITY(Kenya)	2004
Short Course/ Training	PRIJECT CYCLE MANAGEMENT	KENYA INSTITUTE OF ADMINISTRATION(Kenya)	2011
Short Course/ Training	AUTOCAD CIVIL 3D	NUMERICAL MACHINING COMPLEX LTD(Kenya)	2011
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	MUVUTI SECONDARY SCHOOL(Kenya)	1997
KCPE/Equivalent	KENYA CERTIFICATE OF PRIMARY EDUCATION	KAVIANA PRIMARY SCHOOL(Kenya)	1993

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
12/10/2016 - TO DATE	THE TECHNICAL UNIVERSITY OF KENYA	TUTORIAL FELLOW
2014 - 2016	PUBLIC WORKS AND HOUSING	CHIEF OFFICER
2008 - 2014	Kenya Industrial Research and Development Institute (KIRDI)	Assistant Research Scientist
2007 - 2014	Kenya Industrial Research and Development Institute (KIRDI)	Civil Engineer

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Understanding and conceptualization of the hydrogeology and groundwater flow dynamics of the Nyando River Basin in Western Kenya	View online	
A modified approach for modelling river-aquifer interaction of gaining rivers in MODFLOW, including riverbed heterogeneity and river bank seepage	View online	
Influence of riverbed heterogeneity and riverbank seepage on groundwater-surface water interaction: Session S5.1 Interaction between aquifers, rivers, lakes and estuaries: Flow and transport	View online	

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Abanet Tadesse	Effects of spatially variable riverbed hydraulic conductivity on river-aquifer interaction VUB & Ghent University , M.Sc	2014 - 2015
Rebecca Sultana	Analyzing the effects of simultaneous solution of the groundwater flow problem in MODFLOW VUB & KULeuven University , M.Sc	2017-2018
Dennis Okinyi	Quantifying model structure uncertainty in groundwater modeling in MODFLOW VUB & KULeuven University, M.Sc	2017-2018
Felix Mutuura	Comparative analysis of climate change models in Nyando River catchment in Western Kenya Kenyatta University, M.Sc	2017 - date
George Odhiambo Gor	Analyzing the effect of anthropogenic activities on the groundwater table dynamics of the Nyando River catchment, Western Kenya Kenyatta University, M.Sc	2017-date

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
GRADUATE ENGINEER	ENGINEERS BOARD OF KENYA