



# THE TECHNICAL UNIVERSITY OF KENYA

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NAME: DR BILHA ESHTON NKALA

Faculty:	ENGINEERING AND THE BUILT ENVIRONMENT
School:	CHEMICAL AND BIOLOGICAL SYSTEMS ENGINEERING
Department:	CHEMICAL AND PROCESS ENGINEERING
Current Designation:	Senior Lecturer, CHEMICAL AND PROCESS ENGINEERING (DCPE)
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## EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	ENGINEERING	UNIVERSITY OF DAR ES SALAAM(Tanzania)	2012
Masters of Science (M.Sc.)	ENVIRONMENTAL ENGINEERING	UNIVERSITY OF DAR ES SALAAM(Tanzania)	2006
Bachelor of Science (BSc)	ENGINEERING	UNIVERSITY OF DAR ES SALAAM(Tanzania)	2003
A Level/Equivalent	ADVANCED CERTIFICATE OF SECONDARY EDUCATION	NGANZA SECONDARY SCHOOL(Tanzania)	1998

## WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
Nov 2012 - Sept 2013	UNIVERSITY OF DAR ES SALAAM	LECTURER
Jan 2007 - October 2012	UNIVERSITY OF DAR ES SALAAM	Assistant Lecturer
March 2006 - Dec 2006	CW & WSP Danida	Researcher
16/09/2013 - -	THE TECHNICAL UNIVERSITY OF KENYA	LECTURER

#### CURRENT RESEARCH PROJECTS

Biochemical Oxygen Demand(BOD) Reaction Kinematics and Mass Transfer in a Horizontal subsurface Flow Constructed wetland	Chemical and Mining Engineering.
Biodiesel Production From Vegetable Oils.	Chemical and Mining Engineering.

#### SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
2013 Greenhouse gas emissions and energy balances of jatropha biodiesel as an alternative fuel in Tanzania Biomass and Energy xxx	<a href="#">View online</a>	
2012 Energy balances of molasses based bioethanol production in Tanzania.	<a href="#">View online</a>	
2012 Greenhouse gas emissions in production from fuel ethanol production using sugarcane molasses in Tanzania.	<a href="#">View online</a>	