# 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 GRACE WAMBUI GACHIGUA

Faculty:	Applied Sciences and Technology
School:	Mathematics and Actuarial Science
Department:	Pure and Applied Mathematics
Current Designation:	Senior Lecturer, INDUSTRIAL AND ENGINEERING MATHEMATICS (DIEM)
Office Telephone:	020-343672
Official Email:	info@tukenya.ac.ke
Consultation Hours:	08.00AM-05.00PM,Mon-Fri



# EDUCATION

LEVEL	QUALIFICATION NAME INSTITUTION		
Doctor of Philosophy (PhD)	APPLIED MATHEMATICS	JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY(Kenya)	2013
Masters of Science (M.Sc.)	MATHEMATICS	KENYATTA UNIVERSITY(Kenya)	2007
Bachelor of Education (B.Ed)	SCIENCE	KENYATTA UNIVERSITY(Kenya)	2003
Diploma	SCIENCE EDUCATION	KENYA SCIENCE TEACHERS COLLEGE(Kenya)	1992

## WORK EXPERIENCE

PERIO	D	INSTITUTION	POSITION
14.05.20	013 - 31.03.2014	Technical University of Kenya	Assistant Lecturer
31.03.20	014 - *	Technical University of Kenya	Lecturer

## SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION YEAR
Ring of invariants fr systems with linear Part N(3)	View online
Stability Analysis of a Brusselator Model	View online
Normal Forms for Systems with Linear Part N(3	View online
A numerical Investigation of Turbulent Natural Convection in a 3D Enclosed Using Volume Finite Method and Staggered Grid	View online
Boosting Invariants to Equivariants for a coupled Takens-Bogdanov Systems	View online
A numerical Investigation of Turbulent Natural Convection in a 3D Enclosed Using SST Model and Simplec Method	View online
Mathematical Model Governing the Predator-Prey Relationship in Lake Turkana (Kenya),	View online