



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	YEAR
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

PERIOD	INSTITUTION	POSITION
14.05.2013 - 31.03.2014	Technical University of Kenya	Assistant Lecturer
31.03.2014 - *	Technical University of Kenya	Lecturer

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Ring of invariants for 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	