



THE TECHNICAL UNIVERSITY OF KENYA

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School:	Mathematics and Actuarial Science
Department:	Pure and Applied Mathematics
Current Designation:	Lecturer, PURE AND APPLIED MATHEMATICS
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Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	MATHEMATICS	UNIVERSITY OF NAIROBI(Kenya)	2013
Masters of Science (M.Sc.)	PURE MATHEMATICS	UNIVERSITY OF NAIROBI(Kenya)	2011
Bachelor of Science (BSc)	MATHEMATICS	University of Nairobi(Kenya)	2009
Certificate	Certificate of secondary Education	Ramba Secondary School(Kenya)	2003
Certificate	Kenya certificate of primary Education	Bar Union Primary School(Kenya)	1999

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2011 - 2015	University of Nairobi	ParTime Lecturer
2012 - *	The Kenya Polytechnic University College	Part-Time Lecturer
2014 - *	Technical University of Kenya	Tutorial Fellow

SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
On an elementary transformation of vector bundles in P^n	https://arxiv.org/abs/1711.03792
On the homogeneous ideal of general points in P^5	http://www.m-hikari.com/ija/ija-2016/ija-5-8-2016/6325.html
On the minimal resolution conjecture for general points in p^4	http://www.m-hikari.com/pms/pms-2017/pms-1-4-2017/p/maingiPMS1-2017.pdf
On the method of Horace for Free resolutions in P^n	http://www.noveltyjournals.com/journal/IJNRPCM/Issue-2-May-2019-August-2019/0
• On computation of polynomial knot invariant	https://www.wjrr.org/on-computation-of-polynomial-knot-invariant

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Ms Ojwando A. Constance	Application of direct inverse technique to identify point sources of pollution along a river for spatially varying pollutant dispersion and river flow velocity	Ongoing

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
SMA 101 BASIC MATHEMATICS	BASIC MATHEMATICS	MAY 2012 - TO-DATE

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
Member	Geometry group-School of Maths UON