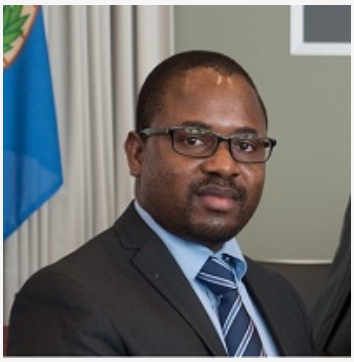
THE TECHNICAL UNIVERSITY OF KENYA

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 GEOFFREY OTIENO

Faculty:	Applied Sciences and Technology
School:	PHYSICS AND EARTH SCIENCES
Department:	INDUSTRIAL AND APPLIED CHEMISTRY
Current Designation:	Senior Lecturer, CHEMICAL SCIENCE AND TECHNOLOGY
Office Telephone:	0700331903
Official Email:	geoffrey.otieno@tukenya.ac.ke
Consultation Hours:	08.00am-05.00pm,Mon-Fri



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	Materials Science	University of Oxford(United Kingdom)	2012
Master of Engineering (M.Eng)	Advanced Materials	Kangwon National University Samcheok Campus(South Korea)	2007
Bachelor of Science (BSc)	Chemistry Major and Mathematics Minor	Kenyatta University(Kenya)	2004

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2012 - 2013	Pwani University	Lecturer
2011 - 2012	University of Oxford	Research Assistant (Prof. Nicole Grobert)
2013 - *	The Technical University of Kenya	Lecturer

GENERAL STATEMENT ON RESEARCH AREAS

Material processing and characterisation including, Ag and Fe nanoparticles; graphite/graphene composites, Carbon nanotube composites.

CURRENT RESEARCH PROJECTS

Carbon nanotube polymer composites	Nano-composites
Green Synthesis of Ag and Fe Nanoparticles	Green Chemistry, Nano

SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
Aligned carbon nanotubes aluminoborosilicate glass composite by sol gel processing	This work was highlitened on the cover of carbon Vol.48 issue 10 August 2010.
Conductive graphite/polyurethane composite films using amphiphilic reactive dispersant: Synthesis and characterization G Otieno, JY Kim Journal of Industrial and Engineering Chemistry 14 (2), 187-193	http://www.sciencedirect.com/science/article/pii/S1226086X07000275
Thermal and electrical properties of aluminoborosilicate glass–ceramics containing multiwalled carbon nanotubes A Mukhopadhyay, G Otieno, BTT Chu, A Wallwork, MLH Green, RI Todd Scripta Materialia 65 (5), 408-411	http://www.sciencedirect.com/science/article/pii/S135964621100306X
Composite materials containing aligned nanotubes and the production thereof RI Todd, N Grobert, G Otieno US Patent App. 13/392,124	http://www.google.com/patents/US20120208002
Optimization and thermodynamics of the extraction of yellow oleander seed oil using soxhlet extractor	http://erepo.usiu.ac.ke/handle/11732/4427
Stiffness, strength and interwall sliding in aligned and continuous multi-walled carbon nanotube/glass composite microcantilevers	https://www.sciencedirect.com/science/article/abs/pii/S1359645415006229
Processing and properties of aligned multi-walled carbon nanotube/aluminoborosilicate glass composites made by sol–gel processing	https://www.sciencedirect.com/science/article/abs/pii/S0008622310001405

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Stephen Situma	Carbon Nanotube/Polymer Composite (PhD)	1year
Kimei Mwanza	Synthesis of Ag nanoparticles (PhD)	1year
Masime Jeremiah	Biodiesel from Oliander seeds (PhD)	1year

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
Material and Energy Balance	Mass and energy balances on different systems	2013 - TO-DATE
Nanochemistry	Techniques of synthesis of nano-materials with a bias to wet chemistry	2013 - TO-DATE
Nanotechnology	Basic introductory/overview of different aspects of nanotechnology with emphasis on emerging technologies	2013 - TO-DATE
Materials Science	Mechanical, electrical and thermal properties of materials	2014 - xxxx