



THE TECHNICAL UNIVERSITY OF KENYA

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NAME: DR EDISON OMOLLO ODUOR



Faculty:	Social Sciences and Technology
School:	HOSPITALITY AND HUMAN ECOLOGY
Department:	FASHION, CLOTHING, AND TEXTILES
Current Designation:	Lecturer, FASHION, CLOTHING AND TEXTILES (DFCT)
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Consultation Hours:	8AM-5PM MON - FRI

EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	TEXTILE TECHNOLOGY	THE TECHNICAL UNIVERSITY OF KENYA(Kenya)	2021
Master of Engineering (M.Eng)	TEXTILE ENGINEERING	DONGHUA(China)	2014
Bachelor of Technology (B.Tech)	TEXTILE ENGINEERING	MOI UNIVERSITY(Kenya)	2010

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
September, 2014 - To Date	The Technical University of Kenya	Assistant Lecturer
August 2019 - September 2019	HEVA Fund PLC	Research Consultant
August 2016 - May 2019	Machakos University	Sessional Lecturer
May, 2014 - August, 2014	Moi University	Tutorial Fellow
November, 2010 - August, 2011	Kenya Bureau of Standards	Assistant Testing Officer

GENERAL STATEMENT ON RESEARCH AREAS

A Textile Engineer skilled in textile processing and manufacturing, textile testing, fabric design and construction, textile finishing (dyeing and printing), clothing comfort, polymers, polymer processing and characterization techniques. Research interests include but not limited to; electrospinning of polymeric textile fibers for various applications, nonwovens, textile fabric modification and textile testing.

CURRENT RESEARCH PROJECTS

M. Eng. Project Work: 'Electrospinning of cellulose acetate, property analysis and fabrication of PP/CA/PP composite filter'

Textile Engineering

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
E. Omollo, C. Y. Zhang, W. J. Liu, N. Sizo, "A Study of Optimum Conditions for Electrospinning Cellulose Acetate Nanofibers in Trifluoroacetic Acid Solvent", ...	View online	
Ndlovu, L.N., Siddiqui, Q., Omollo, E., and Chongwen, Y., Physical properties of plain single jersey knitted fabrics made from blended and core spun polysulfonamide (PSA)/cotton yarns	View online	
Omollo, E., Zhang, C.Y., Mwasiagi, J.I., Tusiimire, Y., and Ndlovu, L., A Study of the Effects of Aging the Spinning Solution during the Electrospinning of Cellulose Acetate Nanofibers	View online	
Fredrick Nzioka, Edison Omollo, Edwin Khamala, Josphat Mwasiagi, Lucy Ciera and Yimin Wang. A Study of the Characteristics of Hollow Glass Microspheres Reinforced Thermoplastic Polyurethane Composite Foam	View online	
Omollo, E., Zhang, C.Y., Mwasiagi, J.I., and Ncube, S., Electrospinning Cellulose Acetate Nanofibers and a study of their possible use in High Efficiency Filtration	View online	
Tusiimire, Y., Zhang, C.Y., and Omollo, E. Cellulose acetate (CA) as an alternative for Polymethylmethacrylate (PMMA) in relation to absorption properties of blended electrospun poly (vinylidene fluoride) (PVDF) Membrane	View online	
Ncube, S., Zhang, C. Y., Omollo, E., & Liu, L. Effect of Time and Temperature when Removing PVA from a PET/PVA Nonwoven Material	View online	
Physical Characterization of Eri Silk Fibers Produced in Kenya	View online	
A STUDY OF YARN IMPERFECTIONS FOR BASOFIL/COTTON ROTOR SPUN YARN	View online	
Preliminary Study regarding the Effects of Different Soil Treatments on the Strength of Canvas Material during the Soil Burial Test	View online	
Eri silkworm rearing practices in Kenya	View online	
Effect of Conventional Degumming Methods on Eri Silk Fibers produced in Kenya	View online	
Clustering and Classification of Cotton Fiber Quality using Principle Component Analysis, Agglomerative Hierarchical clustering (AHC), and k-means Clustering	View online	

POSTGRADUATE STUDENTS SUPERVISION

NAME PROJECT TITLE PERIOD

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PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
Member	Engineers Board of Kenya
Member, KEBS/TC 064	Kenya Bureau of Standards
Member, KEBS/TC 066	Kenya Bureau of Standards
Member, KEBS/TC 067	Kenya Bureau of Standards
Member, KEBS/TC 070	Kenya Bureau of Standards