


## STAFF CV- template

		
<b>BACKGROUND INFORMATION</b>		
<b>Name</b>	Omukoba Nyukuri Mulati	
<b>Profession</b>	Lecturer / Biostatistician & Mathematical Modeller	
<b>Nationality</b>	Kenyan	
<b>Email</b>	mmukoba@yahoo.com   momukoba@kibu.ac.ke	
<b>Phone Number</b>	+254 722 650 717	
<b>ACADEMIC QUALIFICATIONS</b>		
<b>INSTITUTIONS</b>	<b>PERIOD</b>	<b>QUALIFICATIONS</b>
Kibabii University Bungoma, Kenya	2021-2025	Doctor of Philosophy (PhD) - Statistics Thesis: Modelling HIV/AIDS Transmission Dynamics using Adaptive Spatial Hierarchical Bayesian Approach
University of Reading, UK	Mar-Jul 2006	E-Certificate in Statistical Climatology
Kenyatta University Nairobi, Kenya	1998-2000	Master of Science (MSc) - Statistics Project: Auxiliary Information in Sample Surveys
Jomo Kenyatta University of Science and Technology	1994-1998	Bachelor of Science (BSc) - Mathematics
<b>PROFESSIONAL QUALIFICATIONS</b>		
<b>INSTITUTIONS</b>	<b>PERIOD</b>	<b>QUALIFICATIONS</b>
Kenya Institute of Management	2012-2018	Certification in Monitoring and Evaluation
Kenya Institute of Management	2013	Certification in Quality Management, Tools and Techniques
Ethics & Anti-Corruption Commission (EACC)	2012, 2016	Integrity Testing Programme (ITP); Integrity Assurance Officers Training
<b>EMPLOYMENT HISTORY (LAST 10 YEARS)</b>		
<b>EMPLOYER</b>	<b>PERIOD</b>	<b>DESIGNATION/RESPONSIBILITY</b>
Kibabii University Bungoma, Kenya	2013-Present	Lecturer, Dept. of Mathematics & Statistics  Chair, Community Outreach Committee  Ethics & Anti-Corruption Enforcement Officer Coordinator, Undergraduate Projects
Masinde Muliro University of Science and Technology	2006-2013	Lecturer, Assistant Lecturer

		Dept. of Mathematics & Statistics
Maseno University Kisumu, Kenya	2003-2006	Assistant Lecturer Dept. of Mathematics & Statistics
<b>MEMBERSHIP TO PROFESSIONAL BODY(IES)</b>		
<b>BODY</b>	<b>YEAR OF REGISTRATI ON</b>	<b>MEMBER NUMBER AND TYPE</b>
Statistical Society of Kenya	N/A	Registered Member
Kenya Institute of Management	N/A	Associate Member
African Institute of Mathematical Sciences (AIMS)	N/A	Member
Society of Applied Statistics, Maseno University	N/A	Member
<b>PREVIOUS SELECTED PROJECTS UNDERTAKEN (LAST 5 YEARS)</b>		
<b>EMPLOYER</b>	<b>PERIOD</b>	<b>SUMMARY OF ASSIGNMENTS PERFORMED</b>
County Assembly of Bungoma / Kibabii University	Oct-Nov 2023	Facilitator: HR Instruments of Governance; Performance Contracting Policies; Bribery & Corruption Risk Assessment; Gap Analysis
Kibabii University	2021-2025	PhD Research: Adaptive Spatial Hierarchical Bayesian SEIR Modelling for HIV/AIDS Transmission Dynamics in Kenya (Published 2025)
Kibabii University	2019	Corruption Perception Index Survey, Kibabii University
Kibabii University Outreach Programme	2014-Present	Chair, Community Outreach Committee: Medical camps, rain gauge installation (meteorological dept.), agricultural extension, environmental conservation
<b>SELECTED PUBLICATIONS</b>		
<p>1. Mulati, O.N., Sirengo, J., &amp; Chikamai, L. (2025). Development of an Adaptive Spatial Hierarchical Bayesian SEIR Model for HIV and AIDS Transmission Dynamics in Kenya. <i>Iconic Research and Engineering Journals</i>, 9(1), 1118-1122.</p> <p>2. Mulati, O.N., Sirengo, J., &amp; Chikamai, L. (2025). Theoretical Properties of an Adaptive Spatial Hierarchical SEIR Model for HIV Transmission Dynamics. <i>Iconic Research and Engineering Journals</i>.</p> <p>3. Chonge, M., Nyongesa, K., Mulati, O., &amp; Makokha, L. (2015). A Time Series Model of Rainfall Pattern of Uasin Gishu County. <i>IOSR Journal of Mathematics</i>, 11, 77-84.</p> <p>4. Adu, A.M., Kibwott, F., Lawi, G., &amp; Mulati, O. (2014). A HIV/AIDS Model in a Homogeneous Population with Time Lags in the Transmission. <i>Applied Mathematical Sciences</i>, 8(34), 1643-1657.</p> <p>5. Adu, A.M., Bonga'ng'a, S.A., Lawi, G., &amp; Mulati, O. (2014). A Predator-Prey Model with a Time Lag in the Migration. <i>Applied Mathematical Sciences</i>, 8(75), 3721-3732.</p>		

6. Sindayigaya, S., Okoth, A., & Mulati, N. A Novel Statistical Model for Poverty Estimation. ISBN 978-659-35612-4. (Book)
7. Naliaka, S., Munir, M., Mulati, N., & Alala, O. (2016). Effect of Firm Size on Environmental Accounting Practices among Listed Manufacturing Firms in Kenya. Proceedings of the First Kibabii University International Conference.

**PROFESSIONAL REFEREES**

<b>NAME &amp; CONTACTS</b>	<b>POSITION HELD</b>	<b>ORGANIZATION</b>
Prof. John Makokha Tel: 0721 825 520	Ag. Deputy Vice Chancellor (AFD)	Kibabii University, P.O. Box 1699-50200, Bungoma, Kenya
Dr. Martha Konje Tel: 0711259863	Dean, Faculty of Science	Kibabii University, P.O. Box 1699-50200, Bungoma, Kenya
Dr. Vincent Marani Tel: 0716211787	Chair, Mathematics Department	Kibabii University, P.O. Box 1699-50200, Bungoma, Kenya