DR. AYUBU ANAPAPA OKANGO, PhD

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Nationality:	Date of Birth:	ID Number:
Kenyan	**11th January 1979**	**21074289**

EDUCATION

2013 - 2016	Moi University	PhD (Biostatistics)
2005 - 2008	Kenyatta University	MSc. (Statistics)
2002 - 2004	University of Sunderland	Post graduate Diploma in Information Technology Management
1997 - 2001	JKUAT	BSc. (Statistics and Computer Science)

WORK EXPERIENCE

January 2021 – Now	Murang'a University of Technology – Senior Lecturer
January 2014 – December 2020	University of Eldoret - Lecturer
January 2013 – January 2014	Kenya Forestry Research Institute - Research Scientist II (Biometrician)
August 2008 – September 2012	Kenya Medical Research Institute Projects - Senior Data Manager
May 2006 – July 2008	Government Training Institute – Lecturer II
April 2002 – March 2005	JKUAT - Teaching Assistant

RESEARCH GRANT AWARDS

Research Project	Funding Agency - Amount
High Blood Pressure Risk Factors among Staff in University of Eldoret	University of Eldoret – Kshs 200,000/=
Modelling the Germination of *Melia volkensii* using an A-, D-, T- Optimal Four Factor Rotatable Central Composite Design	NACOSTI - Kshs 500,000/=

CONSULTATIONS

July 2014 – October 2014: Uncertainty analysis on calculated forest reference level for Nepal - Camco Advisory Services (Kenya) Limited

July 2014: Data analysis and management training to Alliance for Green Revolution in Africa grantees

May 2013 – August 2013: Forecasting of the supply and demand for wood and wood products in Kenya- Wanley Consultants

POSTGRADUATE SUPERVISION

Student Name	Course	Title	Graduation Date
Samson Wangila Wanyonyi	PhD (Biostatistics) - UoE	Application of a four component mixture variables in the presences of two process variables within a split-plot design modeling the yield of *Glycine max* (l.) merrill	August, 2021
Cornelius Kipkeny Koech	MSc (Applied Statistics) - JKUAT	Time series analysis of Nandi county government revenue using seasonal autoregressive integrated moving average (SARIMA) model	April, 2021
Lavender Mutenyo Simiyu	MSc (Applied Statistics) - JKUAT	Time series analysis of air pollution trends in Kenya using environmental Kuznets curve	April, 2021
Miriam Sitienei	MSc (Biostatistics) - UoE	An application of mixture experiments in formulation of poultry feed for modelling chick weight	November, 2019
Winnie Jeptoo Rotich	MSc (Applied Statistics) - JKUAT	Modelling time default in university fee payment using cox proportional hazard model	June, 2019
Daisy Chelimo Boroon	MSc (Applied Statistics) - JKUAT	Monitoring claim processing duration using statistical quality control	June, 2019
Wilson Kiprotich Chepkech	MSc (Applied Statistics) - JKUAT	Survival analysis of cancer patients using Weibull parametric model	June, 2019

PEER REVIEWED PUBLICATIONS

Morris Mwenda John, Elphas Luchemo and **Ayubu Anapapa**. (2021) Spatial Modelling of Malaria Prevalence in Kenya. *Asian Journal of Probability and Statistics*. **4(3)**, 8-21

Erick Cheruiyot Kirui, Elphas Luchemo and **Ayubu Anapapa**. (2021). Modeling Infant Mortality Risk Factors using Logistic Regression Model and Spatial Analysis in Kenya. *Asian Journal of Probability and Statistics*, **13(1)**, 21-33

Samson W. Wanyonyi, **Ayubu A. Okango** and Julius K. Koech. (2021). Exploration of D-, A-, I- and G- Optimality Criteria in Mixture Modeling. Asian Journal of Probability and Statistics, **12(4),**15-28

Samson W. Wanyonyi, Ayubu A. Okango, Julius K. Koech and Betty C. Korir. (2021). Optimization of Split-Plot Design in the Context of Mixture Process Variable Settings. *Asian Journal of Probability and Statistics, **12(3)**, 1-36*

Lavender Mutenyo Simiyu, Joel Cheruiyot Chelule, Ayubu Anapapa and Herbert Imboga. (2021). Time series analysis of air pollution trends in Kenya using environmental Kuznets curve. *International Journal of Statistics and Applied Mathematics*, **6(1)**,128-133

Cornelius Kipkeny Koech, Joel Cheruiyot Chelule, **Ayubu Anapapa** and Herbert Imboga. (2020). Time series analysis of Nandi county government revenue using seasonal autoregressive integrated moving average (SARIMA) model. *International Journal of Statistics and Applied Mathematics*, **5(6)**, 1-6

Kennedy Ekeya Emoru, Joel Cheruiyot Chelule, Herbert Orango Imboga, **Ayubu Anapapa Okango**. (2020). Extended Cox Model on Duration Taken to Release Cargo at Kenyan Border Entry Point: A Case Study of Malaba OSBP, *American Journal of Applied Mathematics and Statistics, 2020, 8(3), 96-102*

Sitienei C. Miriam, **Okango A. Ayubu** and Otieno R. Argwings. (2019). Application of Mixture Experiments in Poultry Feed Formulation. *African Journal of Education, Science and Technology*, **5(3),** 15 - 28

Wilson Kiprotich Chepkech, Joel Cheruiyot Chelule, **Ayubu Anapapa**, Herbert Imboga. (2019). Survival Analysis of Cancer Patients Using Weibull Parametric Model, International Journal of Science and Research, **8(5)**, 66 – 69

Wangui Patrick Mwangi, Argwings Otieno and **Ayubu Anapapa**. (2019). Assessment of French Beans Production at Kariua in Kandara, Murang'a County- Kenya. *Asian Journal of Probability and Statistics*, **5(4)**, 1-16

Winnie Jeptoo Rotich, Joel Cheruiyot Chelule, **Ayubu Anapapa** and Herbert Imboga. (2019). Modelling Time Default in University Fee Payment Using Cox Proportional Hazard Model. *International Journal of Science and Research*, **8(4)**, 1667 - 1668

Joel Cheruiyot Chelule, Meshack Kipchumba Ngetich, **Ayubu Anapapa** and Herbert Imboga. (2019). Time Series Analysis of Road Accidents Using Autoregressive Integrated Moving Average (ARIMA) Model. *International Journal of Science and Research*, **8(4)**, 1747 - 1755

Joel Cheruiyot Chelule, Daisy Chelimo Boroon, Ayubu Anapapa and Herbert Imboga. (2019). Monitoring Claim Processing Duration Using Statistical Quality Control. *International Journal of Science and Research*, **8(4)**, 1815 - 1821

Joel Cheruiyot Chelule, Rodgers Otieno and **Ayubu Anapapa**. (2018) Markov Chain Model for Time Series and its Application to Forecasting Stock Market Prices. *International Journal of Science and Research*, **7(9)**, 1223 – 1230

Okango, A. A., Koske, J. K. and Mutiso, J. M. (2017). Analysing Four Factor Second Order Models using Response Surface Methodology with Application in Germination of *Melia volkensii*. *African Journal of Education, Science & Technology,* **4(2),** 71 - 101

Okango, A. A. (2017). An Analysis of the Performance of Students in Seven Statistics Units at University of Eldoret, *Journal of African Research and Development*, **2(2)**, 19 – 29.

Okango, A. A., Koske J. K. and Mutiso J. M. (2016). Optimization of Germination Conditions of *Melia volkensii* by Response Surface Methodology. *Advances and Applications in Statistics,* **49(3),** 195 - 210

Okango, A. A. and Odongo, L. O. (2012). Asymptotic Linear Estimation of the Quantile Function of the Double-Exponential Distribution Based on Selected Order Statistics. *East Africa Journal of Statistics* **5,** 1-22

Bea Vuylsteke, Hilde Vandenhoudt, Lilian Langat, Gisèle Semde, Joris Menten, Fredrick Odongo, **Ayubu Anapapa**, Lazare Sika, Anne Buve, Marie Laga (2010). Capture–recapture for estimating the size of the female sex worker population in three cities in Côte d'Ivoire and in Kisumu, western Kenya. *Tropical Medicine and International Health* **15,** 1537-1543

SCHOLARLY PRESENTATIONS

Anapapa A. Okango and Kipruto J. Koech. (2019). High Blood Pressure Risk Factors among Staff at University Of Eldoret. *Paper presented at the 6th International Interdisciplinary Conference (IIC6) of the University of Eldoret*

Ayubu Okango. (2015). Analyzing Two Factor Second Order Models Using Response Surface Methodology. *Paper presented at the 2nd Kenyatta University International Mathematics Conference*

Okango A. A, Koske J, Kasina M. M and Kabue T. (2014). A-, D-, T-, optimal four factor central composite design with application in a germination of *Melia volkensii* experiment. *Paper presented at the 10th Annual International Conference of Moi University*

H. Vandenhoudt; L. Langat; C. Zeh; F. Odongo; S. Oswago; G. Luttah; **A. Okango;** J. Ochura; J. Menten; B. Vuylsteke; A. Buvé; Respondent Driven Sampling to Estimate HIV, STI and Sexual Behavior among Female Sex Workers in Kisumu, Nyanza

Province, Kenya. *Paper presented at the Annual Review Meeting 2009, University of Nairobi STD/AIDS Collaborative Group, January 26th, 2009.*

H. Vandenhoudt; L. Langat; F. Odongo; **A. Okango;** J. Ochura; J. Menten; B. Vuylsteke; A. Buvé; Estimating the Size of the Female Sex Worker Population in Kisumu, Western Kenya. *Paper presented at the Annual Review Meeting 2009, University of Nairobi STD/AIDS Collaborative Group, January 26th, 2009*

PROFESSIONAL SOCIETIES

Name of Society	Position in the Society
Kenya National Statistical Society	Vice chairman
International Association for Statistical Computing	Member

REFEREES

Dr. Argwings Otieno
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Mathematics and Computer Science
University of Eldoret
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