

ARORI WILFRED OMWANSA

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EDUCATION

Postgraduate studies

Ph.D. (Applied Statistics) 2009 to 2019 – Maseno University P.O. Box 333, Maseno. Thesis Title: “Stochastic Modeling of Bamboo Population Growth and Optimal Harvesting”.

M.Sc. (Applied Statistics) 2001 to 2004 – Maseno University P.O. Box 333, Maseno. Thesis Title: “Statistical Modeling of a Benevolent Scheme”.

Undergraduate studies: B.Sc. (*Second Class Honors Upper Division*) In Mathematics, Physics and Computer Science (1994 – 1998). Moi University P.O. Box 3900 Eldoret.

Secondary education: K.C.S.E. Mean Grade (B Plain) certificate attained (1989 – 1992) St. John’s Seminary, Rakwaro.

Primary education: K.C.P.E. Certificate attained (1988) Kerina Primary School, Kisii.

RESEARCH EXPERIENCE

Research Assistant Tobacco to Bamboo Project. (Jan 2010 to Dec 2012).

TEACHING EXPERIENCE

I have 17 years teaching experience at university – undergraduate and postgraduate degree level. Lecturer, Department of Statistics and Actuarial Science, (July 2008 to date) Maseno University, School of Mathematics Statistics and Actuarial Science.

HONORS AND AWARDS

PROFESSIONAL MEMBERSHIP

SKILLS AND TRAINING

Besides numerous undergraduate project supervision, I have successfully supervised a MSc Quantitative research methods student (2013 – 2016), Joyce Wanyoyi Nandako “Adequacy and Utilization of Sanitation Facilities in Primary schools in Manga Sub County – Nyamira County”.

LEADERSHIP EXPERIENCE

(May 2005 to July 2008) Lecturer and Coordinator, JKUAT programs at KCA Kisumu Campus, P.O. Box, 3207 Kisumu.

(2013 - 2019) Examinations and Timetabling Coordinator, Department of Statistics and Actuarial Science.

CONFERENCES AND WORKSHOPS

Thin Film Physics at Trieste in Italy. (January to April 2000)

PUBLICATIONS

1. Arori W, Kibwage J. K, Netondo G. W, Onyango F, (2013) “A Markov Model for Bamboo Harvest Forecasting in South Nyanza Region, Kenya” *Advanced Journal of Agricultural Research*, Vol. 1(004), pp. 045-050
2. Peter Omari Magati ,Jacob K. Kibwage, Seth Gor Omondi, George Ruigu, Wilfred Omwansa, “A Cost-benefit Analysis of Substituting Bamboo for Tobacco: A Case Study of Smallholder Tobacco Farmers in South Nyanza, Kenya” *Science Journal of Agricultural Research & Management*, Volume 2012, Article ID sjarm-204, 9 Pages, 2012. doi: 10.7237/sjarm/204.
3. Arori Wilfred Omwansa, (2019) “Stochastic Modeling of Bamboo Population Growth and Optimal Harvesting”, PhD Thesis, Maseno University Repository, <https://repository.maseno.ac.ke/handle/123456789/1455>