

CIRRICULUM VITAE

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PERSONAL DATA

DATE OF BIRTH: 8TH DECEMBER 1970
MARITAL STATUS: MARRIED WITH TWO CHILDREN
NATIONALITY: KENYAN

RESEARCH INTERESTS

EPIDEMIC MODELLING, BIOINFORMATICS, HEALTH AND FINANCE
RELATED RESEARCH
CURRENTLY PURSUING A PHD IN STATISTICS, DUE TO COMPLETE IN
2013

ACADEMIC BACKGROUND

2006-2009: STOCKHOLM UNIVERSITET
LICENTIATE OF PHILOSOPHY (STATISTICS)

1995-1997: UNIVERSITY OF NAIROBI
MASTERS OF SCIENCE IN STATISTICS

1990 -1994 : UNIVERSITY OF NAIROBI
BACHELOR OF SCIENCE,
SECOND CLASS (HONOURS) ,UPPER DIVISION

1988 –1989 : BISHOP GATIMU NGANDU GIRLS
KENYA ADVANCED CERTIFICATE OF EDUCATION,
TWO PRINCIPALS,THREE SUBSIDARIES, 13POINTS.

RESEARCH EXPERIENCE

SEPT 2008 – FEB. 2009 DATA CONSULTANCY, IAVI-NAIROBI

- Policy modeling the HIV epidemic in Kenya using the Spectrum program

2010-2012 EVALUATION OF THE COVERAGE, UTILIZATION AND EFFECTIVENESS OF PMTCT SERVICES IN KENYA - CDC

- Co investigator, Biostatistician of the study

2010 to date REPRODUCTIVE HEALTH DECISIONS AND HIV INFECTION RISK(HAPI STUDY) NIH/NICHD

- Co investigator , Biostatistician of the study

WORK EXPERIENCE

2010 – TO DATE UNITID FELLOWSHIP PROGRAM, UoN

- Didactic training of fellows in Research methods and Biostatistics.
- Didactic training of medium term fellows in Monitoring and Evaluation program in Statistical methods
- Lead facilitator in Biostatistics short course training.

NOV.2010 UNIVERSITY OF NAIROBI

- Training in Advanced Health Research Methods Course

OCT.2010 UNIVERSITY OF NAIROBI

- Training of Master of Medicine students in Biostatistics

DEC. 2007 - FEB. 2008 ICIPE-NAIROBI

- Training of PhD students in Statistical Data Analysis

**2005 – TO DATE LECTURER, SCHOOL OF MATHEMATICS,
UNIVERSITY OF NAIROBI**

Responsibilities:

- Course coordinator, Medical Statistics; Institute of Tropical and Infectious Diseases (UNITID), University of Nairobi.
- Examination Coordinator, School of Mathematics.
- Member of Board, Centre of Biotechnology and Bioinformatics (CEBIB), University of Nairobi.
- Member of HIV/AIDS research group.
- Teaching of postgraduate and undergraduate courses in Statistics in School of Mathematics.
- Teaching postgraduate students in Institute of Tropical and Infectious Diseases (UNITID) and in Centre of Biotechnology and Bioinformatics (CEBIB)
- Supervision of postgraduate students in research projects.

**1999 -2005 : TUTORIAL FELLOW, DEPARTMENT OF MATHEMATICS,
UNIVERSITY OF NAIROBI**

Responsibilities and activities:

- Member of Examination and Registration Committee, Department of Mathematics
- Teaching undergraduate students in Department of Mathematics and Institute of Computer Science.
- Attended six month training on Statistical Consultancy, Stockholm University.
- Attended a six-month Data Analysis attachment at the ICIPE

1997-1999: GRADUATE ASSISTANT, DEPARTMENT OF MATHMATICS.

Responsibilities:

- Member of Examination and Registration Committee, Department of Mathematics
- Teaching undergraduate students in Department of Mathematics and Institute of Computer Science.

MEMBERSHIP

- The International Biometrics Society (IBS)

COMPUTER SKILLS

- Statistical Data analysis using S-Plus, STATA and SPSS.
- Programming in MATLAB and Scilab.
- Word processing in Ms Word and Latex
- Data management in Excel, Ms Access and Epi-Info.

LIST OF PUBLICATIONS

- (1) Achia, T N O, Wangombe, A and Niragire, F: **Identification of determinants of infant mortality in Rwanda using a shared frailty model**, e European Journal of Scientific Research , 2010.
- (2) Wangombe A, Britton T. and Andersson M: **A stochastic epidemic model for tick borne diseases: intial stages of an outbreak and endemic levels**, in preparation
- (3) Wangombe A, Britton T and Andersson M : **A stage structured stochastic epidemic model for tick borne diseases** (submitted to Mathematical Biosciences)
- (4) Achia T N O, Wangombe A. and Khadioli N. **Logistic regression modeling of poverty using Demographic and Health Survey data**, European Journal of Social Science, Vol. 13, 1, **2010**, 38-45
- (5) Adebajji, A., Achia, T. N. O. Ngetich, R. Owino,J. and Wangombe A. **Spatial Durbin model for poverty mapping and analysis**. European Journal of Social Science, Vol. 5, 4, **2008**
- (6) Achia T N O, Wangombe A. and Niragire. F. **Use of the shared frailty model to identify the determinants of child mortality in Rwanda**, Rwanda Journal,20, Series C, 2011, 98-118

THESIS AND DISSERTATIONS

Stochastic epidemic models for tick borne diseases: Licentiate thesis – Stockholm University, 2009

Statistical Modeling of wastage in manpower systems; MSc. Dissertation- University of Nairobi, 1999

SMA101-Basic Mathematics-ODL study manual-2003

INTERESTS

Reading, listening to gospel music, watching movies.

REFREES

- (1) PROF. BENSON B.A. ESTAMBALE
DEPUTY PRINCIPAL, RESEARCH
BONDO UNIVERSITY COLLEGE
P.O BOX 210-40601, BONDO
TEL: +254 722 700 185
- (2) PROF. MOSES M. MANENE
HEAD OF STATISTICS DIVISION, SCHOOL OF MATHEMATICS
UNIVERSITY OF NAIROBI.
P O BOX 30197-00100, NAIROBI
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- (3) PROF PATRICK G. O. WEKE
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