

CURRICULUM VITAE
DR JEMIMAH AYUMA SIMBAUNI
DEPARTMENT OF ZOOLOGICAL SCIENCES
KENYATTA UNIVERSITY

CURRICULUM VITAE

1.1 PERSONAL PROFILE

1.1.1 Personal details

Name : Dr Jemimah Ayuma Simbauni
Date of birth : 15th May 1965
Age : 53 Years
Nationality : Kenyan
Designation : Senior Lecturer
PF. NO.: : 3697

1.1.2 Academic & Professional Qualification

1996: Ph.D in Animal Physiology, Kenyatta University
1988: M.Sc (Biosciences), JMI (Delhi) University (India)
1986: Bachelor of Science, Kurukshetra University, Haryana

1.1.3 Employment History

- 2003 to date: Senior Lecturer, Department of Zoological Sciences, Kenyatta University
- 1992-2002: Lecturer, Department of Zoological Sciences, Kenyatta University

- 1989-2001: Tutorial Fellow, Department of Zoological Sciences, Kenyatta University

1.1.4 Major Achievements since last Appointment

- Successfully supervised 4 Ph. D students
- Successfully supervised 21 masters students
- Published 16 papers
- Awarded VC Research Grant 2015
- Successfully completed grant research and submitted report in time
- Have been external examiner (JKUAT and Moi University)
- Held administration position as Head of Sections (JAB and Postgraduate and International students Section) in Admissions section of Academic Division from 2006 to 2013
- Trained in various academic aspects by the University
- Successfully carried out my regular teaching duties over the years

1.2 RESEARCH AND PUBLICATIONS

1.2.1 Refereed journal papers

- GLADYS GAKENIA NJOROGE, **JEMIMAH AYUMA SIMBAUNI** AND JOSEPH ARAP KOSKE (2017). An Optimal Split-Plot Design in Performing a Mixture Process Experiment. Science Journal of Applied Mathematics and Statistics 2017:5(1)15-23).
- LUCY MWARI KITHINJI, MARGARET KERAKA AND **JEMIMAH SIMBAUNI** (2017). Care-giver determinants of utilization of growth-monitoring clinic among children aged 12-59 months in urban Kiambu County, Kenya. International Journal of Innovative Research and Advanced Studies 2017: 4(6) 334-338.
- LUCY MWARI KITHINJI, MARGARET KERAKA AND **JEMIMAH SIMBAUNI** (2017). Health facility factors that influence the use of growth-monitoring clinic services by children aged between twelve and fifty nine months in Rural Machakos County, Kenya. International Journal of

Innovative Research and Advanced Studies 2017: 4(7) 191-197.

- KABUE P., KERAKA M., AND **SIMBAUNI J (2017)**. Utilization of hospital services during delivery among post-natal mothers in Thika Urban and Kangundo rural Counties, Kenya. East and Central Africa Medical Journal 2017: 3(1) 39-45
- GLADYS GAKENIA NJOROGE, JOSEPH K. KOSKE AND **JEMIMAH A. SIMBAUNI (2016)**. A Screening Experiment on Diabetes Mellitus Herbal Formulation. American Journal of Theoretical and Applied Statistics. 2016:5(6)387-394.
- JOHN GITONGA: **JEMIMAH SIMBAUNI**: NICHOLAS OGUGE **(2016)**. Effect of habitat fragmentation on some aspects of reproduction among *Praomys delectorum* sub-population in the Taita and Kyulu Hills, Kenya. International Journal of Advanced Research in Biological Sciences 3 (4):143-151
- NJIRU, J.M., MUHOHO, N., **SIMBAUNI J.A.** and KABIRU, E. **(2016)**. Effects of soil-transmitted helminthes and Schistosoma species on nutritional status of children in Mwea Irrigation Scheme, Kenya. Journal of Applied Life Sciences International 2016 5(1): 1-8, 2016.
- JOHN GITONGA: **JEMIMAH SIMBAUNI**: NICHOLAS OGUGE **(2016)** .Habitat fragmentation and occurrence of intestinal parasites among the *Praomys delectorum* sub-populations in Taita and Kyulu Hills, Kenya. South Indian Journal of Biological Sciences 2016 2(3);354-359.
- DAVID M. KAVILI, **JEMIMAH A. SIMBAUNI**, MICHAEL M. GICHERU AND JUSTER N. MUNGIKIA. **(2016)**. Prevalence and Risk Factors of *Entamoeba histolytica* amongst children Attending Primary Schools in Kyuso Zone, Kyuso District, Kitui County, Kenya. Journal of Applied Life Sciences International 2016 7(1):1-12, 2016.
- CHRISTINE L WANJALA, GUOFA ZHOU, JENARD MBUGI, **JEMIMAH SIMBAUNI**, YAW A AFRANE, EDNAH OTOTO MAXWELL GESUGE, HARRYSONE ATIELI ANDREW GITHEKO and GUIYUN YAN **(2015)**. Insecticidal decay effects of long-lasting insecticide nets and indoor residual spraying

on *Anopheles gambiae* and *Anopheles arabiensis* in western Kenya. Parasites and vectors (2015) 8:588

- JOHN GITONGA, **JEMIMAH SIMBAUNI** AND NICHOLAS OGUGE (2015) Effects of habitat fragmentation on food habits and gastrointestinal tract of *Praomys delectorum* sub-populations in the Taita and Kyulu Hills, Kenya. International Journal of Current Trends in Research (2015)4(1): 63-72
- TIBERRY D.O. NYAKWANA, **JEMIMAH A. SIMBAUNI** AND JAMES O. JOWI (2014). Factors underlying stigmatization of Epilepsy: A comparative case study of Suba and Meru Districts, Kenya. American Journal for Engineering, Technology and Sciences (2014) 9 (1): 88-105.
- BRYSON A NDENGA, **JEMIMAH A SIMBAUNI**, JENARD P MBUGI, ANDREW GITHEKO (2012). Physical, chemical and Biological characteristics in Habitats of High and Low Presence of Anopheline Larvae in Western Kenya Highlands. PLoS ONE.e0047975 doi:10.1371/journal. Pone 0047975.
- BRYSON A NDENGA, **JEMIMAH A SIMBAUNI**, JENARD P MBUGI, ANDREW GITHEKO, URLIKE FILLINGER (2011). Productivity of Malaria Vectors from Different Habitat Types In Western Kenya Highlands. PLoS ONE 6(4): e19473 doi: 10.1371/Journal, pone, 0019473.
- S.K. BOR, **J.A SIMBAUNI**, M.P. OYUGI, W.N. NJUE & S.C CHHABRA, (2007). Organochlorine residues in tissues of marine fauna along the coast of Kenya, Mombasa Island. Bulletin of the Chemical Society of Ethiopia.Vol 21 no.1 2007 pp145-149.
- BOR, S.K., **SIMBAUNI, J.A.**, NJUE, W.N., KINYUA, A.M. & CHHABRA, S.C.(2004). Heavy metal contaminants in tissues of marine fauna along the coast of Mombasa Island-Kenya. East African Journal of Physical Sciences 5(2): 61-68.

1.2.2 Other Publications

- University Text Book for Medical students

TIBERRY D.O. NYAKWANA, **JEMIMAH A SIMBAUNI** AND JAMES JOWI (**2018**). Factors for stigmatization of Epilepsy: Case of Suba and Meru Kenya. Lambert Academic Publishing (LAP) 2018-11-08

- Research Report (Title: Monitoring bird species of Kenyatta University Main Campus and Development of the area checklist.
- SZL 409 Environmental Physiology Module online notes
- SZL 821 Biology of Chemical Mediation Module online notes

1.3 QUALITY TEACHING AND LEARNING

Student-lecturer evaluation results for:

- Second semester 2011/2012 unit SZL 305 total marks 99%
- Second semester 2012/2013 unit SZH 201 total marks 100%
- Trimester 2012/2013 unit SZH 201 total marks 95%

Attended all training sessions organized by the University

1.4 PROFESSIONAL/CONSULTING

- Member of the National Epilepsy Co-ordinating Committee
- Member of the East African Society of Natural History – Nature Kenya
- Served as a member of the Editorial Board for the 2nd National Zoological Postgraduate Students Conference held between 3rd - 6th August 2004 at Kenyatta University.
- Served as a member of the Editorial Board for the 1st National Biological Postgraduate Students Conference held between 2nd - 5th August 2005 at AVU Hall Kenyatta University.
- External examiner in the Department of Zoology, JKUAT (2007-2014).
- Thesis examination JKUAT. (2009).SC Public Health

Title: Factors Associated with The Uptake Of HBC Services Among Rural PLWHA In Narok District, Kenya. By Solomon Ogetii Omariba.

- Ph. D supervision, Moi University 2013-2018. Title: Optimal designs in split-plot mixture process experiments: An application to Diabetes mellitus herbal treatment. Moi University, School of Biological and Physical Sciences. Department of Statistics and Computer Sciences (Gladys Gakenia Njoroge)

1.5 ADMINISTRATION AND RESPONSIBILITIES

1.5.1 Recognized university administrative positions

- 2006 to 2013: Appointed Senior Assistant Registrar in the Academic Division, Admissions Section.
- 2006-2008: Served as admissions officer in JAB and Postgraduate sections.
- 2008- 2013: Appointed Head of Postgraduate and International Undergraduate Student Section in the Academic Division.
- 2009- 2012: Appointed Acting Head, Joint Admissions Board (JAB) Students Section.

1.5.2 Other responsibilities in the university

- 2004 to 2006: Member of examination moderation committee, Department of Zoological Sciences
- 2004 to 2006 : Coordinator of Physiology Courses for both Undergraduate and Postgraduate levels

- 2006: Nominated as departmental representative to School (SPAS) Seminars Committee
- 2006: Served as a member of the School (SPAS) Research Policy Committee
- 2005 & 2010: Member of the University Calendar Preparation Committee
- 2014-2016: Chairman of Postgraduate studies in the Department of Zoological Sciences.
- 2016: Appointed to the University proposal-writing committee.
- 2014 Patron of the Kenyatta University Birding Club (KUBC)
- Mentor in project on Enhancing Girls Participation and Performance in Mathematics, Science and Information Technology at the University level of Education
- 2016 to date: Academic Advisor of level 3 students in the Department of Zoological Sciences

1.6 COMMUNITY ENGAGEMENT AND OTHER CONTRIBUTIONS

- Awarded Vice-Chancellor's Research Grant 2015 Monitoring of Bird species of Kenyatta University Main Campus and development of the area checklist).
- Appointed member of School Board Acacia Plains Academy (2010).
- Donated trophies for District Education Day to regional awards for best performing students/schools in Kakamega District (2008/2009).
- Motivational speaker at Musalala Secondary school, Makueni on Self- esteem and Confidence (2013).

1.7 Referees

1. Dr Rekha R Sharma
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