



CURRICULUM VITAE

Prof. Ng'ang'a Zipporah Waithera (Ph.D)

South Eastern Kenya University

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CURRENT OCCUPATION: Deputy Vice Chancellor (Academic, Research and Student Affairs),
South Eastern Kenya University (SEKU)

ADMINISTRATIVE EXPERIENCE

December 2103 to date: Deputy Vice Chancellor (Academic, Research and Student Affairs),
South Eastern Kenya University

November 2012 to November 2013:
Ag. Principal, College of Health Sciences (COHES),
Jomo Kenyatta University of Agriculture and Technology (JKUAT)

2007 – October 2012: Director, Institute of Tropical Medicine and Infectious Diseases (ITROMID),
Jomo Kenyatta University of Agriculture and Technology (JKUAT)

ACADEMIC QUALIFICATIONS:

2012 Executive MBA (EMBA), Jomo Kenyatta University of Agriculture and Technology

1997 Doctor of Philosophy (PhD), Kenyatta University

1988 Master of Science (MSc), University of Nairobi

1984 Bachelor of Science (BSc), University of Nairobi
(Upper Second Class Honours)

1979 A- Levels Alliance Girls High School

1977 O-Levels Alliance Girls High School

Languages English Excellent
 Kiswahili Good

Other Skills Computer literate in Ms-word, Windows 2000,
 Ms Dos, Sigma Plot, Excel, Page Maker, Harvard Graphics and
 Statistical Analysis Systems (SAS)

OTHER INTERESTS Community participation in needs assessment
 HIV/AIDS
 Gender and Development
 Reproductive Health
 Child Rights
 Counseling and Counseling Skills
 Life Skills
 Enhancement of Science Education in the girl child

EMPLOYMENT HISTORY AND CAREER PROGRESSION

December 2013 to date - Deputy Vice Chancellor (Academic, Research and Student Affairs),
 South Eastern Kenya University (SEKU)

March 2016 to date - Ag. Deputy Vice-Chancellor (Administration and Human Resource
 Management), South Eastern Kenya University (SEKU)

Nov. 2012 – Nov. 2013 - Ag. Principal, College of Health Sciences, Jomo Kenyatta University
 of Agriculture and Technology

2012 - Professor, Jomo Kenyatta University of Agriculture and Technology
 (JKUAT)

2008 – 2012 - Director, Institute of Tropical Medicine and Infectious Diseases
 (ITROMID) Academic and Administrative Head

2007-2011 - Associate Professor, Jomo Kenyatta University of Agriculture and
 Technology
 - Acting Head of Department, Medical Laboratory Sciences, Jomo
 Kenyatta University of Agriculture and Technology

- 2003-2006** - Senior Lecturer, Kenyatta University, Department of Zoology
Departmental Time Tabler, Kenyatta University, Department of Zoology
Coordinator, Immunology program, Kenyatta University, Department of Zoology
- 1990-2002** - Lecturer, Kenyatta University, Department of Zoology
- 1989** - Tutorial Fellow, University of Nairobi

ADMINISTRATIVE AND LEADERSHIP SKILLS

- I am currently in executive leadership at South Eastern Kenya University as the Deputy Vice Chancellor, Academic, Research and Student Affairs and as the Ag. Deputy Vice-Chancellor (Administration and Human Resource Management)
- I have extensive experience in corporate leadership at the former Institute of Tropical Medicine and Infectious Diseases (ITROMID) and College of Health Sciences (COHES), JKUAT.
- I have a high degree of results oriented performance evidenced by the rapid growth of the student numbers and the number of new academic programs, new policies developed since my appointment as Deputy Vice-Chancellor, Academic, Research and Student Affairs, South Eastern Kenya University (SEKU). Previously I oversaw the establishment of the College of Health Sciences at JKUAT.
- I have a successful track record in the management of Human Resource working as the Ag. Deputy Vice Chancellor (Administration and Human Resource Management) at SEKU since March 2016 and previously as Ag. Principal at the College of Health Sciences, JKUAT.

EVIDENCE OF ACADEMIC SCHOLARSHIP

A. NEW ACADEMIC PROGRAMMES DEVELOPED AT SEKU (2014-2015)

- Master of Science in Infectious Disease
- Master of Science in Epidemiology
- Master of Science in International Health
- Master of Science in Public Health
- Bachelor of Science in Nursing
- Bachelor of Science in Public Health
- Bachelor of Population Health
- Bachelor of Project Planning and Management
- Bachelor of Business and Information Technology

B. UNIVERSITY ACADEMIC PROGRAMS DEVELOPED AT JKUAT

While working as Director at the Institute of Tropical Medicine and Infectious Diseases, I was instrumental in proving academic leadership in the development of the following academic programs:-

1. **Bachelor of Medicine and Bachelor of Surgery** – During my tenure as Principal, I provided academic and administrative leadership in development of the Bachelor of Medicine and Bachelor of Surgery program already approved.

I was also highly involved in preparation of Jomo Kenyatta University of Agriculture and Technology for inspection by the Kenya Medical and Dentists Practitioners Board. JKUAT was inspected on the **26th of April, 2013 with success. The first 68 students were admitted in September, 2013.**

2. **Bachelor of Science in Clinical Medicine and Surgery** - Jomo Kenyatta University of Agriculture and Technology has an approved Bachelor of Science in Clinical Medicine and Surgery curriculum approved by the Clinical Officers' Council of Kenya. This was developed and implemented during my tenure as the Acting Principal of College of Health Sciences. I was highly involved in preparations of the College of Health Sciences for inspection by the Clinical Officers' Council of Kenya. The hosts approximately 120 students. **The first batch students were admitted in May, 2013.**
3. **Bachelor of Science in Nursing** - Jomo Kenyatta University of Agriculture and Technology has an approved Bachelor of Science in Nursing curriculum approved by the Nursing Council of Kenya. This was developed and implemented during my tenure as Director Institute of Tropical Medicine and Infectious Diseases. The program hosts approximately 150 students. **The first batch students were admitted in September, 2011.**
4. **Bachelor of Pharmacy** – JKUAT has an approved Bachelor of Pharmacy by the Kenya Pharmacy and Poisons Board. The program hosts approximately 210 students. **The first students were admitted in September, 2010.**
5. **Bachelor of Science in Physiotherapy** – The program was developed in 2010. The program hosts approximately 63 students. **The first batch students were admitted in May 2011.**
6. **Bachelor of Science in Public Health** – Jomo Kenyatta University became the first University to offer Bachelor of Science in Public Health. The program was developed in 2008 and hosts approximately 1,300 full time and part time students and it is recognized and approved by the Association of Public Health Officers of Kenya (APHOK). **The first batch students were admitted in May 2011.**
7. **Bachelor of Science in Community Health Development** - The program was developed in 2008. The program hosts approximately 60 students. **The first batch students were admitted in May 2009.**

C) COMPLETED AND GRADUATED PhD POSTGRADUATES SUPERVISED

1. Mustafa Barasa (PhD Molecular Medicine) **“Cytokine-CpG Motif Oligodeoxynucleotide Co-inoculation in the Murine Malaria Model.” (2016)**
2. LINUS Kirimu Ndegwa (PhD Epidemiology) **“Surveillance of Respiratory Viral Healthcare Associated Infections (RHA) amongst Inpatients in Selected Hospitals in Kenya.” (2016)**
3. JAMES HUNGO Kimotho (PhD Molecular Medicine) **“Development of Elisa Lateral Flow Test Kits for Human Immunodeficiency Virus Guided by HIV ENU Gene in Kenya.” (2016)**
4. CHRISTOPHER Lumuli Imbaya (PhD Public Health) **“Maternal and Pediatric Adherence to Antiretroviral Treatment as a Predictor of the Children’s HIV Serological Status in Nairobi City County, Kenya (2016)**
5. SUSAN GACHERI Muriithi (PhD Public Health) **“Performance of Verbal autopsy in assessing deaths due to Tuberculosis in Siaya County, Kenya. (2015)**
6. IBRAHIM Ismail David (PhD Public Health) **“Effects of Plasmodium Malaria in Epstein Barr Virus (EBV) reactivation during Pregnancy and Subsequent Shedding of EBV in Breast Milk Postpartum”(2015)**
7. ESTHER Njeri Marieta Ndonga (PhD Public Health) **“Effect of Integrating Sexual and Reproductive Health Services and Prevention of Mother to Child Program on Vertical Transmission Among HIV Positive Mothers in Nairobi County, Kenya. (2015)**
8. ERICK Odhiambo Mbata Muok (PhD Molecular Medicine) **“Schistosoms Mansonii associated Immune Reconstitution Inflammatory Syndrome (IRIS) in HIV/Schistosomiasis Co-infected patients Undergoing Highly Active Antiretroviral Therapy (HAART) in Kenya”(2014).**
9. PERPETUAL Wangui Ndungu (PhD in Medical Microbiology) **“Recurrence of Tuberculosis and its association with the emergence of Multidrug resistant strains of Mycobacteria in Nairobi, Kenya”. (2014)**
10. KARANJA, Lawrence Mwangi (PhD in Public Health) **“Determination of Quality of Health Care Offered by Clinical Officers in Kenya: Patients Satisfaction and Performance Assessment”. (2013)**
11. NGURE, Kenneth Kairu (PhD in Public Health) **“Correlates and Barriers of Contraceptive Use Among HIV Discordant Couples in Kenya”. (2012)**
12. MAINA Alice Ngonyo (PhD in Molecular Medicine) **“Sero-Epidemiology and Molecular Characterization of Rickettsiae Infecting Humans, Selected Animals and Arthropod Vectors in Asembo, Western Kenya, 2007-2010”. (2012)**
13. NYAMACHE Anthony Kebira (PhD in Medical Virology) **“Evaluation of HIV-1 Evolution and its Role in Development of Antiretroviral Drug Resistance in Nairobi Cohort”. (2011)**
14. OGILA Kenneth Omondi (PhD in Molecular Medicine) **“Antimicrobial and Immunomodulatory properties of Extracts of Asparagus Setaceus Kunth and Caesalpinia Volkensii Harm”. (2011)**
15. NGURE Peter K. (PhD in Parasitology and Entomology) **“Determination of the antileishmanial activity of components of *Warbugia Ugandensis*” (2010)**
16. WAKIBI Samwuel (PhD in Epidemiology) **“Prevalence and predictors of non-adherence and incidence of treatment failure among patients on free highly active antiretroviral therapy in Nairobi, Kenya” (2010)**

17. MICHAEL Kibet Kiptoo (PhD Immunology) **“Antiretroviral resistance and genetic diversity of human immunodeficiency virus among antenatal clinic respondents on Nevirapine Regimen from North Rift Kenya”**. (2009)

D) MASTERS STUDENTS SUCCESSFULLY SUPERVISED

1. EDWARD Karuri Kamande (MSc Public Health) **“Prevalence and Intensity of Intestinal Parasitic Infectious and the Associated Factors Among School going Children, A Case of Muthithi Ward, Murang’a County, Kenya”**. (2016)
2. PHILLIS Wangima Njoroge (MSc Public Health) **“Factors Influencing Uptake of Contraceptive Services among Undergraduate Students aged 18-35 Years at JKUAT, Kenya”**. (2016)
3. LILLY Alice Murugi Njue (MSc Molecular Medicine) **“Determination of the Optimum Sample Dilution of Commercial Total Immunoglobulin G Eliza, the Total Anti Measles Immunoglobulin G in HIV Infected Pregnant Women”**. (2016)
4. AGGREY Gisiora Mokaya (MSc Public Health) **“Effects of Web-Based Training in Prevention and Management of Substance use Disorders on Structural Stigma among Healthcare Workers in Selected Facilities in Nairobi, Machakos and Makueni Counties, Kenya.”** (2016)
5. LUCY Obonyo Nyang’au (MSc Medical Microbiology) **“First Line Anti-TB Drug Resistance Among HIV Infected Patients Attending Comprehensive Health Care Centre, Nairobi, Kenya.”** (2016)
6. JACQUELINE Wairimu Thiga (MSc Molecular Medicine) **“Seroprevalence of Spotted Fever, Typhus and Scrub Typhus Group Rickettsioses among Patients with Acute Febrile illness in Kenya.”** (2015)
7. ROSEMARY Wairimu Kamau (MSc Public Health) **“Determinants of Risky Sexual and Reproductive Health among Street Adolescents in Dagoretti Sub-County, Kenya.”** (2015)
8. BIDII Stephen Ngala (MSc Molecular Medicine) **“Major genome region under artemisinin resistance in malaria parasite isolates from Kisumu County, Western Kenya.”**(2015)
9. RAHMA Abdullahi Abikar (MSc Epidemiology) **“Factors associated with uptake of skilled birth attendants’ services among women of reproductive age in Garisa Town, North Eastern Kenya.** (2015).
10. ALICE Njoki Mwangi (MSc Epidemiology) **“Factors Influencing Adherence to ARV’s Among Patients Attending Comprehensive Care Clinic at Jomo Kenyatta University of Agriculture and Technology.”** (2015)
11. CAROLINE Njeri Ngunu (MSc Epidemiology) **“Factors Determining Level of Injury Severity Among Motorcycle Crash Victims Attending Thika Level 5 Hospital, Kiambu County., Kenya.** (2015)
12. CAROLINE Wanjiru Mwihoti (MSc Public Health) **“Factors Influencing Patients Satisfaction with HIV/AIDS Care at Mbagathi District Hospitals Comprehensive Care Centre, Kenya.** (2015)

13. DOMINIC Mutunga Mutua (MSc Public Health) **“Factors Associated with Active Trachoma in Children Aged One to Nine Years in Samburu Sub County, Kenya. (2015)**
14. EDITH Chepkorir (MSc Epidemiology) **“The Effect of Rearing Temperature on the Vector Competence of Aegypti Mosquito Populations from Kilifi and Nairobi Counties for Dengue-Virus. (2015)**
15. PATRICIA Kwamboka Ochenge (MSc Public Health) **“Determinants of Health Problems Among Street Children in Dagoreti Sub-County, Nairobi, Kenya. (2014)**
16. PHOEBE Mutila Kisavi (MSc Public Health) **“Prevalence and Factors Associated with Soil Transmitted Helminth Infection Among Primary School Children in Kikumini Sub-Location Machakos County Kenya.” (2014)**
17. PAUL Ochieng Ogongo (MSc Molecular Medicine) **“Identification and Validation of Candidate Vaccine Antigens for Schistosomiasis Control in the Baboon Model”. (2014)**
18. ONG’ONDO Bernard Osero, (MSc in Molecular Medicine) **“Validation of the Expression Levels of Genes in the Insulin Signaling Pathway Associated with Resistance to HIV Infection in a Highly Exposed Uninfected Commercial Sex Worker Cohort in Nairobi” (2013)**
19. BARTONJO, Grace, (MSc in Laboratory Management and Epidemiology) **“Prevalence and Factors Associated with Transfusion Transmissible Infection Among Blood Donors at Regional Blood Transfusion Center Nakuru and Tenwek Mission Hospital, Kenya” (2013)**
20. MONG’ARE Samuel, (MSc in Animal Parasitology) **“Determination of Effects of Rarchonanthus Camporatus, Acalypha Fruticosa and Tagetes Minutacrude Extracts on the Vectorial Capacity of Phlebotomus Duboscqui” (2012)**
21. KITTUR, Nerry Jepchirchir, (MSc in Public Health) **“Factors Associated with Uptake of voluntary Counselling and Human Immunodeficiency Testing Among Pregnant Women Attending Antenatal Clinic At Kenyatta National Hospital, Kenya” (2012)**
22. SICHANGI, Sammy Sichangi, (MSc in Medical Virology) **“Isolation and Molecular Characterization of Human Metapneumovirus from Children with Acute Respiratory Tract Infections at Kenyatta National Hospital, Kenya in 2008” (2012)**
23. GACHARI, Wilson Muriuki, (MSc. In Applied Epidemiology) **“Documentation of Forensic Evidence in ‘P3: Medical Legal Reports of Sexual Assault Survivors, Naivasha District, Kenya” (2012)**
24. AHENDA, Petronella Ahenda, (MSc. In Medical Microbiology) **“Prevalence and Epidemiology of Enteric Viruses in Children Attending Lwak Mission Hospital in Asembo, Western Kenya” (2012)**
25. OTTARO, Anita Amukhuma (MSc in Public Health) **“Schistosoma haematobium and Other Anaemia-Causing Parasites in Infants and Pre-School Children in Selected Villages in Kwale and Tana River Counties, Coastal Kenya and Their Effect on Haemoglobin Levels” (2012)**
26. GACHARI Wilson Muriuki (MSc in Applied Epidemiology) **“Documentation of Forensic Evidence in ‘P3’ Medical Legal Reports of Sexual Assault Survivors, Naivasha District, Kenya ” (2012)**

27. AHENDA, Petronella Achieng (MSc in Medical Microbiology) **“Prevalence and Epidemiology of Enteric Viruses in Children Attending Lwak Mission Hospital in Asembo, Western Kenya” (2012)**
28. KITHUKA, Nesidai Beatrice Amy (MSc in Epidemiology) **“Factors Associated with Condom use Among Students At Jomo Kenyatta University of Agriculture and Technology” (2012)**
29. ABDIRIZAK, Mohamed Ismail (MSc in Laboratory Management and Epidemiology) **“Epidemiology of Crimean Congo Hemorrhagic Fever Virus and West Nile Virus among Febrile Patients in Ijara and Garissa Districts Kenya” (2012)**
30. THURANIRA, Martin Kirimi (MSc in Applied Epidemiology) **“Prevalence and Associated Factors for Peripheral Neuropathy Among Patients on Stavudine Attending Meru District Hospital Comprehensive Care Centre, Kenya” (2012)**
31. KIBIRU, Andrew Benjamin Nguri (MSc in Public Health) **“Risk Factors Influencing Typhoid Fever Occurrence Among The Adults in Maina Slum, Nyahururu Municipality, Kenya” (2011)**
32. MWANGI, Emmah Nyambura (MSc in Public Health) **“Socio-demographic and lifestyle factors associated with spontaneous abortion among women attending Thika District Level V Hospital, Kenya” (2011)**
33. MBAISI Everline Muhonja (MSc in Applied Epidemiology) **“Prevalence and factors associated with percutaneous injuries and splash exposures among health-care workers in Rift Valley Provincial and war memorial hospitals, Kenya” (2011)**
34. OCHWOTO Jeremiah Missiani (MSc in Medical Virology) **“Hepatitis B, Hepatitis C, HIV co-infections and Hepatitis B virus genotypes among patients in the liver clinic at Kenyatta National Hospital, Nairobi”. (2011)**
35. OKOTH Evans Ouma Raballah (MSc in Immunology) **“Association between Interferon-Gamma Promoter-183 (G/T), 1616 (A/G) and Intronic-2200 (A/G) variants and Malarial Disease outcomes in children exposed to *Plasmodium falciparum*”. (2011)**
36. KING'ORI, Joyce Kananu (MSc in Public Health) **“Social and Service Delivery factors associated with compliance and outcomes of Tuberculosis treatment, in an urban slum, Nairobi, Kenya”. (2011)**
37. INDETIE Annah Hoka (MSc in Immunology) **“Milk progesterone levels as indicators of reproductive deficiencies among dairy cows at Kari and Manera farms in Nakuru District, Kenya”. (2010)**
34. LADO, Edward Quirino Bepo, (Msc Laboratory Management and Epidemiology) **“Determinants of ownership and use of Insecticide treated nets in Juba, Southern Sudan”. (2010)**
38. AKOL, Johnson Mayik, (Msc Laboratory Management and Epidemiology) **“Seroprevalence and factors associated with HIV and Hepatitis B Virus among patients attending Juba Teaching Hospital in Southern Sudan”. (2010)**
39. GITAU, Alfred Mutu, (Msc Mycology) **“Mycological Infection among Diabetic Foot Ulcer-patients Attending Diabetic Clinic at Kenyatta National Hospital, Kenya”. (2010)**

40. OSORO, Eric Mogaka, (Msc Applied Epidemiology) **“Characteristics and factors associated with Road Traffic Injuries in patients attending Thika Level 5 Hospital, Kenya”**. (2010)
41. KAGIA, Carol Wanjira, (Msc Public Health) **“Delivery Practices and Associated Factors Among Mothers Attending MCH Clinics at Selected health Facilities in Nyandarua South District, Central Kenya”**. (2010)
42. DENG Abuoi Arok, (Msc Laboratory Management and Epidemiology) **“Risk Factors for Acute Lower Respiratory Tract Infections in Children under Five Years of Age in Juba, Southern Sudan”**. (2009)
43. OMARIBA, Solomon Ogetti, (Msc Public Health) **“Factors Associated with the uptake of homebased care services among rural people living with HIV/AIDS in, Narok District, Kenya”**. (2010)
44. MBITHI, Agneta Mutinda, (Msc Applied Epidemiology) **“Effects of Post-Election Violence on HIV Patients Care and Treatment in selected Districts in Central, Nyanza and Rift Valley Provinces, Kenya, 2008”**. (2009)
45. NYANGENA, Cliff Okioma, (Msc Public Health) **“Prevalence of HIV Testing Status and Factors Associated With its Utilization Among Patients Attending the Casualty Clinical at Mbagathi District Hospital – Nairobi, Kenya”**. (2009)
46. MAINA, Teresia Njeri, (Msc Immunology) **“Performance of Dynabead Technique Compared to Facs Techniques in Enumeration of CD4+ T Cells in HIV Positive Patients Attending Mbagathi Hospital, Nairobi”**. (2009)
47. WACHIRA, Dorcas Wangui, (Msc Immunology) **“Determination of Chemokine Co-Receptor 2 (CCR2) Gene Polymorphism from HIV-1 Infected Patients in Kenya”**. (2009)
48. MWAPAGHA, Lamech Malagho, (Msc Molecular Medicine) **“Characterization of Polymorphisms of the CX3CR1 Co-receptor Gene among HIV infected Adults and Infants in Nairobi Province, Kenya”**. (2009)
49. LAKO, Richard Lino Loro, (Msc Applied Epidemiology) **“Knowledge, Attitude and Perception of Human African Trypanosomiasis in Lui Hospital, Western Equatoria State of Southern Sudan”**. (2009)
50. NDERITU, Leonard Maina, (Msc Applied Epidemiology) **“Molecular Characterization of Rift Valley Fever Virus during the East African Outbreak, 2006-2007”**. (2009)
51. SITATI, Concepta Nekesa W., (Msc Immunology) **“Effectiveness of Anti-Retroviral Treatment and Nutrition among HIV infected Patients at Eldoret-Kenya”**. (2009)
52. MUGWE, Jane Nyambura (Msc Immunology) **“The Effects of Antiretroviral Drugs on CD4 Cells and Viral Load in HIV Positive Patients attending Nakuru General Hospital, Kenya”**. (2009)
53. ABE, Gordon Abias (MSc Lab Management) **“Geneva and antibiotic susceptibility patterns of bacteria causing diarrhea among children less than five years old attending Juba teaching hospital, Southern Sudan”**. (2009)

54. MEEME, Cisily Kananu (Msc Molecular Medicine) **“Molecular Characterization of HIV-1 drug resistance mutations among ARV- treated female commercial sex workers in a Nairobi cohort”**. (2009)
55. MUNENE, Rose Mbuthu (Msc Immunology) **“Pattern of Cytokine Secretion by Individuals Living in a Malaria Endemic Area of Western Kenya”**. (2008)
56. MOSHA, Fausta Shakiwa, (Msc Applied Epidemiology) **“Occurrence of Antiretroviral Drug Resistance Among Human Immunodeficiency Virus Patients Attending Antiretroviral Clinical in Muhimbili National Hospital, Dar-es-Salaam, Tanzania, 2007”**. (2008)
57. WAIGANJO, Naomi Njoki, (Msc Immunology) **“Development and Comparison of Captive Enzyme-linked Immunosorbent Assay and Indirect Immunofluorescent Test in Detection of Nairobi Sheep Disease Virus”**. (2008)
58. GITHINJI, Peris Wanjiru, (Msc Public Health) **“Sexual Abuse of Children: A Study of Primary School Pupils in Nakuru Municipality, Kenya”**. (2008)
59. KIMANI, Domtila Wangui, (Msc Immunology) **“Identification of Potential Epitopes for the Design of HIV-1 Vaccine in Kenya”**. (2008)
60. MWENDE, Patricia Nzilu, (Msc Public Health) **“Assessment of the Needs of Orphaned and Vulnerable Children within Central Division, Mwingi District, Kenya”**. (2008)
61. MUNYAO, James Muli, (Msc Immunology) **“Transfection and Characterization of Plasmodium Knowlesi Malaria Parasites Genetically Modified to Express Host Interferon Gamma (IFN γ) In Baboon (PAPIO ANUBIS)”**. (2008)

I have in addition over 10 MSc. and 5 PhD students currently carrying out their research.

D) EXTERNAL EXAMINATION

1. External Examiner for the Master of Science in Parasitology and Immunology, University of Eldoret.
2. External Examiner for the Master of Science in Parasitology, Makerere University.
3. External Examiner for the Master of Science in Parasitology and Immunology, Kenyatta University.
4. External Examiner for the Master of Science in Parasitology and Immunology, College of Biological Sciences, University of Nairobi.
5. Served as External Examiner for Master and M. Phil Thesis for Maseno University.
6. External Examiner for the Master of Science in Parasitology and Immunology, Moi University

E) CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED

1. 2015: Sustainable approach to Livelihood Improvement through Innovative Agricultural Practices in Kenya (ASALI). 1st workshop on questionnaire development. Kenya School of Government.
2. 2015: Sustainable approach to Livelihood Improvement through Innovative Agricultural Practices in Kenya (ASALI). Project Progress Review Workshop, KEFRI Kitui.

3. 2012: AAU-EASRN TOT Workshop on HIV mainstreaming and Integration into Curriculum – Kenyatta University Conference Centre.
4. 2012: Expanding Science and Technology Frontiers for Quality Education Training and Research for Sustainable Development Workshop; Madrid Spain.
5. 2012: Second Annual Deans and Directors at Higher Educational Institutions’ workshop in Johannesburg, South Africa.
6. 2012: Dissemination Workshop of the HIV Sero-behavioural studies conducted by the EAC/AMREF Lake Victoria HIV and AIDS Partnership (EALP) Program.
7. 2010: Fifth African Regional TEPHINET and Third AFENET Scientific Conference; Mombasa Kenya.
8. 2009: Second AFENET Scientific Conference, Kuala Lumpur, Malaysia.
9. 2008: Evaluation of Integration of HIV and AIDS in the teaching of University curricular for Universities in Kenya. Status: Resource person.
10. 2008: Evaluation of Integration of HIV and AIDS in the teaching of University curricular for Universities in Ghana. Status: Resource person.
11. 2008: Evaluation of Integration of HIV and AIDS in the teaching of University curricular for Universities in Botswana. Status: Resource person.
12. 2008: Evaluation of Integration of HIV and AIDS in the teaching of University curricular for Universities in Rwanda. Status: Resource person.
13. 2007: Integration of HIV and AIDS in the teaching of University curricular. Faculty of Engineering, Jomo Kenyatta University of Agriculture and Technology, Kenya. Status: Resource person.
14. 2007: Integration of HIV and AIDS in the teaching of University curricular. Faculty of Science. Jomo Kenyatta University of Agriculture and Technology, Kenya. Status: Resource person.
15. 2007: Higher Education Science and curricular reforms: African Universities responding to HIV and AIDS. In country training Workshop, University of Botswana, Botswana. Status: Resource person.
16. 2007: Higher Education Science and curricular reforms: African Universities responding to HIV and AIDS. In country training Workshop, Kigali Institute of Science and Technology, Kigali, Rwanda. Status: Resource person.

F) PUBLICATIONS

1. Perpetual W. Ndungu, Samuel Kariuki, Gunturu Revathi, **Zipporah Ng’ang’a**, Stefan Niemann (2017). Mycobacteria Interspersed Repetitive Units-Variable Number of Tandem Repeat, Spoligo typing and Drug Resistance of Isolates from Pulmonary Tuberculosis Patients in Kenya. *Advanced in Microbiology*, 2017,7

2. M.N. Mwangi, G. Wamue-Ngare, J. Muyonga, Z.W. Ng'ang'a, A. Manyama (2016). Adoption of Banana Improvement Technologies to Curb the HIV-Povert-Malnutrition Cycle. *10.17660/ActaHortic.2016.1128.7.*
3. Titus N. Kioko, **Zipporah Ng'ang'a**, Prof. Mohammed Karama (2016). Determination of Vaccination Status of Children Aged 12-23 Months in Katheka Kai Location, Machakos County. *Prime Journal of Social Science (PJSS) Vol. 5(3), pp. 1323-1332.*
4. Johana Kiplagat Too, Willy Kipkemboi Sang, **Zipporah Ng'ang'a** and Musa Otieno Ngayo (2016). Fecal Contamination of Drinking Water in Kericho District, Western Kenya: Role of Source and Household Water Handling and Hygiene Practices. *Journal of Water and Health 14.4*
5. Joseph Muriuki, **Zipporah Ng'ang'a**, Raphael Lihana, Raphael Lwembe, Joseph Mwangi, Matilu Mwau (2016). An in vitro Evaluation of Drugs Used in The Kenyan ART Program. *Pan African Medical Journal-ISSN:1937-8688.*
6. Victor Irungu Mwangi, Ruth M. Mumo, Daniel M. Kiboi, Sabah A. Omar, Zipporah W. Ng'ang'a, Hastings S. Ozwara (2016). *Methylene blue inhibits lumefantrine-resistant Plasmodium berghei.* *J Infect Dev Ctries;10(6):635-642.*
7. Athman Juma Mwatondo, Zipporah Ng'ang'a, Caroline Maine, Lyndah Makayotto, Moses Mwangi, Ian Njeru, Wences Arvelo (2016). Factors associated with Adequate Weekly Reporting for Disease Surveillance Data Among Health Facilities in Nairobi County, Kenya, 2013. *Pan African Medical Journal. 2016;23:165*
8. Adam Haji, S. Lodther, **Z. Ng'ang'a**, Z. Gura, C. Tabu, H. Sandhu and Wences Arvelo (2016). Reducing Routine Vaccination Dropout Rates: Evaluating Two Interventions in Three Kenyan Districts, 2014. *BMS Public Health 16.152.*
9. Lilian Nyandieka, Mercy Njeru, **Zipporah Ng'ang'a**, Elizabeth Echoka, Yeri Kombe (2016). Male Involvement in Maternal Health Planning Key to Utilization of Skilled Birth Services in Malindi Subcounty, Kenya. *Advances in Public Health Vol. 2016,Article ID 5608198, 8 pages*
10. Mong'are Samuel, **Ng'ang'a Zipporah**, Ngumbi Philip, Johnstone Ingonga, Ngure Peter (2016). Ovicidal and Larvicidal Effects of Ricinus communis L.(Euphorbiaceae) Extracts on Phlebotomus duboscqi. *European Journal of Medicinal Plants 11(3):1-14,2016 Article no.EJMP.22241*
11. Muriithi D., Ng'ang'a Z., Mukoko D., Njomo D.W., (2015) The Influence of Social Support on the Utilization of Health Care Services by Patients with Chronic Lymphatic Filariasis in Goshi Location, Malindi Sub-County, Kenya. *African Journal of Health Sciences, Volume 29, Number 4,*
12. Kamande EK, Z.W. Nganga, L.N.Muthami and J.H. Ouma, (2015). Prevalence and Intensity of Intestinal Parasitic Infections and Factors Associated with Transmission Among School Going Children. *East African Medical Journal, Vol.92 No. 6 June 2015*
13. Barasa Mustafa, Ndeti Muia, Wanjala Christine, Ingonga Mwihwa Johnstone, Osero Bernard, Sarah Shinoko Muonga, Wanyonyi Khakasa, Frankline Tireito, Drinold Mbete, **Zipporah Ng'ang'a**, Anjili Christopher (2015). Cytokine-CpG Motif Oligodeoxynucleotide Co-Inoculation in BALB/c Mice infected with Plasmodium berghei ANKA Strain. *Journal of Medical and Biological Science Research Vol.1(10), pp.145-161*

14. Mong'are Samuel, **Ng'ang'a Zipporah**, Ngumbi Philip, Johnstone Ingonga, Ngure Peter (2015). Comparative Analysis of the Effectiveness of Sand Fly Traps with Different Baits. e-ISSN:2278-3008,p-ISSN:2319-7676, Vol 10, issue 4 ver.II
15. Masese AB, **Ng'ang'a Zipporah**, Kharama M. (2015). Knowledge on Human Papilloma Virus and Acceptability of Human Papilloma Virus Vaccine among Mothers seeking Maternal-Child Health Services at Mbagathi District Hospital, Nairobi, Kenya. *Afr J Health Sci.*2015;28(2):185-212
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G) REVIEW OF PROPOSALS AND JOURNALS

1. I have been a Peer Reviewer of Masters, Ph.D. and Postdoctoral proposals under the Science and Technology Innovation grant for the National Council for Science and Technology. (JAGST)
2. I am also a reviewer of the Journal of Agriculture Science and Technology, JKUAT.

H) ACADEMIC EXCHANGE

I have been to University of Wales Institute, Cardiff as a visiting Scholar in the school of Public Health for a period of 2 months.

MEMBERSHIP AND AFFILIATIONS TO PROFESSIONAL BODIES

- Member, FAWE Forum for African Women Educationists
- Member, ARPPIS Scholars Association (ASA)
- Member, AAIS The African Association of Insect Scientists
- Member, KEPAWAE Kenya Professional Association of Women in Agriculture and Environment
- ◆ Member, AWSE African Women in Science and Engineering
- ◆ Member, INWES International Women Engineers and Scientists
- ◆ Member Kenya National Academy of Sciences
- ◆ Member Kenya National Biosafety Association

COMMUNITY SERVICE

1. Church Elder: ACK St Andrews Church
2. People's Warden - ACK St Andrews Church
3. Member of Diocesan synod – Diocese of Nairobi
4. Member of BOG – Gatura Girls, Kirwara Boys

RESEARCH GRANTS RECEIVED

2014: A Sustainable approach to Livelihood Improvement through Innovative Agricultural practices in Kenya (ASALI). A collaborative project among Vrije Universiteit Amsterdam, Moi and SEKU. Total budget 1.1 million Euros; SEKU budget 350,000 Euros.

- 2013 :** National Institutes of Health grant on the “Seroprevalence and incidence of brucellosis among humans and domestic animals and the circulating Brucella serotypes in Kenya amounting USD 50,000
- 2012:** Family Health International (FHI) Grant amounting to Kshs.4,500,000/=; Entitled “Condom Distribution in Kenya”
- 2009:** Research, Production and Extension (RPE) Grant amounting to Kshs.3,500,000/-; Entitled: “Socio-Economic Effects of HIV and AIDS on Households and its Impact on Nutrition of People Living with AIDS and Orphaned and Vulnerable Children in Thika District, Kenya”.
- 2009:** The Inter-University Council for East Africa (IUCEA) Grant amounting to USD50,000 Entitled: “Banana tissue culture and nutrient enhancement for food security and income generation among people living with AIDS in the Lake Victoria basin”
- 2007:** TDR Project ID A50205
“The use of non-human primate models for research in tropical diseases”

INTERNATIONAL TRAVEL AWARD

Travel grant - International Conference of Women Engineers and Scientists, Buran, Korea

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