

CURRICULUM VITAE



A: BIODATA

NAME: ROSE MUYOKA KAKAI
CITIZENSHIP: Kenyan
E-mail: kakairm@yahoo.com

B: EDUCATION BACKGROUND

1995 PhD. (Medical Microbiology), University of Nairobi
1984 MSc. (Medical Microbiology), University of London
1980 BEd (Sc.) Botany and Zoology, University of Nairobi

C: PROFESSIONAL EXPERIENCE

2013 Professor, Medical Microbiology, Maseno University.
2010 Associate Professor, Medical Microbiology, Maseno University.
2003 Senior Lecturer, Medical Microbiology, Maseno University.
1997 Lecturer, Medical Microbiology, Moi University.
1980 Microbiologist, Ministry of Health, Kenya.

D: ADMINISTRATIVE RESPONSIBILITIES

2011 Chairperson, Medical Microbiology Department, School of Medicine, Maseno University.
2009 Head, Public Health Programmes, School of Public Health & Community Development, Maseno University.
2004 Head, Public Health Programmes, School of Public Health & Community Development, Maseno University.
2003 Head, Department of Medical Microbiology and Parasitology, School of Medicine, Moi University.

E: EXTERNAL EXAMINER APPOINTMENTS

2015 External Examiner, School of Medicine, Community Based Education and Service (COBES), Moi University.
2015 External Examiner, School of Health Sciences, Department of Medical Laboratory Sciences, Mount Kenya University.
2014 External Examiner, School of Pure and Applied Sciences, Department of Microbiology, Kenyatta University.

- 2010 External Examiner, School of Medicine, Department of Medical Microbiology and Parasitology. Moi University.
- 2009 External Examiner, School of Health Sciences, Department of Medical Laboratory Sciences, Kenyatta University.

F: ACADEMIC RESPONSIBILITIES

Teaching and research supervision for undergraduate and postgraduate students undertaking the following courses: BSc. Biomedical Science, BSc. Nursing Science, Medicine (MChB), BSc. Medical Laboratory Science, BSc. Environmental Health, MSc. & PhD. in Medical Microbiology, MPH and PhD in Public Health.

G: SELECTED PUBLICATIONS in the past five years

1. Scolastica C. Korir, **Rose Kakai**, Hosea M. Akala, Ayub Ofulla (2016). In-vitro activity of artemether, lumefantrine, dihydroartemisinin and piperaquine against Plasmodium falciparum clinical isolates transported in a formulated transport medium and EDTA from Chulaimbo sub-county Hospital. *Journal of Natural Sciences Research* www.iiste.org ISSN 2224-3186 (Paper) ISSN 2225-0921 (Online) 6 (9): 1 – 6.
2. Scolastica C. Korir, **Rose M. Kakai**, Hosea M. Akala (2016). Comparison of a Formulated Transport Medium and EDTA Anticoagulant in Kenyan Field Isolates from Maseno Division Against a Panel of Antimalarials Using SYBR Green I Technique. *Advances in Life Science and Technology*. www.iiste.org ISSN 2224-7181 (Paper) ISSN 2225-062X (Online) Vol.44: 7 -12.
3. Scolastica C. Korir, **Rose M. Kakai**, Hosea M. Akala (2016). Sensitivity of 3D7 and W2 Clones in a Formulated Transport Medium and EDTA Anticoagulants against a Panel of Antimalarials. *Journal of Biology, Agriculture and Healthcare* www.iiste.org ISSN 2224-3208 (Paper) ISSN 2225-093X (Online), 6 (10): -13
4. Onyango AC, Walingo MK, Mbagaya G, **Kakai R.** (2015). Nutrient Intake and Immune Status of HIV Sero-positive Patients in a Comprehensive Care Clinic at Chulaimbo Sub-district Hospital, Kenya. *Journal of Food and Nutrition Sciences*. 2015; 3(6): 209-215. Published online October 26, 2015 (<http://www.sciencepublishinggroup.com/j/jfns>). doi: 10.11648/j.jfns.20150306.12 ISSN: 2330-7285 (Print); ISSN: 2330-7293 (Online).
5. **Kakai R**, Odongo LA, Ofulla AV, Wachana R. (2014). Malaria and Human Immunodeficiency Virus among Women Attending a Postnatal Clinic in Kenya. *Public Health Research*. Vol. 4, No. 6, Page: 219-224. Scientific & Academic Publishing. e-ISSN: 2167-7247. DOI: 10.5923/j.phr.20140406.01
6. Rono SJ, **Kakai R**, Esamai F, Mibei E, Odundo E. (2014). Pathotypes and virulence markers in Escherichia coli associated with diarrhoea among HIV seropositive and seronegative children below five years in western Kenya. *European Scientific Journal* Vol.10, No.27 Page 180 – 198. ISSN: 1857 – 7881. (Print) eISSN 1857 -7431. European Scientific Institute.
7. Rono SJ, **Kakai R**, Esamai F, Chebore S, Kimutai A. (2014). Antibiotic Profiles of Bacterial Enteropathogens associated with Diarrhea among HIV Positive and Negative Patients aged below five years in Western Kenya. *Journal of Medical Science and Clinical Research*. Vol. 2, No. 9, Page 2345-2356. ISSN (e)-2347-176x. IGM Publication.
8. Rono SJ, **Kakai R**, Esamai F. (2014). Prevalence and Clinico-Demographic Characteristics Associated with Bacterial Diarrhea among HIV Positive and Negative Children Aged Below

Five Years at Moi Teaching and Referral Hospital, Kenya, *American Journal of Life Sciences*. Vol. 2, No. 5, pp. 1-8. ISSN: 2328-5737 (Online) Science Publishing Group. doi: 10.11648/j.ajls.s.20140205.11

9. Onyango AC, Walingo MK, Mbagaya G, **Kakai R. (2014)**. Nutrient Intake, Nutrient Status and Pattern of Infections in HIV Sero-Positive Patients in Chulaimbo Sub-District Hospital, Kenya. *Journal of Food and Nutrition Sciences*. Vol. 2 No. 4 Pages 117-123. Published online June 30, 2014 (<http://www.sciencepublishinggroup.com/j/jfns>). doi: 10.11648/j.jfns.20140204.14
10. Nyaberi JM, **Kakai R**, Obonyo CO, Othoro D **(2014)**. Perceived Occupational Risk of Infection among Hospital Mortuary Attendants in Nyanza Province, Kenya. *International Journal of Innovative research and Studies*. Vol. 3 No. 6, pages 487 – 498, ISSN 2319 - 9725 **Available at: http://www.ijirs.com/vol3_issue-6/38.pdf**
11. Wandera MN, Onyango RO, **Kakai R. (2014)**. Determinants of clients' satisfaction with healthcare services at Pumwani Maternity Hospital in Nairobi – Kenya. *International Journal of Social and Behavioural Sciences* Vol. 2 No. 1, pages. 11 – 17, ISSN 2327 - 719X ©2014 Academe Research Journals **Available at: <http://www.academereseearchjournals.org/journal/ijbsbs>**
12. Onyuka JHO, **Kakai R**, Ofulla AVO **(2014)**. Bacterial contamination dynamics and fungal contamination levels of *Rastrineobola argentea* and *Oreochromis niloticus* fish from Lake Victoria Basin of Kenya. *The Journal of Food Technology*. Vol. 106, Pages 179 – 188. ISJN 3852 – 1875 Photon.
13. Onyuka JHO, **Kakai R**, Arama PF, Ofulla AVO. **(2013)**. Comparison of antimicrobial activities of brine salting, chlorinated solution and *Moringa oleifera* plant extracts in *Rastrineobola argentea* and *Oreochromis niloticus* fish from Lake Victoria basin of Kenya. *African Journal of Food, Agriculture, Nutrition and Development (AJFAND)* Vol. 13 No. 3 Pages 7772 - 7788. ISSN 1684 5374 (online). Bioline International. **Available at: <http://journals.uonbi.ac.ke/ajpt>**

H: POSTGRADUATE SUPERVISION

SUPERVISED THESES AND YEAR OF GRADUATION in the past five years

PhD

1. Korir Scolastica Chepngetich. Evaluation of a new *in-vitro* antimalarial drugs sensitivity testing technique for routine clinical use and pharmacoepidemiology at Chulaimbo sub county hospital in Kisumu. Maseno University. Dec **2017**.
2. Masinde R. David. Evaluation of social-economic returns on investment for national total sanitation programme in Busia county, Kenya. Maseno University. Dec **2017**.
3. Rono Salinah Jeptoo. Prevalence, molecular pathotypes, clinical outcomes and antibiotic profiles of *Escherichia coli*, *Salmonella* and *Shigella* from diarrhoea inpatients aged below five years at Moi Teaching and Referral Hospital. PhD thesis. Maseno University. Dec **2015**.

MSc

1. Ouma Florence Awino. Prevalence, source tracking and antimicrobial susceptibility of selected pathogenic bacteria in street vended foods sold in Kisumu City, Western Kenya. Dec. **2015**.

MPH

1. Osinde Alice Kemuma Infant feeding challenges encountered by HIV positive mothers in Korogocho slums, Nairobi. Dec **2014**.
2. Were A. Alice. Factors that influence the choice of birth control methods for women living with HIV and AIDS in Trans Nzoia district. Dec. **2014**.

I: WORKSHOPS AND CONFERENCES

Conference: Proceedings of the 2018 International Women in Science Without Borders (WISWB) – Indaba. Johannesburg, South Africa

Conference presentations in the past five years

1. Ongwae Z. H., Mwamburi L. **Kakai R.** Multiple drug resistance of *Campylobacter jejuni* and Shigella isolated from diarrhoeic children aged under five years admitted at Kapsabet County Hospital, Kenya. Conference Proceedings of the 2018 International Women in Science Without Borders (WISWB) – Indaba. Johannesburg, South Africa, June **2018**.
2. **Kakai R.** Antimicrobial stewardship where there is no laboratory support. The 4th IPNET-Kenya/GARP Antimicrobial Stewardship Workshop. Enashipai Hotel, Naivasha, Kenya. 21 – 22 November **2015**.
3. Bwire GW, **Kakai R**, Onyango RO. Knowledge and practice of neonatal cord care associated with infection prevention among mothers in rural settings of Butula District, Kenya. The 4th IPNET-Kenya/GARP Regional IPC Scientific Conference, Enashipai Hotel, Naivasha, Kenya. 17 – 20 November 2015.

Workshops and conferences attended in the past five years

1. Maseno University. School of Medicine Strategic Plan Workshop. Kisumu Hotel, Kenya. 12th January 2016.
2. The 4th IPNET-Kenya/GARP Antimicrobial Stewardship Workshop. Enashipai Hotel, Naivasha, Kenya. 21 – 22 November **2015**.
3. The 4th IPNET-Kenya/GARP Regional IPC Scientific Conference, Enashipai Hotel, Naivasha, Kenya. 17 – 20 November **2015**.
4. Disease-specific Diagnostic Enhancement Program (DDEP), Technical Advisory Group (TAG) workshop. Silver Springs Hotel, Nairobi. 18th February, **2014**.