

CURRICULUM VITAE



PERSONAL DETAILS

NAME: Gregory Okonya Sakwa
DATE OF BIRTH: 25th July, 1975
NATIONALITY: Kenyan
MARITAL STATUS: Married
CORRESPONDENCE ADDRESS: Masinde Muliro University of Science and Technology
School Of Nursing, Midwifery and Paramedical Sciences
P. O. Box 190, 50100, Kakamega
PERMANENT ADDRESS: 797, 50102, MUMIAS
MOBILE PHONE NUMBER: 0722661575,
E-mail; gsakwa@mmust.ac.ke
okonyags6@gmail.com

PRESENT POSITION:

Lecturer, Masinde Muliro University of Science and Technology
School of Nursing, Midwifery and paramedical sciences
Department of Community Health and Extension

Current responsibilities:

- Teaching undergraduate and post graduate students
- Chair of Department, Community Health & Extension
- Mentoring post graduate students
- Departmental examination coordinator; Department of Community Health, and Management,
- Quality Assurance management coordinator; School of nursing, midwifery and Paramedical sciences
- Member of Institution Ethics Review Committee, Masinde Muliro University of Science and Technology
- Member of the organizing committee, MMUST annual scientific conference 2016
- Member of Board of management, St. Romanos Matawa secondary school

ACADEMIC PROFILE

- **July, 2023 to current;** post-doctoral fellow at the University of Alabama at Birmingham (UAB), USA in conjunction with Kenya Medical Research Institute, (KEMRI) Kisumu under the sponsorship of Fogarty International Center, (FIC)- Integrated Network of Scholars in Global Health Training (INSIGHT). Health Equity Research (HEREP) Scholar at UAB. The research project; Enhancing cervical cancer screening through community based self-sample collection for HPV testing among un/underserved women in rural communities of Kenya and LMICs.
- **December 2022: PhD in Health Promotion** at Masinde Muliro University of Science and Technology, (MMUST), (2022) (Integrating uptake of cervical cancer screening awareness creation in community strategy in Kakamega County, Kenya)
- **2012: Masters of Science in Health Sciences (Community health);** (July 2010 - June 2012): University of Pune, Interdisciplinary School of Health Sciences, Pune
- **2000: Bachelors of Science in nursing, (BSc. Nursing);** (October 1996 – August 2000): University of Nairobi, Kenya.
1994: KCSE; KAKAMEGA HIGH SCHOOL
1990: KCPE; MATAWA PRIMARY SCHOOL

OTHER TRAINING

- MHERC Health Equity Research Education Certificate Program (University of Alabama at Birmingham)- on-going
- MOOC on Implementation Research (IR) with a focus on Infectious Diseases of Poverty (IDP) - organized jointly by the African Regional Training Centre, University of Ghana School of Public Health and the UNICEF/UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases (TDR) 2023
- Clinical Management of HIV; a core course of the University of Washington graduate certificate in HIV and STIS; September 2009
- Integrated Management of Neonatal and Childhood Illness (IMNCI); June 2011
- Adolescence Reproductive and Sexual Health (ARSH); February 2012
- Maternal and Child Health Workshop; March 2012
- Management of Tuberculosis in low resourced community
- Routine Immunization (RI); April 2012
- Participated in different Public Health conferences; 2011- 2012
- Senior Management course at the Kenya School of Government; October 2012.

WORK EXPERIENCE

2015 to date: Lecturer; Department of Community Health and Extension, School of Nursing, Midwifery and paramedical Sciences, Masinde Muliro University of Science and Technology.

2014 to April 2015: Lecturer, Department of Nursing, School of science, Pwani University

2013 to 2014: Lecturer, Kenya Medical Training College, Kakamega campus

2003 – 2012: Practicing Nurse; Ministry of Health, Coast Province General Hospital, Mombasa.

2002 – 2003: Practicing Nurse; Aga Khan University Hospital, Nairobi.

2001: Nurse Intern; Kenyatta National Hospital

RESPONSIBILITIES AT MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

2015; Acting departmental examination coordinator. Department of Reproductive Health & Child Health

2017- 2018; Examination Coordinator, department of Community Health and Extension

2017-2020: Committee member, Institutional Ethics and Research Committee, MMUST

2019-2020; Acting Chairman, Department of Community Health and Extension

2020-to date: Chairman, Department of Community Health and Extension.

Revised curriculum on BSc. Nursing (upgrading), BSc. OSH, BSc. Global Health & Travel medicine

CONTRIBUTION TO SCIENCE/PUBLICATIONS

1. I have contributed to science through research in the field of Community Health, Health Promotion, Communicable and Non-Communicable Diseases. My MSc research focused on developing an integrated disease surveillance model that would complement the existing disease surveillance system of Pune Municipal Council, India. The results from my research were highly relevant to the health systems as they provided new details of the interactions, this allowed for further extrapolations into the development of comprehensive disease reporting system.
 - a. **Sakwa G.,** Chebor A., (2016). A Study Done in Karve road, Pune, India Comparing Effectiveness of the Existing Mode of Malaria, Dengue Fever and Chikungunya Surveillance

with a new System -Community Disease Detection and Response Network, (CODREN) System. *International Journal of Humanities and Social Science Vol. 6, No. 5*

2. My PHD research focused **on integrating cervical cancer screening awareness creation into the existing community health strategy** so as to increase uptake of cervical cancer screening services among the eligible Kenyan women. The results from this research were greatly pertinent to the health Universal Health system since they provided new options for vulnerable women to access reproductive health services and new approaches of interacting with the formal health system.
 - a. **Sakwa G.**, Bukhala P., Kwena Z., Kipmerewo M., 2021. Health facility and human resource factors supporting uptake of cervical Cancer screening in Kakamega County, Kenya. *Int. J. Adv. Res.* 9(10), 632-638, ISSN: 2320-5407
 - b. **Sakwa G.**, Bukhala P., Kwena Z., Kipmerewo M., 2021. Knowledge, attitude and practices in cervical cancer screening in Kakamega County, Kenya. *Journal of Health, Medicine and Nursing* ISSN 2520-4025 (Online) Vol.7, Issue 5. No.4, pp 51- 66, 2021.
3. I have been engaged in research on **loss to follow-up among adult HIV patients initiated on antiretroviral therapy in Kenya**. This work focused on predictors which interact and influence decision making on continuity of health seeking behaviors among the adult patients initiated on anti-retroviral therapy using interviewer administered questionnaire.
 - a. Kibet, G.J., Arudo, J., & **Sakwa, G.** (2019). *Predictors of loss to follow-up among adult patients initiated on antiretroviral therapy in Nakuru West Sub-County health facilities, Kenya*. *International Journal of Science and Research (IJSR)*. ISSN: 2319-7064. Vol 8(10). Doi; 10.21275/ART20202278. <https://www.ijsr.net/archive/v8i10/ART20202278.pdf>
 - b. Kibet, G.J., Arudo, J., Ashivira, C., Lopar, S.K., Ogendo, R., Kabutbei, L. and **Sakwa, G.** (2022) The Incidence Rate and Health-Care Factors Associated with LTFU, among Adult Patients Initiated on ART in Nakuru West Sub-County Health Facilities, Kenya. *Open Access Library Journal*, 9, 1-17. Doi: [10.4236/oalib.1108303](https://doi.org/10.4236/oalib.1108303)
4. My work in the **marginalized communities around Mt. Elgon with strong cultural beliefs, poor access and utilization of Maternal and child health services in Kenya** focused on understanding the contextual factors that make this people utilize health services from healthcare workers with different cultural orientations. Results from this research found that women had to consult the elders before utilizing health services from health facilities. I served as a mentor on this study.
 - a. Okoiti, P.K., Arudo, J., & **Sakwa, G.** (2021). Cultural competence of health care workers on maternal health care service utilization among mothers of Mount Elgon constituency Bungoma, Kenya. *Journal of Health, Medicine and Nursing*. ISSN 2520-4025 (Online) Vol.7 (1). pp 37- 55

- b. Okoiti, P.K., Arudo, J., & **Sakwa, G.** (2019). Determinants of maternal and child health care service utilization among mothers of Mount Elgon Constituency, Bungoma, Kenya. *Global Journal of Health Science (GJHS)*. 4(2) pp. 23 – 40. <https://www.iprjb.org/journals/index.php/GJHS/article/view/1018>

Other publications include;

1. Ochogo, J., Arudo, J., & **Sakwa, G.** (2022). Factors associated with acute diarrhea among rotavirus vaccinated children aged 11-23 months in Kisumu east sub-county. *Journal of Health, Medicine and Nursing*, 8(1), 42 – 53. <https://doi.org/10.47604/jhmn.1554>
2. **Sakwa G.**, Litali G., (2019). Patterns and outcome of patients with motor cycle crash injuries in Kakamega County Referral hospital. *Journal of science, technology, Education and Management (J-STEM)*. Vol. 8(1) June 2019 ISSN 1991-2889 pp. 13-20

Honors

2022 – post-doctoral scholarship; Fogarty International Center (FIC) at the U.S. National Institutes of Health, (NIH)

2020 – Scholarship, National Research Fund, (NRF)

2019 – Scholarship, University Research Fund, Masinde Muliro University of Science and Technology, (URF-MMUST)

2010 – Scholarship, Indian Council of Cultural Relations (ICCR)

POSTGRADUATE STUDENTS UNDER HIS MENTORSHIP

S/no.	Name	Title	Level	Status
1	Pascalia Okoiti Kisiangani	Determinants of maternal Health care service utilization among mothers of mount Elgon constituency, Bungoma, Kenya	Masters	Completed
2	Grace Jepchumba Kibet	Predictors of loss to follow up among adult patients initiated on antiretroviral therapy in Nakuru west sub county health facilities, Kenya	Masters	Completed
3	Jane Achieng Ochogo	The uptake of Rotavirus Vaccine among the vaccinated and factors associated with diarrhea in children aged 11-23 months in Kisumu East Sub-County	Masters	Completed

4	Samson Kipyegon Keitany	Nurses' performance in implementation of Sexual Health Care to in-Patients in the Rift Valley, Kenya	Masters	Collecting data
5	Christine Mutenyo	Predictors of hesitancy to HPV vaccine among girls aged 9 to 13 years in Bungoma County, Kenya	Masters	Proposal development
6	Kanali Mutembekhane Roselyne	Utilization of sexual and reproductive health services among adolescent girls in Kakamega County	Masters	Proposal development

PROFESSIONAL AFFILIATIONS

National Nurses Association of Kenya, (NNAK)

Nursing Council of Kenya, (NCK) Reg.no. 171

RECENT WORKSHOPS/CONFERENCES ATTENDED

1. International Conference on Health in Masinde Muliro University of Science and Technology. **Theme: Towards innovative strategies to enhance accessibility.** 24th to 26th may, 2016. Presented paper; *Patterns and outcome of patients with motor cycle crash injuries in Kakamega county referral hospital*
2. Multidisciplinary International Conference on Health in Masinde Muliro University of Science and Technology. **THEME "Transformational Leadership, Innovation and Technology Transfer for Sustainable Development in Developing Countries"**. 19th to 21st June, 2019. Presented paper; *An analysis of resources supporting cervical cancer screening in Kakamega County*
3. National Nurses Association of Kenya International conference; **Theme; Human resource for Health; empowering the nurse and the Midwife. 12th to 14th August, 2020.**

Community services

April, 2022 to date; Member of the Board of Management; -- St. Romano's Matawa Secondary School

Member of the Board of Management; -- St. Christopher, Enyapora Primary School

Publications;

1. **Sakwa G.**, Bukhala P., Kwena Z., Kipmerewo M., (2021). Health facility and human resource factors supporting uptake of cervical Cancer screening in Kakamega County, Kenya. *Int. J. Adv. Res.* 9(10), 632-638, ISSN: 2320-5407
2. **Sakwa G.**, Bukhala P., Kwena Z., Kipmerewo M., (2021). Knowledge, attitude and practices in cervical cancer screening in Kakamega County, Kenya. *Journal of Health, Medicine and Nursing* ISSN 2520-4025 (Online) Vol.7, Issue 5. No.4, pp 51- 66, 2021
3. Okoiti, P.K., Arudo, J., & **Sakwa, G.** (2021). Cultural competence of health care workers on maternal health care service utilization among mothers of Mount Elgon constituency Bungoma, Kenya. *Journal of Health, Medicine and Nursing.* ISSN 2520-4025 (Online) Vol.7 (1). pp 37- 55
4. Okoiti, P.K., Arudo, J., & **Sakwa, G.** (2019). Determinants of maternal and child health care service utilization among mothers of Mount Elgon Constituency, Bungoma, Kenya. *Global Journal of Health Science (GJHS)*. 4(2) pp. 23 – 40. <https://www.iprjb.org/journals/index.php/GJHS/article/view/1018>
5. Kibet, G.J., Arudo, J., & **Sakwa, G.** (2019). *Predictors of loss to follow-up among adult patients initiated on antiretroviral therapy in Nakuru West Sub-County health facilities, Kenya.* *International Journal of Science and Research (IJSR)*. ISSN: 2319-7064. Vol 8(10). **Doi; 10.21275/ART20202278.**
6. Kibet, G.J., Arudo, J., Ashivira, C., Lopar, S.K., Ogendo, R., Kabutbei, L. and **Sakwa, G.** (2022) The Incidence Rate and Health-Care Factors Associated with LTFU, among Adult Patients Initiated on ART in Nakuru West Sub-County Health Facilities, Kenya. *Open Access Library Journal*, 9, 1-17. Doi: [10.4236/oalib.1108303](https://doi.org/10.4236/oalib.1108303)
7. Ochogo, J., Arudo, J., & **Sakwa, G.** (2022). Factors associated with acute diarrhea among rotavirus vaccinated children aged 11-23 months in Kisumu east sub-county. *Journal of Health, Medicine and Nursing*, 8(1), 42 – 53. <https://doi.org/10.47604/jhmn.1554>
8. **Sakwa G.**, Litali G., (2019). Patterns and outcome of patients with motor cycle crash injuries in Kakamega county Referral hospital. *Journal of science, technology, Education and Management (J-STEM)*. Vol. 8(1) June 2019 ISSN 1991-2889 pp. 13-20
9. **Sakwa G.**, Chebor A., (2016). A Study Done in Karve road, Pune, India Comparing Effectiveness of the Existing Mode of Malaria, Dengue Fever and Chikungunya Surveillance with a new System -Community Disease Detection and Response Network, (CODREN) System. *International Journal of Humanities and Social Science* Vol. 6, No. 5

Referees

Mr. John Arudo
Masinde University of Science and Technology, (MMUST)
P. O. Box 190-50100, Kakamega

Mobile phone; 0725430572, E-mail; jarudo@mmust.ac.ke or, jarudo@gmail.com

Dr. Zachary Kwena
Kenya Medical Research Institute, Kisumu, Kenya
P. O. Box 1578-40100, Kisumu
kwena.zachary@gmail.com
Mobile; 0722386714

Prof. Isabel C. Scarinci, PhD, MPH (Professor and Vice-Chair for Global and Rural Health,
Department of Obstetrics and Gynecology, University of Alabama at Birmingham)
iscarinci@uabmc.edu
+1(205)3291331

Prof. Peter Bukhala
Chairman - Department of Sports Science
Masinde Muliro University of Science and Technology
P. O Box 190 Kakamega,
Mobile phone; 0719375170; E-Mail: wisiuba@gmail.com