

## **CURRICULUM VITAE (8 pages) May 2022**

FULL NAME: JAMES AGGREY OLOO (Title: Dr, Prof.)

ADDRESS: Masinde Muliro University of Science and Technology  
Kakamega, Kenya

Office Phone: + 254 57 2021315

Cell-Phone + 254 748 238435 / 0737 107792

Email: [joloo@mmust.ac.ke](mailto:joloo@mmust.ac.ke) / [olooaj@yahoo.co.uk](mailto:olooaj@yahoo.co.uk)

NATIONALITY: Kenyan

LICENSURE: KMPDC Licensure Nr 1468 (Kenya)

### **UNIVERSITY & COLLEGE EDUCATION**

Fellow East Central and Southern Africa College of Physicians (ECSACOP) –  
awarded 2 July 2016 - FCP (ECSA)

Post - Graduate Diploma in Clinical Epidemiology (Dip Clin Epid), University of  
Newcastle, Newcastle, 2300 NSW, Australia, 1997

Diploma in Tropical Medicine and Hygiene (DTM&H), University of Liverpool,  
Liverpool 3, England, 1986;

Master of Medicine in Internal Medicine (M Med Medicine), University of Nairobi,  
PO Box 39000, Nairobi, Kenya, 1983

Bachelor of Medicine and Bachelor of Surgery (MB ChB), University of Nairobi,  
P O Box 39000, Nairobi, Kenya, 1977.

### **APPOINTMENTS HELD**

Professor of Medicine, School of Medicine, Masinde Muliro University of Science  
and Technology, Kakamega, Kenya (December 2015 – present)

Chair of Department, Department of Medicine, School of Medicine, MMUST, July  
2018 – June 2021 and acting Chair Department of Medical Physiology September  
2018 – September 2020

Chair of Department, Department of Public Health, School of Public Health  
Biomedical Sciences and Technology, MMUST, June 2015 – June 2018

*Founding* Dean and Deputy Principal Academics, Uzima University College,  
Kisumu, Kenya (July 2010 – Jun 2013)

Network Director, African Malaria Network Trust (AMANET), Dar Es Salaam, Tanzania (February 2007 – June 2010)

International Professional Officer (IPO) at WHO Regional Office for Africa, Harare Zimbabwe (February 2003 –January 2007)– for Africa Regional Malaria Control Programme

Associate Professor, Moi University, Dept of Epidemiology and Preventive Medicine, P O Box 4606, Eldoret, Kenya (since 2000)

National Professional Officer (Focal Point for Malaria Control) – WHO Country Office – Kenya, 1999 – 2000 (11 months)

Research Scientist and Director, Centre for Vector Biology and Control, Kenya Medical Research Institute, Kisumu, Kenya (1989 - 1999)

Medical Officer, Ministry of Health, Kenya (1977 - 1989)

**LANGUAGES:** English, Kiswahili and French

**COMPUTER LITERACY:** Capable of using word processing packages, excel spreadsheet, and Epi –info for data base and analysis, Emailing and internet search, power point, charts, graphs and photographs, online seminars and conferences

## **WORKEXPERIENCE**

**1. Teaching experience:** Participated in teaching of undergraduate and graduate students of the department of Medicine, *University of Nairobi* and subsequently as External Examiner for MB ChB and M Med students in Medicine

Teaching undergraduate and post graduate medical and allied Health sciences students, epidemiology, research methods and, disease control at *Moi University*.and subsequently became external examiner for final MB ChB and M Med in medicine students and for MPH students

Teaching undergraduate and post graduate students of Community Health and Development students at *Great Lakes University of Kisumu* and subsequently as the external examiner up to present

External examiner for MSc Public Health at *Hubert K Memorial University* in Dar es Salaam Tanzania - 2016

Supervised PhD and MSc students at KEMRI Kisumu, Moi University Eldoret, Great Lakes University of Kisumu and Masinde Muliro University of Science and Technology, Kakamega, Kenya

**2.** Supporting the University Board establish Uzima University College and School of Medicine 2010 – 2013 and, supporting the MMUST Management Board establish School of Medicine 2015 – present

**3. Chair of Department**, new Department of Public Health, MMUST, July 2015 - June 2018– establish and coordinate all activities related to Public Health teaching for undergraduates (e.g BSc EPIMED – 2015, BSc Community Health and BSc Environmental Health - 2016, postgraduate (Master of Public Health – course inaugurated May 2016, PhD Public Health – 2016 ) – in addition support supervision of postgraduate students (MSN, and MSc Med Labs, and MSc Nutrition, Ph D Public Health)

**4. Founding Dean and Deputy Principal** for Uzima University College, Kisumu, Kenya. Responsible for implementation of teaching Programmes for Medical, Nursing and allied health sciences at the University College (January 2010 – June 2013); Supporting University Management Team, assessment of personnel and chair for University College Academic Board

**5. Network Director** for African Malaria Network Trust (AMANET) - February 2007 – June 2010 - Oversight for the mission of AMANET to promote capacity building and networking of malaria R&D in Africa; Coordinating AMANET professional staff and Contract Research Associates to support sites in Africa testing candidate malaria vaccines.

Oversight for scientific activities; review of proposals; convene *ad hoc* scientific reviews for malaria candidate vaccines clinical trials, prepare technical reports for partners and assure quality control and adherence to SOPs

Support draft various MOUs / contracts between institutions (technical and partner institutions; network hub and sub –hubs) and for Contract Research Associates and AMANET

**6. International Professional** staff with WHO / AFRO from February 2003 to 2007 - Support member countries of sub Saharan Africa develop, implement, evaluate and follow up operational research on innovative interventions and strategies for scaling up control against malaria including advocacy for malaria vaccine

Support implementation of *country- specific*, evidence- based, antimalarial drug policies and support planning and validation of studies to review and change treatment policies e.g. Sierra Leone (with a publication), Eritrea, Kenya and Zambia; and high profile meetings with national authorities and technical personnel to discuss briefs for policy considerations

**Achievements:**

Technical support to malaria control programmes in countries (Benin, Eritrea, Guinea, Kenya, Mali, Mozambique, Niger, Nigeria, Sierra Leone, Uganda, Rwanda, and Zambia):

- i) to plan and implement operational research on treatment and prevention of malaria;
- ii) to strengthen health systems including traditional and Community/ Home Based approaches and;
- iii) to validate available national data for evidence based policies

**7. Associate Professor-** department of Epidemiology and Preventive Medicine, Moi University, Eldoret, Kenya -February 2000

-Responsibility for teaching and supervision of undergraduate and post graduate students in Epidemiology, Research Methods, Control of Communicable and Non-Communicable Diseases, and Nutrition

**Key achievements:**

-Facilitated setting up of department of Epidemiology for the then nascent School of Public Health

**8. National Professional Officer** at the WHO Kenya Country office from February 1999 to January 2000 (11 months). Provided technical support to the national teams for strategic planning and implementation of malaria control in Kenya;

Liaison with partners for mobilization of technical and financial resources for national malaria control activities, including containment of highland malaria epidemics

**Key achievements:**

Contributed to policy change on treatment of uncomplicated malaria (Nov 1998) – from chloroquine to SP;

Development and publication of guidelines for treatment of malaria; i) for facility based health workers and, ii) for the Community Health Workers.

Supported development of the guidelines for malaria epidemic control in Kenya and coordination of malaria epidemic response in the Kenyan highlands

**9. Director of Research Centre** of the Kenya Medical Research Institute (KEMRI) based in Kisumu, Kenya (1989 – 1999).

Responsible for technical and administrative support to the centre; Facilitation of partnership with for example the US Walter Reed Institute, the CDC group, JICA, WHO / TDR, and local and regional institutes and Universities for research work

Supervised training of health care workers to monitor effectiveness of first line drugs; Held financial and other resources responsibility for the Centre. Responsible for technical and large field based support staff

### **Key Achievements:**

Development of the KEMRI Centre in Kisumu from a nascent form in 1989 to a world class research centre on Global Health Research and training of graduate students;

### **OTHER RELEVANT EXPERIENCES**

Planned and supervised inter-country pilot studies on use of donated Malarone<sup>TM</sup>, at district hospitals in Kenya and Uganda in 2000; - to determine how best effective, but expensive donated products can be used efficiently in the recipient country, and create evidence to influence policy

### **REFEREES**

1. Prof Josephine Ngaira, Formerly Deputy Vice Chancellor, Masinde Muliro University for Science and Technology. Email: [jngaira@mmust.ac.ke](mailto:jngaira@mmust.ac.ke)
2. Prof Issa Sanou, Professor of Paediatrics, University of Ouagadougou, and Malaria Advisor, WHO Africa Region, Brazzaville, Email: [sannoui@who.int](mailto:sannoui@who.int)
3. Prof Khwa Otsyula, Professor of Surgery, Moi University Eldoret, Kenya. Phone +254 733808367 (Professional)

### **PUBLICATIONS:**

Authored and co-authored more than 100 publications on Infectious diseases, Medicine and Health Systems and can be accessed through:

<https://www.ncbi.nlm.nih.gov/pubmed/?term=Oloo+A+J>

We cite below a sample of the publications:

1. Application of principal component analysis to assess Health systems capacity using x- sectional data in Rural western Kenya, Feb 2019- DOI 10.12691/ajphr-7 -5
2. The impact of co-morbidity and Treatment characteristics on adherence to TB treatment in Kisumu East sub-county Kenya, Oct 2017 DOI 10.9790/1959-0605078791
3. Sickle cell anaemia – the burden of balanced polymorphism Conf. paper Oct 2016

4. Clearance failure rates of PF after treatment among children (6 – 11 years) in Kisumu East sub-county, Nov 2015 – ISBN 2331 – 8880
5. Evidence basis for antimalarial change in Sierra Leone: Five in-vivo efficacy studies of chloroquine, SP and amodiaquine. Mar 2005, ISBN 1360 – 2276
6. Developing Traditional Medicine to Roll Back Malaria in Africa. Jan 2006, WHO African Health Monitor Jan- Jun 2006
7. Monitoring sentinel sites for Antimalarial Drugs Therapeutic Efficacy Tests in the African Region. WHO Communicable Diseases Bulletin for the African Region; 2005 Jun; 3(2) 9 –11 - Sukwa T, Oloo AJ and Correia e Silva MR
8. Evidence basis for antimalarial policy change in Sierra Leone: five *in-vivo* efficacy studies of chloroquine, sulphadoxine – pyrimethamine and Amodiaquine. Trop Med Intl Health; 2005 Feb; 10(2): 146 –53. (Checchi F, Roddy, Kamara, Williams, Morineu, Wurie, Hora, Lamotte, Barewldt, Oloo A and others)
9. Artesunate combinations for treating uncomplicated malaria: An individual patient data meta- analysis. Lancet 2004 Jan 3; 363(9402): 9 – 17 (Adjuik M, Babiker A, Garner P, Olhagro P, Taylor W, White N; International Artemisinin Study Group).
10. Current and future concerns for malaria in Africa. East Afr Med J. 1999 Aug; 76(8): 419-20. Oloo AJ
11. The right to know HIV test results. Lancet 1995; 345 (8963): 1507 -8 (Nahlen, terKuile, Rithchers, Oloo AJ and Philips- Howard)
12. Estimated risk of HIV transmission by blood transfusion in Kenya. Lancet 2001; 358 (9282): 657 – 60 (Moore, Herrera, Nyamongo, Lackritz, Granade, Nahlen, Oloo AJ, Opondo, Muga, Janssen)
13. Blood transfusion for severe malaria related anaemia in Africa: a decision analysis. Am J Trop Med Hyg 1998 Nov; 59(5): 808 – 12. (Obonyo, Steyerberg, Oloo AJ and others)
14. Plasmodium falciparum CSP immunogenicity and efficacy trial with natural challenge quantitation in an area of endemic human malaria in Kenya. Vaccine 1996 Jun; 14(8):817 – 27 (Sherwood, Copeland, Taylor, Abok, Oloo AJ et al)
15. Impact of transmission intensity and age on Pf density and associated fever: implications for malaria vaccine trial design. J infect Dis 1995 Oct; 172 (4): 1047 -54 (Beadle, McElroy, Oster, Beier, OlooAJ and others)
16. Successful double blinded, randomized placebo controlled field trial of

Azithromycin and Doxycycline as prophylaxis for malaria in western Kenya. Clin Infect Dis. 1998 Jan; 26(1):146 -50. (Andersen, Oloo A J and others)

17. Primaquine is effective for prophylaxis against falciparum malaria in Kenya: a comparison with mefloquine, Doxycycline, and chloroquine plus proguanil. J Inf Dis. 1995 Jun; 171(6): 1569 – 75. Weiss WR, Oloo AJ, Johnson A and others.

18. A new Primaquine analogue, tafenoquine (WR 238605), for prophylaxis against Plasmodium falciparum malaria. Clin Inf Dis. 2001 Dec 15; 33 1968 –74. Shanks GD, Oloo AJ, Aleman GM and others.

**Other publications can be accessed through [Researchgate and Google scholar](#)**

## **FELLOWSHIPS and SOCIETIES,**

CIBA – Geigy Fellowship on Tropical Medicine (1986);

WHO/TDR Fellowship on Clinical Epidemiology(1987);

Kenya Association of Physicians (KAP);

Kenya Medical Association (KMA);

Accreditation- Kenya Medical Practitioners and Dentists Board;

Fellow of the College of Physicians of East Central and Southern Africa College of Physicians – FCP (ECSA) -2016

## **STUDENTS SUPERVISION**

	NAME	SPECIALTY	TOPIC	Affiliation/status
1.	.Grace Ettyang	Public Health nutrition	Studies on vitamin A consumption by breast feeding children in Kenya.(PHD Thesis)	Moi University and Maastricht University (completed )-2003
2.	Charles Obonyo	Clinical epidemiology and malaria	Malaria, anaemia and anti malarial drug resistance in African children(PHD Thesis)	UtretchUniversity,Netherlands (completed)-2003
3.	Leenstra Tjalling	Epidemiology Nutrition	Prevalance and severity of malnutrition and age at menarche;crossectional studies in adolescent school girls in Western Kenya(PHD Thesis)	Academic Medical University,Netherlands (completed)2005
4.	Peter Mc Elroy	Clinical Epidemiology	Effect of plasmodium falciparum parasitemia density on haemoglobin concentrations among full term normal birth weight children in western Kenya,Asembo bay cohort project (PHD Thesis)	(completed)2000
5.	Jane Alaii	Sociology	Factors affecting use of permethrin-treated bed nets during a randomized controlled trial in western Kenya	MSc. Sociology
6.	Lt Col. Jomama One Jomama	Community Health and health systems research	Sensitivity of plasmodium Falciparum to artemetherlumefantrine and artesunate-mefloquine among children 6 to 11 years in Kisumu east (PHD)	Great Lakes University of Kisumu completed 2016
7.	Sr. Elizabeth Wafula	Oncology and palliative care	The role of psychosocial support groups in improving quality of life among breast cancerpatients in	MMUST –ongoing

			hospice(MSc. Nursing )	
8.	Scarlon B. Musonye	Midwifery	BScN nurse satisfaction of internship and clinical competence in county referral hospital in Kenya- A situational analysis (MSc. Nursing )	MMUST –completed 2017
9.	Morris Senghor	Community health	Predictors of TB treatment adherence among patients aged above 18 years attending TB clinic in KDH (MSc. Nursing )	Completed 2017
10.	Lucy KaghehaKavinguha	Medical surgical Nursing	Utilization of Diabetic care plans in the management of type 2 diabetic patients at JOOTRH(MSc. Nursing )	Completed 2018
11.	Grace AkinyiNyambok	Medical surgical Nursing	Prevention of surgical sepsis mortality Kisumu county(MSc. Nursing )	MMUST -ongoing
12.	Moses Chirchir	Community health	Factors affecting utilization of skilled birth attendants among pastoral communities (MSc. Nursing )	Completed
13.	Jennifer NasambuWabwire	Midwifery	Trends in Malaria in pregnancy after withdrawal of IPT	MMUST -ongoing
14.	Nancy Uside	Midwifery	Utilization of youth friendly reproductive health services among the youth (MSc. Nursing )	MMUST-on going
15.	Caleb KiprokKoech	Medical surgical Nursing	Adherence among diabetic type 2 patients on follow up at MTRH (MSc. Nursing )	MMUST –completed 2018
16.	Abraham Sirma	Medical surgical Nursing	Adherence of ARV among the HIV +ve patients in MTRH and EldoretAmpathcenter(MSc. Nursing )	Completed
17.	Dr MaximilaWanzala	Public Health	Devolution of Governance and Its Effects on the Health systems (PhD Public Health)	Completed 2018
18.	NoelaOlale	Public Health	Treatment failure among adolescents on ARVs in Vihiga County, Kenya (MPH)	ongoing
19.	Lucy LasoiSaiyoki	Public Health	Accessibility of Essential Medicines for NCDs -----the case for Trans Nzoia County of Western Kenya ( MPH)	Completed December 2020
20.	EvalyneNyancheraMorema	Public Health	Health Facility Based Intellectual Capital And Provision of Preconception Care in Kisumu County Kenya, PHD Thesis	Completed August 2021

## LIST OF TOPICS OF PRESENTATIONS AT CONFERENCES, SEMINARS, WORKSHOPS AND OTHER MEETINGS

1. Treatment of malaria in Kenya and Africa. Series of lectures to Kenya Medical Association CME meetings 2000
2. QBC for malaria diagnosis to the KMA meetings and staff Abidjan Central Hospital and Poly Clinic 2000.
3. Malaria prophylaxis and Prevention lectures to Kenyan Physicians Associations Conference, Nairobi, Kenya 2000.
4. Malarone Donation Programme - the studies on effective use of an expensive donated product by recipient in least developed countries. lecture in Kenya, Tanzania and Uganda 2000
5. The use of ARVs and risk of emerging resistance, KMA, Eldoret, Kenya. 2001.



6. Study designs for clinical research; East African courses on malaria immunology; Kilifi, Kenya. 2002.
7. Operational and health systems research. Lecturer for capacity building workshop for operational research in malaria in the Africa Region, 5-16 Aug. 2002 Ndola, Zambia
8. Socio-cultural themes of disease prevention and how they could affect malaria vaccine in Africa. WHO/AFRO regional meeting Cotonou, Benin 2006
9. Traditional health practitioners and traditional medicines: potential for collaboration with conventional medicine WHO/AFRO annual review and planning meetings; Pretoria South Africa. 2004.
10. Changing policies for treatment for malaria in Africa. Regional meetings, Accra Ghana. 2006.
11. Policy change for ACTs to treat malaria in Africa, Nairobi, Kenya 2006.
12. Monitoring and evaluation plan for capacity building for African scientists in malaria vaccine research. Bagamoyo, Tanzania 2009
13. Decision making framework for policy change for malaria vaccine, presentation to malaria stakeholders. Accra Ghana 2013
14. Review of situation analysis for the development of malaria vaccine communication plan for Kenya, Nairobi 2014 and Kisumu, Kenya, 2015
15. School of Medicine at MMUST – the proposal. Presentation to the Consortium for new Southern Africa Medical Schools (CONSAMS), Maputo, Mozambique. June 11-13, 2015
16. Castleman's Disease – case report and a short review of literature – presented at Kenya Association of Physicians, Eldoret Kenya, March 2016
17. Sick Cell Anaemia – the burden of balanced polymorphism; submitted for VENDA – WSU - International Scientific and Research Conference, Polokwane SA, October 2016
18. Sick cell anaemia – the economic burden for Africa – ECSACOP 2019, Livingstone Zambia