

PROF. ALLOYS S.S. ORAGO: CURRICULUM VITAE

1. BIODATA

a) **NAMES:** ALLOYSSIGAR STEVENSORAGO

b) **CONTACTADDRESS:** **Kenyatta University**
School of Medicine
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2. ACADEMIC AND PROFESSIONAL QUALIFICATIONS, AWARDS AND HONOURS

(a) Primary and High School Education

1970–1971 Kericho High School-EAACE ("A" level)
Passed in Biology, Chemistry, and General Paper

1966–1969 Rapogi Secondary School-E.A.C.E.
Passed in Division 11 ("O" level)

1962–1965 Osogo Primary School- K.P.E. Passed

1958–1961 Kapgwen Primary School–Passed C.E.E.

(b) UNIVERSITY

Postgraduate Studies

(i) 2010 Doctor of Science in
Epidemiology (D.Sc. Epidemiol. Honoris causa), World Academy of Letters,
American Biographical Institute, Raleigh, North Carolina 27622, USA

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2007 Master of Public Health (MPH Infectious Disease Control, *Honoris Causa*),
World Academy of Letters, American Biographical Institute,
Raleigh, North Carolina 27622, USA

(ii) 1988-1991 Doctor of Philosophy in Immunopathology at the Royal London
Hospital Medical College, Whitechapel, University of London, U.K.

Thesis Title

Natural killer cells and cytokines in the immune response to
Plasmodium falciparum.

Supervisor: Dr. Christine A. Facer

(iii). 1983-1984 M.Sc in Immunology at the Medical School, Royal Infirmary
Foresterhill, University of Aberdeen, Scotland, United Kingdom

Thesis Title

Cell mediated cytotoxicity in the age-related rat model for childhood
malaria

Supervisor: Dr. J. B. Solomon

Undergraduate Studies

(iv). 1972-1975 University of Nairobi- B Ed/Science (Hons)

Project Specialty- Parasitology/Immunology

(c) PROFESSIONAL COURSES

Dates	Course Completed	Place of Training	Grade/Result
February 2013	Advanced Management of HIV and Leadership Part II	Galilee International Management Institute, Israel	Diploma
April 17-21 & September 16-21, 2012	The Global Health Leadership Forum	School of Public Health University of California, Berkeley	Certificate
April 22-25, 2012	Learning from the Kaiser Permanente Model of Integrated Healthcare Delivery	Kaiser Permanente International California, USA	Certificate
May 18-20, 2012	ISCSC Corporate Training In International Supply Chain Management	ISCSC Corporate Training Centre, Nairobi, Kenya	Certificate
May 18-20, 2010	Corporate Governance Training	Commonwealth Centre for Corporate Governance, Nairobi, Kenya	Certificate
July 2007	Leadership World YWCA Council of Communities	World YWCA Council, Geneva, Switzerland	Certificate
July 23, 2007	Ministerial Audit Committee Training	Kenya College of Accountancy, Nairobi, Kenya	Certificate
October 16-18, 2006	Workshop on Global Corporate Governance	Commonwealth Associate For Corporate Governance, Nairobi, Kenya	Certificate
2005	HIV and AIDS Workplace Issue	Kenyatta University, Nairobi, Kenya	Certificate
May 2-7, 2004	Crisis Prevention and capacity building for HIV and AIDS Peer Counselling	Kenyatta University, Nairobi, Kenya	Certificate
August 2-6, 2002	Science Education for new Civil Engagements and Responsibilities	Sencer 2002 Summer Institute, San Jose, California, USA	Certificate
June 7-13, 1992	Tropical Medicine Update, 1992	University of Liverpool, British Council, UK	Certificate

(d). DEVELOPED SKILL SETS AND COMPETENCIES

- **Strategic Leadership:** Learning, listening, trust, resourcefulness, professionalism, results-orientation, accommodating, inclusivity, consultative and inspiring; sensitivity to gender, socio-cultural and economic diversity.
- **Project Management:** Scoping, design, planning, appraisal, implementation, monitoring, review and evaluation.
- **People Management:** Job appraisal and development of requisite skill-sets, recruitment, training, exposure and on the job training, mentorship, networking, teamwork, capacity building; workplace programmes.

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- **Resources Management:** Strategic planning, activity costing and target setting, mobilization and efficient utilization. Resource mapping, prioritization, budgeting and audits. Procurement and supply chain management including commodity forecasting. Risk based management.
- **Effective Communication:** writing and oral skills, use of technology, analytical skills, audience segmentation, participatory, free flow of relevant information. Advocacy skills. Coordination of multisectoral stakeholders, peace building and negotiations.
- **Organizational Development:** Culture, core values, policy, mandate, mission, vision and operational framework. Leadership and corporate governance.
- **Public-Private-Civil Society Partnerships:** Community mobilization, demand for services, empowerment, value-for money engagements, enhanced service delivery, sectoral comparative advantage in service delivery.
- **Research:** Grant writing skills, Grant making skills, clinical trials, proposal development and evaluation, reporting, Technical writing.

(e) AWARDS AND HONOURS

- (i). 2010 Awarded the degree of Doctor of Science in Epidemiology (D.Sc.Epid) by the American Biographical Institute, Raleigh
- (ii) 2007 Honoured by Emory University/CDC Atlanta and the Kenya Government for contribution in the Kenya Health Work Force Project.
- (iii) 2007 Awarded the degree of Master of Public Health (MPH) by the American Biographic Institute, Raleigh, North Carolina 27622, U.S.A
- (iv). 2006 Decorated by H.E President Mwai Kibaki, the President of Kenya and Commander In Chief of the Armed Forces with the Honour: Moran of the Burning Spear of Kenya (MRS)
- (v). 2006 Personal Profile included in 6th Edition 2006/2007 of Marquis Who's Who in Medicine and Healthcare.
- (i). 2006 Selected Man of the Year 2006 by the American Biographical Institute and its Board of International Research.
- (vii). 2003 Appointed to the Board of Directors, Governing Board of Editors and Publications' Board of the American Biographical Institute.
- (viii). 2000 Names and contribution listed in the Dictionary of International Biography 28th –Millennium Edition by the International Biographical Centre Cambridge, U.K.
- (ix). 2000 Contribution listed in the Millennium Edition of Marquis Who's Who in Science and Public Health Care Delivery.
- (x). 1998 Contribution to Science recognized and listed in the 15th Edition of Marquis Who's Who in the World in Science and Engineering.
- (xi). 1997 Contribution to Science recognized and listed in 14th Edition of Marquis Who's Who in the World in Science and Engineering.

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Is Who in the World in Science and Technology.

- (xii). 1992 Awarded a fellowship by the International Union of Immunological Societies to participate at the 8th International Congress in Budapest, HUNGARY. August 23-28, 1992.
- (xiii). 1989 Awarded John Humphreys award by the British Society for Immunology worth sterling pounds five-hundred to buy Immunology Books and Journals for 2 years for Moi Library at Kenyatta University.
- (xiv). 1988 Elected Fellow of the Royal Society of Tropical Medicine and Hygiene (UK).
- (xv). 1987 Awarded an ODA Scholarship to study for Doctor of Philosophy in Immunopathology at the Royal London Hospital Medical College, University of London, UK.
- (xvi). 1986 Elected member of the Institute of Biology (London) and entitled to the use of titles C. Biol. M. Biol.
- (xvii). 1983 Awarded a British Council Technical Co-operation Training Scholarship to study for M. Sc in Immunology at the Medical School, University of Aberdeen, Scotland.

3. WORK EXPERIENCE

- 2014 February 11 to date Professor of Clinical Immunology and Epidemiology of Infectious Diseases – Schools of Medicine, Department of Pathology, Kenyatta University
- 2007 February to February 2014: Appointed Chief Executive Officer/Director, National AIDS Control Council
- 2006 (February) Appointed Acting Director, National AIDS Control Council
- 2006 (November) Appointed Chairman of the Ministerial Audit Committee in the Ministry of State for Special Programmes, Office of the President
- 2005 (April) Appointed Deputy Director, National AIDS Control Council
- 2004 Appointed Chairman/Director Department of Health Sciences, Kenyatta University
- 2003 (January) Re-appointed Director, CCMB, Kenyatta University
- 2000 (September) Appointed Full Professor of Clinical Immunology and Epidemiology of Infectious Diseases.
- 2000 (Aug to 2002) Appointed Director, Centre for Complementary Medicine and Biotechnology (CCMB), Kenyatta University
- 2000 (May-July) Appointed Acting Director, Board of Postgraduate Studies
- 1999 (Jul & Aug) Appointed Acting Director, Board of Undergraduate Studies and Board of Postgraduate Studies respectively.
- 1997 (August) Appointed Acting Dean, Faculty of Science

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1997 (March)	Re-appointed Chairman, Department of Zoology, Kenyatta University
1995 (March)	Appointed Chairman Department of Zoology, Kenyatta University
1994 (Feb)	Appointed Associate Professor, Kenyatta University
1992 (April)	Appointed Senior Lecturer, Kenyatta University Faculty of Science Representative on Kenyatta University Senate
1988 (July)	Appointed Lecturer, Kenyatta University
1986-2000	Teaching duties included at various times all courses at both undergraduate and postgraduate levels in Cell Biology, Immunology, Parasitology, Epidemiology, Public Health, Invertebrate Zoology, Vertebrate Zoology at Kenyatta University, Egerton University and Jomo Kenyatta University of Agriculture and Technology.
1986	Appointed Assistant Lecturer
1984-1985	Assigned teaching of undergraduate courses in Immunology and Cell Biology.
1979 (May)	Joined the Department of Zoology at Kenyatta University College as a Demonstrator/Graduate Assistant. Duties included running of all Undergraduate practical classes in Zoology, registration and maintenance of students' records.
1976-1988	Examiner and item writer for Biology, Chemistry and Physics at 'O' and 'A' level of the former East African Examinations Council and Kenya National Examinations Council.
1975-1979	High School teachers of Biology, Chemistry and Physics in Forms 1-6 Head of Science Department and Patron of Science and Wildlife Clubs of Kenya, Ahero and Lwak Girls' High School branches.

4. ACADEMIC AND RESEARCH INTERESTS

a) Broad Areas

- Immunopathology and Immunoprophylaxis against parasitic and microbial infections
- Public Health issues and human population dynamics
Biotechnology and Biomedicine in Healthcare service delivery
Epidemiology of Human Diseases
- Vaccinology and Clinical Trials
- Sustainable financing and equity in Healthcare service delivery
- New technologies in enhanced access to health care

(b) Work in Progress

- Cell mediated immunity and cytokines in Plasmodium falciparum malaria
- Human Blood groups and MHC antigens in immunity to malaria
- Vaccine development and Vaccine trials in human P. falciparum malaria, HIV-1 infections, schistosomiasis and leishmaniasis
- Economics of malaria and HIV and AIDS control in endemic areas approaches in healthcare delivery systems
- Substance abuse and human development in academia and social set-ups.
- Impact of re-emerging/resurgent disease epidemics on human cognitive development
- Human nutrition and severity of parasitic diseases: Friends or foes? Permethrin impregnated nets in malaria control
- Gender inequality in access and provision of healthcare services
- HIV-1 awareness, awareness among high risk groups, behaviour change and IEC
- Intervention strategies
- Public Health interventions, disaster preparedness and human population dynamics
- Biomedical approaches in the control of tropical diseases among poor communities
- New Prevention technologies in the era of HIV and AIDS
- The scientific basis of discordancy in couples infected with HIV-1
- Challenges in scaling up anti-retroviral therapy in low and high HIV prevalence sites in developing countries

(c) Research Collaborators

- Tropical Diseases Research-World Health Organization, Geneva Switzerland.
- Centres for Disease Control and Prevention, Atlanta, Georgia, USA.
- US Army Medical Research, Unit Kenya/National Institutes of Health Bethesda, MD, USA.
The Wellcome Research Foundation, UK.
- Pasteur Institute, Centre for Scientific Information, Paris, France.
- DAAD Regional Office for Africa; University of Bonn; University of Tübingen.
Harvard University Medical School, Department of Genetics.
- University of Pittsburgh, The Graduate School
- University of Minnesota, School of Public Health
- University of Mississippi, School of Pharmaceutical Sciences
- Johns Hopkins University, School of Public Health
- CURACID Kenya Limited
- Emory University
- The National Institutes of Health, USA

(d) University Academic Programmes Developed

i) Undergraduate

- Certificate in the Control and Management of HIV and AIDS
- Diploma in the Control and Management of HIV and AIDS
- Postgraduate Diploma in the Control and Management of HIV and AIDS
- Advanced Diploma in Public Health
- Fundamentals of Immunology
- Advanced Immunology
- Applied Immunology

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- Introduction to Cell Biology
- Medical Genetics
- Essentials of Cell Biology
- B.Sc. Clinical Medicine and Community Health
- B.Sc. Nursing and Community Health
- Bachelor of Pharmacy

ii) Postgraduate

- M.Sc Immunology
- M.Sc Applied Parasitology
- Master of Public Health and Epidemiology
- Master of Public Health (with specialization)

5. GRANTS APPLIED FOR, NEGOTIATED AND AWARDED

- a) Total War against HIV and AIDS (TOWA) project: World Bank/IDA Credit Number 4841-KE, **USD 55.0 million** upto December, 2013.
- b) Global Fund to fight AIDS, Malaria and TB Round 10 (GF10) Grant No. KEN-708-G10-H; **USD 345 million**
- c) Inter-Governmental Authority on Development (IGAD) – Regional HIV and AIDS Partnership Programme Support Project: IDA Africa Catalytic Growth Fund (ACGF) Grant No. TF090523 – RAF June 28, 2007 – **USD 15 million**
- d) Global Fund to fight AIDS, Malaria and Tuberculosis Round 7 (GF7) Grant No. KEN–2008.G03-H-01; **USD 130.5 million**
- e) Total war against HIV and AIDS (TOWA) Project: World Bank/IDA Credit No. 4336 – KE to HIV programme in Kenya, 2005/06–2009/10; **USD 80 million**
- f) Great Lakes Initiative on AIDS (GLIA) Support Project: World Bank/IDA Grant No. H150-RAF (PO80413), 2005–2009; **USD 20 million**
- g) African Regional Capacity Building Network for HIV and AIDS Prevention, Treatment and Care (ARCAN) Project: World Bank/IDA Grant No. H129TA, 2004–2009; **USD 20 million**
- h) Global Fund to fight AIDS, Malaria and Tuberculosis Round 2 (GF2) Grant No. KEN–202.G03-H-00; **USD 106 million**
- i) Kenya HIV and AIDS Disaster Response (KHADRE) Project: World Bank/IDA Credit No. 3415–KE, 2000–2005; **USD 50 million**

6. LIST OF PUBLICATIONS IN REFERRED JOURNALS:

1. OSUR, J; **ORAGO, A.S.S**; MWANZO, I and BUKUSI, E (2015) Social networks and Decision-making for clandestine unsafe abortion: Evidence from Kenya. Afr.J.Reprod. Health 19 (1) 34 -43
2. OGONDA, L.A; **ORAGO, A.S.S** and STOUTE, J.A. (2015) Expression of CD11a, CD11b, and ICAM-1 (CD54) on monocytes of patients with severe malaria: High CD11b expression on CD14⁺⁺, CD11b⁺ monocytes a possible risk factor for cerebral malaria (in press).
3. OSUR, J; **ORAGO, A.S.S**; MWANZO, I. and BUKUSI, E. (2013) The age specific practices and outcomes in women undergoing unsafe abortions in rural communities of Kenya. J. Med. Biomed. Sci. **4** (1) May 30.

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4. OYORE, J.P.; **ORAGO, A.S.S.**; MWANZO, I.J and ODHIAMBO-OTIENO, G.W (2013) Determinants of adherence to antiretroviral therapy (ART) among patients attending public and private health facilities in Nairobi, Kenya. *J. AIDS & HIV Research* 5(3)70-74.
5. OLUOCH, T; MOHAMMED, I; BUNNELL, R; KAISER, R; KIM, A.A; GICHANGI, A; MWANGI, M; DADABHAI, S; MARUM, L; **ORAGO, A.S.S.** and MERMIN, J. (2011) Correlates of HIV infection among sexually active adults in Kenya: A national population-based survey. *The Open AIDS Journal* 5, **113 -124**
6. KARAMA, M; **ORAGO, A.S.S.**; HORNETZ, K. and MOJI, K. (2011) The Muslim perception of HIV and the advantage of a separate Muslim HIV and AIDS policy: A Kenyan experience. *Research Reference Number 549*. GOK/NACC: Inventory of HIV and AIDS Research and Evaluation Studies, Volume 2 (2005 -2011), Nairobi, Kenya.
7. KARAMA, M; **ORAGO, A.S.S.** and MOJI, K. (2011) Management, control and prevention of HIV and AIDS among Muslims in Kenya. *Research Reference Number 358*. GOK/NACC: Inventory of HIV and AIDS Research and Evaluation Studies, Volume 2 (2005-2011), Nairobi, Kenya.
8. **ORAGO, A.S.S.**; KALOMBA, D.; VANRENTERGHEN, H; NITZSCHE-BELL, A; GODWIN, P. MORAH, E. and MAKOKHA, J. (2011) Making national disease strategies robust enough to serve as a basis for funding decisions by international donors. *Research Reference Number 353*. GOK/NACC: Inventory of HIV and AIDS Research and Evaluation Studies, Volume 2 (2005-2011), Nairobi, Kenya.
9. KONGIN, H; MUNDIA, B; **ORAGO, A.S.S.** and MURIITHI, P.K. (2011) HIV situation analysis of sex workers and their clients in Kenya. *Research Reference Number 261*. GOK/NACC: Inventory of HIV and AIDS Research and Evaluation Studies, Volume 2 (2005-2011), Nairobi, Kenya.
10. OGUTA, Z; ONYANGO, R and **ORAGO, A.S.S.** (2011) Factors influencing choice and utilization of HIV testing and counselling (HTC) services in Suba District, Kenya. *Research Reference Number 217*. GOK/NACC: Inventory of HIV and AIDS Research and Evaluation Studies Volume 2 (2005-2011), Nairobi, Kenya.
11. NITZSCHE-BELL, A; **ORAGO, A.S.S.**; HAKIZINKA, I; CHIBWANA, B; VANRENTERGHEN, H; GODWIN, P. and MORAH, E. (2011) Country experiences with Global Fund National Strategy Applications – what worked, what didn't? *Research Reference Number 136*, GOK/NACC: Inventory of HIV and AIDS Research Evaluation Studies, **Volume 2** (2005 -2011), Nairobi, Kenya.
12. OWITI, J.S.O; **ORAGO, A.S.S.**; OTENGA, W; OMBAM, R.A; KONGIN, H. and MBOYA, M.G.O (2011) Community coping strategies to HIV and AIDS in Homa Bay District, Kenya. *Research Reference Number 115*. GOK/NACC: Inventory of HIV and AIDS Research and Evaluation Studies, Volume 2 (2005-2011), Nairobi, Kenya.
13. GITAU, D.K; **ORAGO, A.S.S.** and KABIRU, E.W. (2011) Access and quality of services in the prevention of mother-to-child transmission of HIV in public health institutions in Thika District, Kenya. *Research Reference Number 23*. Government of Kenya – National AIDS Control Council: Inventory of HIV and AIDS Research and Evaluation studies, Volume 2 (2005-2011), Nairobi, Kenya.
14. AWES, A.A; MURIITHI, P.K; GITONGA, J; MUTTUNGA, J and **ORAGO, A.S.S.** (2010) HIV prevalence and related factors: In KNBS and ICF Macro. Kenya Demographic and Health Survey (2008-2009). Calverton, Maryland, USA.
15. OGONDA, L.A.; **ORAGO, A.S.S.**; OTIENO, M.F; ODHIAMBO, C; OTIENO, W. and STOUTE, J.A (2010) The levels of CD16/FC- γ receptor IIIA on CD14+ CD16+ monocytes are higher in children with severe *Plasmodium falciparum* anaemia than in children with cerebral or uncomplicated malaria. *Infect. Immun.* **78**, 2173–2181.
16. SUMBA P. O; KABIRU E.W; NAMUYENGA E; FIORE N; MOORMANN A.M; **ORAGO**

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- A.S.S**;ROSEBAUM P.F and ROCHFORD R (2010) Microgeographical variations inBurkitt's lymphoma incidence correlate with differences in malnutrition, malaria andEpstein- Barr virus .Brit. J. Cancer **103**:1736 -1741.
17. KAMAU L; SKILTON,R.A; ODONGO D.O; MWAURA S; GITHAKA N; KADUMA E; OBURA M;KABIRU E.W; **ORAGO A.S.S**; MUSOKE A and BISHOP R.P (2011) Differentialtranscription of two highly divergent gut- expressed Bm86 antigen genehomologues in the tick *Rhipicephalus appendiculatus* (Acari: Ixodida)Insect Molecular Biology **20**(1) 105 -114.
 18. OTHERO,M.D;**ORAGO,A.S.S**;GROENEWEGEN,T;KASEJE,O.O.andOTENGAH,W.A (2008)Homemanagementofdiarrheaamong under-fives inaRuralCommunity inKenya:Householdperceptions andpractices. EastAfr.J.Pub.Health**5**(3)142- 146
 19. CHESIRE,E.J.;**ORAGO,A.S.S**;;OTEBA,L.P. and ECHOKA,E.(2008)Determinantsofundernutrition amongschool-agechildreninaNairobiperi-urbanslum. EastAfr.Med. J.**85**(10)471-479
 20. OSUR,J.;**ORAGO,A.S.S**andOTEBA,L(2008)Trendsindelvelopmentrelatedfactors affectingwomenundergoing voluntary surgicalcontraceptioninNairobiProvince, Kenya.J Obstet.Gynecol.Eastcent.Afr.**20**,13-19
 21. MIBEI,E.K;OTIENO,W.O;**ORAGO,A.S.S**andSTOUTE, J.A. (2008)Districtpatternofclassandsubclassantibodiesinimmunecomplexes ofchildrenwithcerebralmalaria andseveremalarialanaemia.ParasiteImmunol**30**,334-341
 22. WERE,T.;YAMO,E.O.;OTIENO,R.O.;OTIENO,M.F.;AWANDARE,G.A.;OUMA,C.; **ORAGO,A.S.S**;;VULULE,J.M.;HITTNER,J.B.; ONGECHA,M. andPERKINS, D.J.(2008)Naturally –acquiredhaemozoinbymonocytespromotesuppression of RANTES inchildrenwith*Plasmodium-falciparum*malarialanaemiathrough an IL-10dependentmechanism.Infect.Immun(000000).
 23. AYODO,G.; PRICE, A.L.; KEINON, A.; AJWANG,A.; OTIENO,M.F.; **ORAGO, A.S.S**;;PATTERSON,N. andREICH,D. (2007).Combiningevidenceofnaturalselection withassociationanalysisincreasespower todetectmalaria-resistance variants.AM.J.Hum.Genet.**81**,234–242.
 24. WERE,T.;OTIENO,R.O.;OUMA,C.;AWANDARE,G.A.;OTIENO,M.F.;**ORAGO,A.S.S**., VULULE,J.M.;ONGECHA, J.M.andPERKINS,D.J.(2006)Intramonocytic malariapigmentdysregulatesmacrophageinflammatoryprotein(MIP)-1alphaand MIP-1...inchildrenwithmalarialanaemiathroughIL-10.J.Infec.DIS.(inpress).
 25. WERE,T.;HITTNER,J.B.;OUMA,C.;OTIENO,R.O.;**ORAGO,A.S.S**;;ONGECHA,J.M.; VULULE,J.M.;KELLER,C.C.andPERKINS,D.J.(2006) Suppression of RANTEESinchildrenwith*Plasmodium-falciparum*malaria.Haematologica**91**,1396–1399.
 26. OUMA, C.; KELLER, C.C.; OPONDO, D.A.; WERE, T; OTIENO, R.O.; OTIENO, M.F.; **ORAGO,A.S.S**;;ONGECHA, J.M.andPERKINS,D.J.(2006)RoleoftheNOS2 promoterpolymorphism(G-954C)inprotectionfromhigh-density *Plasmodium-falciparum*malariaandmalarialanaemiain Kenyan children.
 27. KELLER,C.C.;WERE,T.; OTIENO,R.O.;OTIENO, M.F.; **ORAGO,A.S.S**;; VULULE,J.M.; ONGECHA,J.M.;FERRELL,R.E.andPERKINS,D.J.(2006) Functional PolymorphismintheLIBgenepromoter(-31C-T)isassociatedwith protection Againstseveremalarialanaemiaaininfantsandyoungchildrenfrom *Plasmodiu-falciparum*holoendemicarea.J.Infect.Dis.(submitted).
 28. WERE,T.;OTIENO,R.O.;OUMA,C.;AWANDARE,G.A.;OTIENO,M.F.;**ORAGO,A.S.S**;; VULULE, J.M.; ONGECHA,J.M.andPERKINS, D.J.(2006) ReducedPGE2 productionby peripheral blood mononuclear cells in*Plasmodiumfalciparum*- induced anaemia is associatedwith suppressionoferythropoiesis.Parasiteimmunology(inpress).
 29. ONGECHA,J.M.;KELLER,C.C.;WERE,T.;OUMA,C.;OTIENO,R.O.;LANDIS-LEWIS, Z.; OCHIEL,D.;SLINGLUFF, J.L.;MOGERE,S.;OGONJI, G.A.;**ORAGO,A.S.S**., VALULE, J.M.;KAPLAN, S.S.;DAY,R.D.andPERKINS,D.J.(2006) Parasitaemia,

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anaemia and malarial anaemia in infants and young children in a rural holoendemic *Plasmodium-falciparum* transmission area. Am. J. Trop. Med. Hyg. 74(3)376-385.

30. OSERO, J.S.O.; OTIENO, M.F. and **ORAGO, A.S.S.** (2006) Role of child health clinics in promoting use of insecticide treated nets among children under 5 years in Nyamira District, Kenya. East Afr. Med. J. 83(8)366-379
31. MOGERE, S.; LEWIS, Z.; OGUYA, F.; MWANIKI, P.; KOGAL, O.; ONGECHA, J.M.; **ORAGO, A.S.S.**; SCHLUETER, T. and PERKINS, D. (2005) Building a geo-medical information system (GeoMedInfo) for severe malarial anaemia research in Western Kenya (MIM-SM-97776) Acta Tropica 95S-SI-5506;0-126.
32. OSERO, J.S.O.; OTIENO, M.F. and **ORAGO, A.S.S.** (2005) Maternal use of insecticide treated Nets in the prevention of malaria among children under 5 years in Nyamira District, Kenya. East Afr. Med. J. 82(10)495-500.
33. ONYALO, J.; MWALA, D.M.; ANJILI, C.O.; **ORAGO, A.S.S.** and TONU, W.K. (2005) Vaccination with live attenuated *Leishmania major* promastigotes and challenge infection with *L. major* in BALB/C mice. East Afr. Med. J. 82(4)193-197.
34. ABUYA, MOLYNU, C.S.; **ORAGO, A.S.S.**; WERE, S. and MARSH, V. (2004) Quality of care provided to febrile children presenting in rural private clinics on the Kenyan Coast. Afr. Health. Sci. 3(4), 160-170
35. TONU, W.K.; NGUMBI, P.M.; MPOKE, S.; **ORAGO, A.S.S.**; MBATI, P.A.; TURCO, S.J. and MKOJI, G.M. (2004) *Leishmania major*–*Phlebotomus duboscqui* interactions: Inhibition of anti-LPG antibodies and characterization of two proteins with shared epitopes. East Afr. Med. J. 81(2)97-103
36. TONU, W.K.; MPOKE, S.; **ORAGO, A.S.S.**; MBATI, P.A.; TURCO, S.J. and MKOJI, G. (2003) *Leishmania donovani*-derived Lipophosphoglycan Plus BCG induces a Th1 immune response but does not protect Syrian Golden Hamster (*Mesocricetus auratus*) and BALB/C models against *Leishmania donovani*. Onderstepoort J. Vet. Res. 70, 255–263
37. OKWESO, J.A.; **ORAGO, A.S.S.**; WASWA, J. K. and KUBASU, S.S. (2003d) HIV and AIDS: Factors influencing risky sexual behaviour among the youth in selected secondary schools in Bondo District, Kenya. Tanzania Public Health Association 2003, 98-103, Dares Salaam, ISBN 99878809-5-9.
38. KUBASU, S.S.; **ORAGO, A.S.S.**; MUMAH, S.C.J.; WASWA, J. K. and OKWESO, J.A. (2003c). Local variation in infection rates: Mixed malaria and filariasis in *Anopheles* mosquitoes in five villages on the Kenyan coast. Tanzania Public Health Association, 2003, 50-55 Dares Salaam, ISBN 99878809-5-9.
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24. MUTISYA,M.Y,AMAN,R.A.and **ORAGO,A.S.S.** (1997)Phaseseparationand immuno- characterisation ofintegralmembraneproteinsofthetapeworm*Echinococcus granulosus* (Batsch, 1786).Abstractnumber41,5thAnnual Postgraduate ScientificConference, Department ofZoology,NewScienceComplexBuilding, KenyattaUniversity,Nairobi,Kenya,August4-7,1997.
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27. KAMAU,L.M.;**ORAGO,A.S.S.**;ESSUMAN,S.andGRUNEWALD, J.(1997)Immunizationof cattleagainst*Rhipicephalusappendiculatus*inhaemolymph-derived tick immunogens. Abstract number 36, 5th Annual Postgraduate ScientificConference,DepartmentofZoology,NewScienceComplexBuilding,Kenyatta University,Nairobi,Kenya,August4-7,1997.
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29. KUBASU, S.S. and **ORAGO, A.S.S.** (1997) The vector of malaria and filariasis in Kilifi and Kwale Districts of Kenya. Abstract number 32, 5th Annual Postgraduate Scientific Conference, Department of Zoology, New Science Complex Building, Kenyatta University Nairobi, Kenya, August 4-7, 1997.
30. OHAS, E.A., DUFFY, P.E. and **ORAGO, A.S.S.** (1997) *Plasmodium falciparum* sexual stage antigens: Immunologic recognition and parasite expression in the human host. Abstract number 10, 5th Annual Postgraduate Scientific Conference, Department of Zoology, New Science Complex Building, Kenyatta University, Nairobi, Kenya, August 4-7, 1997.
31. MULONZIA, N.W., **ORAGO, A.S.S.** and UDHAYAKUMAR, V. (1997) Determination of the effect of human immunodeficiency virus-1 and placental malaria co-infection on maternal antibody levels and transfer in pregnant women. Abstract number 9, 5th Annual Postgraduate Scientific Conference, Department of Zoology, New Science Complex Building, Kenyatta University, Nairobi, Kenya, August 4-7, 1997.
32. WASONGA, W., UDHAYAKUMAR, V. and **ORAGO, A.S.S.** (1997) A longitudinal follow-up of the natural immune response to *Plasmodium falciparum* infection in young children in an endemic area of Western Kenya. Abstract number 8, 5th Annual Postgraduate Scientific Conference, New Science Complex Building, Department of Zoology, Kenyatta University Nairobi, Kenya, August 4-7, 1997.
33. MWINZI, P.N.M.; KARANJA, D.M.S.; SECOR, E. and **ORAGO, A.S.S.** (1997) Effect of HIV-co-infection on cellular immune response to schistosomal antigens. Abstract number 7, 5th Annual Postgraduate Scientific Conference, Department of Zoology, New Science Complex Building, Kenyatta University, Nairobi, Kenya, August 4-7, 1997.
34. TONUI, W.K.; **ORAGO, A.S.S.**; ANJILI, C.O., MBATI, P.A. and KOECH, D.K. (1997). The use of major surface glycoprotein (gp63) lipophosphoglycan and whole parasite antigens as a candidate transmission blocking vaccine against *Leishmania* major in BALB/c mice. Abstract number 6, 5th Annual Postgraduate Scientific Conference, Department of Zoology, New Science Complex Building, Kenyatta University, Nairobi, Kenya, August 4-7, 1997.
35. MUTURU, M., KLOTZ, F. and **ORAGO, A.S.S.** (1997) The role of nitric oxide in non-specific immunity to *Plasmodium falciparum* malaria and *Leishmania donovani* infections in residents of endemic areas in Kenya. Abstract number 5, 5th Annual Postgraduate Scientific Conference, Department of Zoology, New Science Complex Building, Kenyatta University, Nairobi, Kenya, August 4-7, 1997.
36. MURIUKI, S.P., **ORAGO, A.S.S.** and NAESSENS, J. (1997) Mitogenic proliferative responses by adherent cell depleted peripheral blood mononuclear cells from vervet monkeys infected with *Trypanosoma rhodesiense*. Abstract number 4, 5th Annual Postgraduate Scientific Conference, Department of Zoology, New Science Complex Building, Kenyatta University, Nairobi, Kenya August 4-7 1997.
37. KAMAU, L., **ORAGO, A.S.S.** and HAWLEY, W.A. (1997) Use of short tandem repeats for analysis of genetic variability in sympatric *Anopheles gambiae* and *Anopheles arabiensis*. Abstract number 3, 5th Annual Postgraduate Scientific Conference, Department of Zoology, New Science Complex Building, August 4-7, 1997. Kenyatta University Nairobi, Kenya.
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53. OHAS, E.A.; **ORAGO, A.S.S.**; GORDON, D.M.; KASLOW, D.C. and DUFFY, P.E. (1996) Antigenic variation and immunologic recognition of sexual stage antigens of pfs25 and pfs28 in a naturally exposed population. Abstract number 20/96 17th African Health Sciences Congress 6th - 9th February 1996. KEMRI Headquarters. Nairobi, Kenya.
54. MAKOBONGO, M.; MCELROY, P.D.; GUO, W.S.; SCOTT, L.A.; SULLIVAN, A.D.; **ORAGO, A.S.S.**; OLOO, A.J. and WEISS, W.R. (1995) Lymphocyte subsets, malaria infection and disease among men in western Kenya. Abstract 305 of 44th Annual Meeting of the American Society of Tropical Medicine and Hygiene November 17-21, 1995 The Hyatt Regency, San Antonio, Texas.
55. UDHAYAKUMAR, V.; ONGECHA, J.M.; SHI, Y.P.; **ORAGO, A.S.S.**; DUFFY, P.E.; HAWLEY, W.A.; NAHLEN, B.; HOFFMAN, S.L.; WEISS, W.R. and LAL, A. (1995), Cytotoxic T cell responses to CSP of *P. falciparum* in naturally immune Kenyan adults. T reactivity of different polymorphic sequences. Abstract 28 of 44th Annual Meeting of the American Society of Tropical Medicine and Hygiene, November 17-21 1995 Hyatt Regency, San Antonio, Texas.
56. OHAS, E.A.; OGOLLA, J.M.; **ORAGO, A.S.S.**; SHI, Y.P.; UDHAYAKUMAR, V.; DUFFY, P.E. and WEISS, W.R. (1995) T cell proliferative responses to the circumsporozoite protein Th3R epitope and variants of the CTL epitope in persons resistant and susceptible to reinfection by *P. falciparum*. Paper number 18, 13th Annual Joint Scientific Conference 19-23 February 1995, Arusha International Conference Centre, Tanzania.
57. OHAS, E.A.; OGOLLA, J.M.; **ORAGO, A.S.S.**; SHI, Y.P.; UDHAYAKUMAR, V. and WEISS, W.R. (1995) T cell proliferative responses to the circumsporozoite protein TH3R epitope and variants of the CTL epitope in persons resistant and susceptible to infection by *Plasmodium falciparum*. Abstract number 44/95 16th African Health Sciences Congress 6-10 February 1995, KEMRI Headquarters, Nairobi, Kenya.
58. OFULLA, A.V.O.; KIARIE, F.; ALEMAN, G.; **ORAGO, A.S.S.**; GITHURE, J.I. and MARTIN, S.K. (1995). Antimalarial drug sensitivity testing of *P. falciparum* after 1-6 days of storage/transport at 4°C. Coronwetice. 16th African Health Sciences Congress, 6-10 February 1995, KEMRI, Nairobi, Kenya.
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62. KAMAU, L.; OPOLLO, J.M.; **ORAGO, A.S.S.**; SHI, Y.P.; UDHAYAKUMAR, V., LAL, A. and WEISS, W.R. (1994). Lymphokine responses to the *Plasmodium falciparum* CSP in Kenyans: Correlation with malaria reinfection rates. Abstract number 316 for 43rd

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American Society of Tropical Medicine and Hygiene Annual Meeting November 13-17 1994. Hyatt Regency, Cincinnati Ohio.

63. MAKOBON'GO, M.O.; WEISS, W.R. and **ORAGO, A.S.S.** (1994). A longitudinal cohort study of human natural killer and Gamma-Delta T cells in *Plasmodium falciparum* malaria. Paper number 55/94. 2nd African Immunology Conference of FAIS, Hotel Intercontinental, NAIROBI, Kenya, 23-27 October 1994.
64. OHAS, E.A.; OGOLLA, J.M.; **ORAGO, A.S.S.**; SHI, P. Y.; UDHAYAKUMAR, V. and WEISS, W.R. (1994). T cell proliferative response to circumsporozoite protein Th2R and Th3R peptides in persons resistant and susceptible to reinfection by *Plasmodium falciparum*. Paper number 51/94. 2nd African Immunology Conference of FAIS, Hotel Intercontinental, NAIROBI, Kenya, 23-27 October 1994.
65. ONGECHA, J.M.O.; **ORAGO, A.S.S.**; LAL, A.A.; UDHAYAKUMAR, V.; YA-PING, S. and WEISS, W.R. (1994). Cytotoxic T Lymphocyte (CTL) response to *P. falciparum* circumsporozoite protein variants in naturally-exposed adults in a malaria endemic area of Western Kenya. Paper number 50/94. 2nd African Immunology Conference of FAIS, Hotel Intercontinental, Nairobi, KENYA, 23-27 October 1994.
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67. **ORAGO, A.S.S.** and ONGECHA, J.M. (1994) Activation of human monocytes by *Plasmodium falciparum* crude blood-stage antigen to produce tumour necrosis factor-alpha *in vitro*. Paper Number 049.6(1210) presented at the VIIIth International Congress of Parasitology, IZMIR- Turkey, 10-14 October 1994.
68. NOLEGA, B.A. and **ORAGO, A.S.S.** (1994) ABO blood group distribution and disease severity in patients with acute *Plasmodium falciparum* malaria in an endemic area of Western Kenya. Paper number 010.6(1211) presented at the VIIIth International Congress of Parasitology. IZMIR-Turkey, 10-14 October 1994.
69. BAGAEKOTE, S.G.; **ORAGO, A.S.S.** and MEHTA, J.P.S. (1994) CD4T cell variations in patients with coinfectious visceral leishmaniasis in HIV-1 and HIV-2 infections. Paper number Abstr. 81190. 6th International Congress for Infections Diseases, Prague Czech Republic, April 26-30 1994.
70. ISABOKE, M.G.; KIMANI, G. and **ORAGO, A.S.S.** (1994). The apparent involvement of an immune response in the induction of anaemia in *Schistosoma mansoni* in Balb/C mice. Paper number P.44/94. 15th African Health Sciences Congress, KEMRI HQS, Nairobi 7-11 Feb. 1994.
71. MENGE, J.B.; **ORAGO, A.S.S.** and ONYANGO, T.G. (1994) Investigation of age-related and antitoxic immunity to *Plasmodium berghei* malaria in the mouse. Paper number P.39/94. 15th African Health Sciences Congress, KEMRI HQS, Nairobi, 7-11 Feb. 1994.
72. GITONGA, L.M. and **ORAGO, A.S.S.** (1994) Effects of dexamethasone treatment on antibody response and anaemia in Sprague Dawley rats infected with *Trypanosoma brucei*. Paper number p.32/94. 15th African Health Sciences Congress, KEMRI HQS, Nairobi 7-11 Feb, 1994.
73. **ORAGO, A.S.S.**; FACER, C.A. and MAKOBON'GO, M.O., (1994) Differential cytokine dependent cytolytic ability of human natural killer cells for *Plasmodium-falciparum* schizonts. Paper No Ab.54/94. 15th African health Sciences Congress. KEMRI HQS, Nairobi 7-11 Feb. 1994.
74. **ORAGO, A.S.S.** and ONGECHA, J.M. (1994). Activation of human monocytes by *Plasmodium falciparum*-crude blood-stage antigen to produce tumour necrosis factor-alpha *in vitro*. Paper number Ab.53/94-15th African Health Sciences Congress. KEMRI HQS, Nairobi, 7-11 Feb. 1994.

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76. WAMACHIA, N.; OTHORO, C.; ODERAE, A.O.; KURTZHALS, J.A.; GITHURE, J.I.; **ORAGO, A.S.S.**; MITEMA, S.E., and KOECH, D.K. (1994). T cell immune activity to specific antigen of *Leishmania donovani*. Paper number Ab. 49/94. 15th African Health Science Congress, KEMRI HQS, Nairobi, 7-11 Feb. 1994.
77. KONA, S.E.; ONYANGO, T.G.; ONDIKA, P.S.; and **ORAGO, A.S.S.** (1994) Antimalarial activity of a crude root-extract of *Bidens pilosa* (Compositae) in 30-day old Sprague Dawley rats infected with *Plasmodium berghei*. Paper number Ab. 17/94. 15th African Health Sciences Congress. KEMRI HQS, Nairobi 7-11 Feb. 1994.
78. BARASA, J.E. and **ORAGO, A.S.S.** (1993) Cellularity and splenic histopathology in mice infected with *Plasmodium berghei*. Paper number P.09/93. 14th Annual Medical Scientific Conference of KEMRI/KETRI, KEMRI HQS, Nairobi, 1-5 Feb. 1993.
79. **ORAGO, A.S.S.** (1993). Cytokine inhibition of the growth of *Plasmodium falciparum* in vitro: Reversal of this effect by anti-cytokine antibodies. Paper number 60/93. 14th Annual Medical Scientific Conference of KEMRI/KETRI, KEMRI HQS, Nairobi, 1-5 Feb. 1993.
80. ODERA, E.A.O.; OTHORO, C.; WAMACHI, A.; **ORAGO, A.S.S.**; MITEMA, S.O. and KOECH, D.K. (1993) Cellular immune reactivity of a population in Masinga Location, Kenya, to specific antigen of *Leishmania donovani*. Paper number 59/93. 14th Annual Medical Scientific Conference of KEMRI/KETRI, KEMRI HQS, Nairobi, 1-5 Feb. 1993.
81. WATTIMAH, D. and **ORAGO, A.S.S.** (1993) Cellular changes in *Plasmodium falciparum* malaria: Analysis of haematological and immune parameters in acute malaria, asymptomatic and semi-immune individual's resident in malaria endemic areas of Busia District of Western Kenya. Paper number 32/93 of the 14th Annual Medical Scientific Conference of KEMRI and KETRI, KEMRI HQS, Nairobi, 1-5 February 1993.
82. KONA, S.E. and **ORAGO, A.S.S.** (1993). Antimalarial activity of a crude extract of *Bidens pilosa* (Compositae) roots in 30-day old Sprague Dawley rats infected with the rodent malaria parasite. *Plasmodium berghei* Paper No 15/93, 14th Annual Medical Scientific Conference of KEMRI and KETRI, KEMRI Headquarters, Mbagathi Road, Nairobi 1-5 February 1993.
83. **ORAGO, A.S.S.**; BAGALKOTE, S.G. and MEHTA, S. (1993) CD4 T cell variations in patients with coinfectious visceral leishmaniasis/HIV-1 infections. Abstract No. MPA022 for the VIIth International Conference on AIDS in Africa and VIIIth African Conference on STDs/TDs Morocco, Dec 12-16, 1993.
84. OFULLA, A.V.O.; **ORAGO, A.S.S.**; GITHURE, J.I.; BURANS, J.P.; ALEMANG, M.; JOHNSON, A.J., and MARTINS, K. (1993). Use of serum-free medium in the determination of *Plasmodium falciparum* drug sensitivity. Abstract number 291 for scientific meeting of the American Society for Tropical Medicine and Hygiene, October 31 - November 4, 1993, Hyatt Regency, Atlanta, Georgia, USA.
85. BAGALKOTE, S.G.; MEHTA, S. and **ORAGO, A.S.S.** (1993) *Leishmania* as an opportunistic infection in HIV-1 and HIV-2 positive patients in a medical centre in Nairobi. A paper for presentation at the IXth International Conference on AIDS and IVth STD World Congress. BERLIN, June 7-11 1993.
86. **ORAGO, A.S.S.** (1992) Cytokine inhibition of the growth of *Plasmodium falciparum* in vitro: reversal of this effect by anti-cytokine antibodies. An oral presentation at the 8th International Congress of Immunology in Budapest, Hungary, August 23rd-28th, 1992.
87. **ORAGO, A.S.S.** and FACER, C.A. (1991) HIV-1 seropositivity among hospital outpatient attendants in Western Ken. A paper presented during a laboratory Meeting of the Royal Society of Tropical Medicine and Hygiene at the Royal London Hospital Medical College Whitechapel, April 18, 1991.
88. **ORAGO, A.S.S.** and FACER, C. A. (1991). The malaristatic effects of cytokines on *P.*

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falciparum in vitro. A poster presented at the Spring Meeting of the British Society for Parasitology at the University of Liverpool, March, 1991.

89. **ORAGO, A.S.S.** and FACER, C.A. (1991) Cytokines inhibit the growth of *P. falciparum* in vitro. A poster presented to the British Society of Parasitology, 3rd Malaria Meeting Royal College of Physicians Edinburgh, 13th-16th February, 1991.
90. **ORAGO, A.S.S.** and FACER, C.A. (1990). Functional and numerical analysis of NK cells and subsets in malaria. A paper presented at the Spring Meeting of the British Society for Parasitology at the University of Aberdeen, April, 1990.
91. **ORAGO, A.S.S.**; SOLOMON, J.B. and OKELO, O. (1985). Cellular immunity in a nagerelated rodent model for childhood malaria. A paper presented at the VIII International Congress of Protozoology, 22- 29 June 1985, KICC, Nairobi, Kenya.
92. **ORAGO, A.S.S.** and SOLOMON J.B. (1984) Antibody-dependent and -independent cellular cytotoxicity in a nagerelated rat model for childhood malaria. A paper read to the British Society of Immunology, Autumn Meeting, Kensington Town Hall, London November 7-9, 1984.

8. CONFERENCES, WORKSHOPS AND SEMINARS ATTENDED:

1. The BIT Major Diseases Clinical Summit (2013) – November 5-7, 2013 Gromada Airport Hotel, Warsaw, Poland.
2. The XIX International AIDS Conference (AIDS 2012), July 22-27, 2012 at the Walter E. Washington Convention Center in Washington DC, USA.
3. The 30th Meeting of UNAIDS PCB, June 5-7, 2012, Geneva, Switzerland.
4. The 29th Meeting of UNAIDS PCB, December 13-15, 2011, Geneva, Switzerland.
5. The 6th International AIDS Society Conference on HIV Pathogenesis, Treatment and Prevention (IAS, 2011) July 17-20, 2011 in Rome, Italy.
6. The 28th Meeting of UNAIDS PCB, June 21-23, 2011, Geneva Switzerland (WHO Executive Board Room).
7. The UN High Level Meeting on AIDS – Political Declaration on HIV and AIDS: Intensifying our efforts to eliminate HIV and AIDS, June 8-10, 2011, New York, USA.
8. The 27th Meeting of UNAIDS PCB, December 6-8, 2010, Geneva, Switzerland.
9. The XVIII International AIDS Conference (AIDS 2010), July 18-23, 2010 in Vienna, Austria.
10. The 26th Meeting of UNAIDS PCB, June 22-24, 2010, Geneva, Switzerland.
11. The 20th Board Meeting of the Global Fund to Fight AIDS, TB and Malaria, Addis Ababa, Ethiopia, November 9-11, 2009.
12. The 24th Meeting of UNAIDS PCB, June 22-24, 2009, Geneva, Switzerland.
13. The 23rd Meeting of UNAIDS PCB, December 15-17, 2008, Geneva, Switzerland.
14. The XV International Conference on AIDS and Sexually Transmitted Infections in Africa (ICASA), December 3-7, 2008, Dakar, Senegal.
15. The 21st Meeting of UNAIDS PCB, December 17-18, 2007, Geneva, Switzerland.
16. The UN General Assembly Commemorative High Level Plenary Meeting devoted to the follow-up to the outcome of the special session of children, December 11-12, 2007, New York, USA.
17. The 20th Meeting of UNAIDS PCB, June 25-27, 2007, Geneva, Switzerland.
18. The 19th (Sixth Ad Hoc) Meeting of UNAIDS PCB, December 6-8, 2006, Lusaka, Zambia.
19. The XVII International AIDS Conference (AIDS 2006) August 11-17, 2006, Toronto, Canada.
20. The 18th meeting of UNAIDS PCB, June 27-28, 2006, Geneva, Switzerland.
21. The UN General Assembly Special Session on HIV and AIDS (UNGASS) – Political Declaration on HIV and AIDS: Uniting the World Against AIDS – Towards Universal Access to HIV prevention, treatment, care and support. May 31-June 2, 2006, New York, USA.
22. The 38th Session of the UN Commission on Population and Development: Population,

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Development, HIV and AIDS and Poverty. April 4-8, 2005, New York, USA.

23. The UN General Assembly Special Session on HIV and AIDS (UNGASS). Declaration of commitment on HIV and AIDS: Global Crisis-Global Action; June 25-27, 2001, New York, USA.
24. 48th Annual meeting of the American Society of Tropical Medicine and Hygiene Washington, D.C. 28th November to December 2, 1999.
25. Biomedicine in Africa, Asia, Eastern Europe and Latin America, Oxford International Biomedical Centre, Westwood Country Hotel, Oxford, 12-15 April, 2004
26. M1M Africa malaria Conference in Durban, South Africa, March 14-19, 1999.
27. Developing Global Bioresources through the European Union, Oxford International Biomedical Centre Westwood Country Hotel Oxford 7-8 December 1998.
28. Peer Counselors Training on Sexuality, Substance abuse, Sexually Transmitted infections and Counseling Skills-organized by Kenyatta University Family Welfare and Counseling Project- Monday 11th to Monday 18th May 1998.
29. Nyanza Provincial Headteachers' Association-Workshop on Guidance and Counseling for Teacher-Counselors at Nyamira Technical Institute Homa Bay High School, Nyabisawa Girls High School, Kereri Girls High and Kisumu Girls High Schools April 1-30, 1998.
30. Biomedicine in Developing Countries 4th Oxford Conference organized by the Oxford International Biomedical Centre, 30 March-1 April 1998 at Worcester College, Oxford, United Kingdom.
31. 5th Annual Postgraduate Scientific Conference Science Complex Building, Kenyatta University, August 4-7, 1997.
32. 3rd Federation of African Immunological Societies Congress (FAIS) -9th Biennial South African Immunology Society Congress (SAIS)-4th South African Society for Free Radical Research Congress (SASFRR) and Allergy Society of South Africa Symposium (ALLSA), Arthur's Seat Hotel, Cape Town, South Africa 9-13 March 1997.
33. Medic Africa East 1996 Organized by FSG Communications Ltd., UK The Grand Regency Hotel, Nairobi, Kenya September 10-12 1996.
34. NATO Advanced Studies Institute Conference on Vaccine Design The role of cytokine networks 24 June-5 July 1996, Cape Sourion Beach, Greece.
35. 14th Euroconference at the Institute Pasteur Paris June 26-28, 1996 on Emerging Viruses Their changing ecological patterns.
36. 17th African Health Sciences Congress, K.EMR1 Headquarters, Nairobi, Kenya February 6-9, 1996.
37. 16th African Health Sciences Congress KEMRI Headquarters, Nairobi 6-10 Feb. 1995.
38. 2nd African Immunology Conference of FAIS, Hotel Intercontinental, Nairobi, 23-27 October 1994.
39. 8th International Congress of Parasitology, IZMIR, Turkey 10-14 October 1994.
40. 15th African Health Sciences Congress, KEMRI Headquarters, Nairobi 7-11 Feb, 1994.
41. 14th Annual Medical Scientific Conference of KEMRI/KETRI at KEMRI Headquarters, Nairobi. Feb. 1993.
42. Ministry of Health Kenya-1st National Meeting on AIDS and HIV-infections, KICC Nairobi April 21-23, 1993.
43. FAO Technical Consultation meeting on Trypanosomiasis 16-19 February, 1993 at ILRAD, Nairobi, Kenya.
44. Pre-service Diploma Biology Syllabus Review Workshop, Nairobi September 14-25 1992 supported by Kenya Institute of Education.
45. 8th International Congress of Immunology, Budapest, Hungary August 23-28th, 1992 Supported by the International Union of Immunological Societies (USA).
46. One week Workshop on "Tropical Medicine Update 1992" at the Liverpool School of Hygiene and Tropical Medicine, University of Liverpool, UK June 7-13, 1992 Supported by the British Council and UNESCO (ROSTA).
47. External Programme Review Team-Kenya National Aids Control Programme-1st Medium Term. March 2- 27 1992, supported by World Health Organization (WHO).
48. Laboratory Meeting of the Royal Society of Tropical Medicine and Hygiene at the Royal London Hospital

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Medical College of the University of London, Whitechapel, London April 18, 1991.

49. The Spring Meeting of the British Society of Immunology at Kensington Town Hall, London March 1991.
50. The Autumn Meeting of the British Society for Parasitology at the University of Liverpool, UK July 1991.
51. The 3rd Malaria Meeting of the British Society for Parasitology at the Royal College of Physicians of Edinburgh, 13-16th February, 1991.
52. The Spring Meeting of the British Society of Immunology, Kensington Town Hall, London, March, 1991.
53. The 2nd Malaria Meeting of the British Society for Parasitology - the London Zoo 4th February, 1990.
54. The Autumn Meeting of the British Society of Immunology, University of Strathclyde, 19-22nd July, 1988.
55. ILRAD Workshop - The characterization of the MHC class II region and products and their association with disease Resistance/susceptibility, 28th September - October 1st 1987, ILRAD, Nairobi, Kenya.
56. The VIII International Congress of Protozoology, 22-29 June 1985, Kenya International Conference Centre, Nairobi, Kenya.
57. Spring Meeting of the British Society for Immunology Kensington Town Hall, London, April 10-12, 1984.
58. The Application of Ruminant Immunology for the control of Bovine Diseases. International Conference held at ILRAD NAIROBI Kenya 26- 30 September 1983.
59. The Nairobi Cluster Scientific Meeting 7-8 June 1982 on 'Strategies and Recent Developments for the control of Trypanosomiasis and East Coast Fever, ILRAD, Nairobi, Kenya.
60. The third International Conference of the Association of Institutes for Tropical Veterinary Medicine on Impact of Animal Disease Research and Control of Livestock Production in Africa 1-5 September, 1980, ILRAD Nairobi, Kenya.

9. CONSULTANCIES UNDERTAKEN:

- Has been a Public Health Consultant for:
 - (i) Homa Bay County Government.
(2014 -2015)
 - ✓ AIDS Strategic Plan (2014 -2019).
 - ✓ HIV and AIDS Coordination Framework.
 - ✓ AIDS Resource Mobilization Strategy.
 - (ii) UNFPA (June – October 2015)
 - Development of a Comprehensive Multisectoral HIV Prevention Programme for Adolescents and Youth in South Sudan.
 - (iii) The Inter-Governmental Authority on Development (IGAD) Regional HIV and AIDS Partnerships Programme (IRAPP 2007 -2014).
 - (iv) UNAIDS (2010 -2011) – Regional Consultants leading to High Level Meeting on AIDS in New York in 2011.
 - (v) The World Bank/The Great Lakes Initiative on AIDS (GLIA) 2005 – 2009.
 - (vi) The World Bank/African Regional Capacity Building Network for HIV and AIDS Prevention, Treatment and Care (ARCAN) Project – 2004 -2009.

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- (vii) The World Bank/The National Museums of Kenya – Evaluating the Scientific basis of the therapeutic potential of concoctions derived from medicinal plants in Kenya 2004 – 2005/Evaluating of institutional arrangements for the integration of indigenous (traditional) medical practices into the National Health Care System in Kenya.
- (viii) The Commission for Higher Education (CHE)/Ministry of Education Science and Technology (MOEST) – 2000 – 2002: Evaluation of B.Sc. Programmes in Biology and Zoology offered by the Universities of Eastern African Baraton and Catholic University of Eastern Africa (CUEA).
- (ix) UNICEF/GOK: Causal Analysis for Children in Need of Special Protection in 13 Representative Districts for the Kenyan Situation – October 1998 – March 1999.
- (x) WHO/GOK (MOH/NASCOP): External Programme Review – Kenya National AIDS Control Programme – First Medium Term, March 2 – 27, 1992.

10. MEMBERSHIP OF LOCAL AND INTERNATIONAL BODIES

Member of:

- a) The Royal Society of Tropical Medicines and Hygiene
- b) The British Society for Immunology
- c) The International Union of Immunological Society
- d) The International Cytokine Group
- e) The British Society for Parasitology
- f) The Institute of Biology
- g) The Kenya Immunological Society
- h) The East African Society of Parasitologists
- i) The Wildlife Club of Kenya Secretary to the Kenya Society for Immunology

11. EXTRACURRICULAR ACTIVITIES AND HOBBIES

- a) Soccer
- b) Athletics
- c) Tennis
- d) Music

12. SUPERVISED RESEARCH STUDENTS

(a) Doctor of Philosophy Students- Past and Current

1. OFULLA, A.V.O. Serum-free medium for *in vitro* studies of *Plasmodium falciparum* – Graduated, 1995.
2. MBATI, P.A. Use of chelators in the experimental chemotherapy of visceral leishmaniasis – Graduated, 1995.
3. ODERA, E.A. Evaluation of fractions of *Leishmania* in the immunodiagnosis of visceral leishmaniasis in Kenya – Graduated, 1995.
4. MBOGO, S. K. Induction of resistance to *Rhipicephalus appendiculatus* Neumann in New Zealand White rabbits through immunization with commercial moulting hormones and tick-derived haemolymph, - Graduated, 1995.
5. SIKA, FRAKUTUA Behavioural responses of *Rhipicephalus appendiculatus* (Neumann, 1910) to host and non-host semiochemicals – Graduated, 1997.

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6. SHILILU, J.I. Malaria in Kakamega District: Vector species composition, transmission patterns and the effect of mefloquine on sporogony—Graduated, 1997.
7. KUBASU, S.S. The vectors of malaria and filariasis in Kilifi and Kwale Districts of Kenya—Graduated, 1998.
8. LUNAKAMA Uuse of short tandem repeats (STRs) for genetic variability studies of *Anopheles gambiae* mosquitoes from Kenya—Graduated, 1998.
9. ROSE OGWANG-ODHIAMBO (1997) Development and use of parasite lactate dehydrogenase (LDH) assay for research, diagnosis and screening of antimalarial drugs in Kenya—Graduated, 2000.
10. ONG'ECHA, J.M. (1999) Characterization of cytotoxic lymphocyte responses to pre-erythrocytic stage candidate vaccine antigens in Kenyans naturally exposed to *Plasmodium falciparum* malaria—Graduated, 2002.
11. GICHERU, M.M. (1999) The vervet monkey model for leishmaniasis: Characterization, protective immunity and vaccination against *leishmania major* infection. Graduated, 2002.
12. TONUI, W.K. Evaluation of Leishmania donovani-derived lipophosphoglycan as a candidate vaccine against visceral leishmaniasis in murine models. Graduated, 2002.
13. MAKOKHA, E.P. (1999) Mother to child transmission of HIV-type 1: Mechanisms of cellular immunity associated with chemoprophylactic intervention—Graduated, 2003.
14. KARIUKI, S.K. (1999) Effects of insecticide-impregnated bed nets on cellular and humoral immune responses in residents of a malaria hyperendemic area of Western Kenya—Graduated, 2003.
15. MISIANI, E.A. (1999) The role of arthropod vectors in the transmission of lumpy skin disease in cattle—Graduated, 2004.
16. MWINZIP, N.M. (2002) Cellular immune responses in susceptible and resistant schistosomiasis patients co-infected with HIV-1 in Kisumu District, Kenya. Graduated, 2005.
17. ORINDA, S.M. The anti-leishmanial activity of some Kenyan medicinal plant extracts in golden hamsters. Graduating, 2016.
18. LUCY MUTHONI KAMAU (1997) Isolation, recombinant expression and characterization of polymorphism of BM86 vaccine antigen homologues from *Rhipicephalus appendiculatus*. Graduated, 2006.
19. OTHERODOREEN MALOBA (2003) Effectiveness of the "Dialogue Model" as an interactive communication tool for the Community Integrated Management of Childhood Illnesses strategy: A study of Nyando District, Kenya. Graduated, 2007.
20. COLLINS OUMA (2004) Genetic variation in cytokines and effectors as determinants of susceptibility and clinical outcomes of severe malarial anaemia in children in Western Kenya—Graduated, 2007.
21. TOMWERE (2004) Molecular immunologic basis of bacteraemia and *Plasmodium falciparum* malaria infection among children from Siaya District, Western Kenya—Graduated, 2008.
22. LILIAN ADHIAMBO OGONDA (2011) Expression of FcγRIII, CR3, Intracellular Tumour Necrosis Factor Alpha and Nitric Oxide production by monocytes from children with *Plasmodium falciparum* malaria. Graduated, 2008.
23. STEPHEN MOGERE (2004) Development and assessment of geographical medical information support systems for malaria research in Western Kenya—Graduated 2008
24. GEORGE AYODO (2003) Associating genetic variation to resistance to severe malaria in Kenya—Graduated, 2008
25. JOHN PAUL OYORE (2006) Challenges in the scaling up of Anti-Retroviral Therapy: The case of selected low and high HIV prevalence Districts in Kenya. Graduated, 2009.
26. ERICK KIPSANG MIBEI (2005) Class and subclass antibody analysis of circulating immune

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complexes in children with severe *Plasmodium falciparum* malaria in endemic regions of Western Kenya—Graduated, 2009.

27. BENARD OCHIENG' GUYA (2005) Swain-Langley and McCoy genotype polymorphism of complement receptor -1 and severe *Plasmodium falciparum* malaria in Western Kenya—Graduated 2009
28. MOHAMED KARAMA (2004) Determinants of socio-cultural risk factors in HIV infections and AIDS among Muslims in Kenya—Graduated, 2009.
29. JOSEPHA. OKWESO (2004) Infection control in health facilities in Kenya: A case study for Healthcare Waste Management—(184/9506/2004). Graduating, 2016.
30. WILFRIDA N. KAHIGI (2006) The population structure of *Biomphalaria* species and the epidemiology of schistosomiasis in the Lake Victoria Basin of Western Kenya— Graduating 2017.
31. LT. COLN. MOHAMED YUSSU SELMI (2006) Voluntary Counselling and Testing as a strategic behaviour change tool in the prevention and control of HIV and AIDS in the Military. Graduated, 2012.
32. JOACHIM OSUR (2012) Drivers, decision making processes and outcomes of unsafe abortion in four districts of Siaya County, Kenya. Graduated, 2012.
33. PETER ODADA SUMBA (2007) Nutrition deficiency as a risk factor for endemic Burkitt's Lymphoma in Western Kenya—Graduated, 2010.
34. JULIANA MISORE (2014) Community initiatives towards care and support of vulnerable children in Suba District of Nyanza Province (184/15145/2004). Graduating, 2016.
35. JOHN MATHEKA KIOKO (2014) In-utero exposure to *Wuchereria bancrofti* and *Schistosoma haematobium*: Effect on immune responses to *Bacille Calmette Guerin* and *Haemophilus influenzae* type B vaccine in human babies (184/7732/2002). Graduating, 2016.

(b) Master of Science, Master of Public Health and Epidemiology and Master of Public Health Students at Kenyatta University—Past and Current

1. INYAMA J. S. (1991) Pyridoxal Kinase activity in *Plasmodium falciparum* and *Plasmodium berghei* *in vitro*—Graduated, 1991—M.Sc.
2. GITONGAL M. (1991) Effects of dexamethasone treatment on the antibody responses and anaemia in rats infected with *Trypanosoma brucei brucei*— Graduated 1991—M.Sc.
3. MACHENERI G.I. (1991) The apparent involvement of an immune response in the induction of anaemia in *Schistosoma mansoni* infected mice—Graduated 1991—M.Sc.
4. WATTIMAH, D.N. (1992) Cellular changes in *Plasmodium falciparum* malaria: Analysis of haematological and immune parameters in acute malaria, asymptomatic and semi-immune individual residents in malaria endemic areas of Busia District of Western Kenya—Graduated 1992—M.Sc.
5. MENGE J.B. (1992) Investigation of age-related and antitoxic immunity to *Plasmodium berghei* malaria in the mouse— Graduated 1992—M.Sc.
6. NJUNGE, L. (1995) Protective responses in *Plasmodium falciparum* malaria: Interferon gamma and interleukin-4 production by malaria-antigen-stimulated CD44⁺ and CD8⁺ T cells from individuals resistant and those susceptible to re-infection with *Plasmodium falciparum*— Graduated 1995—M.Sc.
7. ONG'ECHA, J.M.O. (1995) Cytolytic activity of CD4⁺ and CD8⁺ T-lymphocytes in *Plasmodium falciparum* malaria susceptible and resistant individuals in malaria endemic areas of Western Kenya—Graduated 1995—M.Sc.
8. MAKOBONG'O, M.O. (1996) A longitudinal cohort study of human natural killer and gamma-delta T cells in *Plasmodium falciparum* malaria—Graduated 1996—M.Sc.
9. ALICE NYAKERIGA (1996) Cellular and humoral immune response to Spf66 malaria vaccine in

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an endemic area of Western Kenya- Graduated, 1996–M.Sc.

10. WACHIRA, D.W. (1996) A comparative study of malaria prevalence in pregnant women residents of hyperendemic and mesoendemic areas of Kenya- Graduated, 1996–M.Sc.
11. OHAS, E.A. (1996) Developing a multicomponent malaria vaccine: Immunologic and genetic analysis of selected *Plasmodium falciparum* surface proteins- Graduated, 1997 – M.Sc.
12. WASONGA, W. (1996) A longitudinal follow-up of the natural immune response in *Plasmodium falciparum* infection in African children- Graduated, 1997–M.Sc.
13. OTHORO, C.A. (1996) Cytokine regulation during acute *Plasmodium falciparum* infection in African children— Graduated, 1997–M.Sc.
14. MUTURI, M. (1996) The role of nitric oxide in non-specific immunity to *Plasmodium falciparum* malaria and *Leishmania donovani* infections in residents of endemic areas in Kenya- Graduated, 1997- M.Sc.
15. MWINZI, P.N.M. (1997) Alterations of cytokine response profiles in schistosomiasis patients following praziquantel treatment- Graduated, 1997–M.Sc.
16. MULONZIA, N.W. (1997) Determination of the effect of human immunodeficiency virus and placental malaria coinfection on maternal antibody transfer- Graduated, 1998–M.Sc.
17. TONUI, W.K. (1997) Use of purified and whole parasite antigens as candidate transmission blocking vaccines against *Leishmania major* in BALB/c mice. Graduated, 1998– M.Sc.
18. YALO, M. M. (1996) Phase separation and immuno-characterization of integral membrane proteins of the tapeworm, *Echinococcus granulosus*. Graduated, 1999–M.Sc.
19. KAHIGI, W.N. (1997) Snail vectors of *Schistosoma mansoni*: Dynamics, infection and re-infection rates in individuals occupationally exposed to Lake Victoria waters in Kisumu municipality. Graduated, 2000–M.Sc.
20. WERE, T. (1998) An investigation of natural immune responses to CDC/NII MALVAC-1 of *Plasmodium falciparum* and their association with clinical Protection against malaria in individuals resident in western Kenya. Graduated, 2001–M.Sc.
21. ONYALO, J.A. (1998) Experiment immunization against *Leishmania major* using live avirulent and heat attenuated virulent *Leishmania major* strains in BALB/c mice- Graduated, 2001–M.Sc.
22. KIIO, M.N. (1998) Pathogenesis and immune responses in new-born African green monkeys (*Cercopithecus aethiops*) infected with simian immunodeficiency virus – Graduated, 2002–M.Sc.
23. ARUDO, J. O. (1998) Estimation of malaria-related mortality in children under 5 years of age using a passive surveillance method in rural Western Kenya. Graduated, 2001–(MPHE).
24. OTIENO, B.S. (1998) Accidents as an occupational health problem: a CASE OF Babadogo Industrial Area of Nairobi, Kenya. Graduated, 2001–MPHE.
25. WAMAKIMA, F.M. (1998) Antimalarial activity of some Kenyan plants used in traditional medicine. Graduated, 2002 –M.Sc.
26. OGONDA, L.A. (1999) The expression of LFA-1, MAC-1 and ICAM-1 on leucocyte from patients with complicated and uncomplicated *Plasmodium falciparum* malaria. Graduated, 2002–M.Sc.
27. ABUYA, T.O. (2000) A descriptive study of private clinics in a malaria endemic area on the Kenyan Coast: Quality of care and patients compliance. Graduated, 2002–MPHE.
28. ARODI, W.O. (2000) Characterization of monoclonal antibodies to bovine interleukin-2 and the use of these antibodies in development of a sensitive ELISA. Graduated, 2002–M.Sc.
29. SIMBA, M.A (2000) Climate-related temporal distribution of clinical malaria in Narok and Tansmara Districts, Kenya. Graduated, 2002 –MPHE.
30. MIBEI, E.K. (2000) The role of circulating immune complexes in the pathogenesis of severe *Plasmodium falciparum* malaria. Graduated, 2003–M.Sc.

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31. GUYAH, B. (2000) *Plasmodium falciparum* field isolates: Preference for glyco-phorin-A-independent invasion pathways of human erythrocytes in Western Kenya. Graduated, 2003–M.Sc.
32. ODHIAMBO, F.O (2000) Effects of sustained use of insecticide-treated bednets on malaria specific morbidity in childhood in Asembo, Rarieda Division, Bondo District of Western Kenya. Graduated, 2003 –MPHE.
33. OLUOCH, R.P (2000) Evaluation of a diagnostic algorithm in children infected with malaria using signs and symptoms observed by their mothers in Western Kenya. Graduated 2002– MPHE.
34. SYAGGA, E. A (2000) Village bed-net committees: Evaluation of the performance, use and maintenance of insecticide-treated bednets in Rarieda, Western Kenya. Graduated, 2002–MPHE.
35. NDIEKA, R.N (2000) Socio-cultural and economic factors in procurement and rational use of insecticide-treated bednets, in Busia District, Kenya. Graduated, 2003– MPHE.
36. KIPKORIR, F. (2000) The effect of changed health care financing on levels of malaria specific morbidity and mortality in Kericho District, Kenya. Graduated, 2002–MPHE.
37. NKAM, T.E. (2000) Socio-cultural determinants of pregnancy and the spread of sexually transmitted infections among adolescent residents of Kakuma Refugee Camp, Northern Kenya. Graduated, 2002–MPHE.
38. MOHAMED, KARAMA (2000) The reliability of a questionnaire-based self-diagnosis in estimating the prevalence of *Schistosoma haematobium* in Kwale District, Kenya. Graduated, 2002–MPHE.
39. JOSEPH ARUNGOK WESO (2000) HIV and AIDS: Factors influencing risky sexual behaviour among the youth in selected secondary schools in Bondo District, Kenya. Graduated, 2002–MPHE.
40. NANDILI, MARY C. ISHEPE (2001) Emergency relief, household food security and responses in Baringo District, Kenya. Graduated, 2003–MPHE.
41. KEBASO, JOHNNY ABERA (2001) Prevalence, major complications of diabetes mellitus and compliance in diabetic patients seeking treatment at Kenyatta National Hospital, Kenya. Graduated, 2003 –MPHE.
42. KARIUKI, JOHNGACHUKI (2001) Food handling practices and the prevalence of foodborne pathogens among food handlers in Embu Municipality, Kenya. Graduated 2003– MPHE.
43. KINOTI, CAROLINE KATHA (2001) Pupils' health practices and the Health Education curriculum in Primary Schools in Meru Central District, Meru West Division, Kenya. Graduated, 2003–M.P.H.E.
44. ODANGA, JOSEPHINE ALUOCH (2001) The impact of routine measles immunization on child morbidity and mortality in Homa Bay District, Kenya. Graduated, 2003–M.P.H.E.
45. MAINGI, SAMUEL GIKUNJU (2001) Determination of the prevalence of typhoid in National, Provincial and selected District Hospitals in Kenya. Graduated, 2003–M.P.H.E.
46. MUMAH SOLOMON, C.J. (2001) HIV and AIDS: Relationship between knowledge, attitudes and sexual practices of Primary School Teachers in Rachuonyo District, Kenya. Graduated, 2003 –M.Ed.
47. PETER, M. MBATHA (2002) Determination of the prevalence of Contagious Bovine Pleuropneumonia in Kenya: Comparison of Complement Fixation Test and Bacterial culture. Graduated, 2004–M.Sc.
48. TERESA AWINO ODHONG (2001) Sexually transmitted infections: Knowledge, Attitudes, Practices and Health-Seeking Behaviour among patients in a Special Treatment Care Centre in Nairobi, Kenya. Graduated, 2004 –MPHE.
49. TERESA MWIKALI KYULU (2001) Factors influencing the user choice of Integrated and Stand-Alone Voluntary Counselling and Testing sites in Nairobi Province, Kenya. Graduated, 2005–MPHE.
50. EDWIN KIMUTAI, (2001) Effects of improved water supply and sanitation on prevalence of diarrhea in Uasin Gishu District, Kenya. Graduated, 2003 –MPHE.

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51. THADEUS OBADHAODENYO (2002) Assessment of knowledge, Attitude and Practices towards malaria prevention and control among primary school children in Busia District, Kenya. Graduated, 2005 – MPHE.
52. FIDELIS GATHONI MBUGUA (2002) Consumer knowledge of health risk associated with marketed milk: A case study of Kibera Division, Nairobi, Kenya. Graduated, 2005 – M.P.H.E.
53. JUDITH KARIMIN. OTELE (2003) Gender disparities in the utilization of Voluntary Counselling and Testing Services for HIV in Nairobi Province, Kenya. Graduated, 2005 – M.P.H.E.
54. OSERO JUSTUS O.S. (2003) Maternal use of insecticide-treated nets in the prevention of malaria among children under five years in Nyamira District, Kenya. Graduated, 2005 – M.P.H.E.
55. EVALYNE, M. MUGAMBI (2003) Personal hygiene and sanitation practices of pupils: A Comparison between an intervention control site in Kajjido District, Kenya. Graduated, 2005 – MPHE.
56. STEPHEN MAGANA GIKUNDA (2001) Utilization of amodiaquine and sulphadoxine-pyrimethamine and the prevalence of antimalarial drug resistance in Bungoma District, Kenya. Graduated, 2005 – M.P.H.E.
57. MAJORMOHAMED YUSSUFELMI (2000) Female Genital Mutilation: Health-related problems among the Somali Community in Garissa Town, Kenya. Graduated, 2003 – MPHE.
58. ELIZABETH CHOKA (2004) Barrier to child nutrition security in households with no food shortages: A case study of Mjini Village in Bungoma Town, Kenya. Graduating, 2007 – M.P.H.
59. EMMY, J. CHESIRE (2004) Determinants of malnutrition among school age children in Kawangware Peri-Urban Slum, Nairobi Province, Kenya. Graduating, 2007 – MPH.
60. ELIAKIMOSUR (2003) Trends in development-related factors associated with women undergoing voluntary surgical contraception between 1994 and 2005 in Nairobi Province, Kenya – M.P.H. Graduating, 2007.
61. EVAKAMBURA MBAYA (2002) Factors that influence the choice and use of Norplant among women of reproductive age in Nairobi Province, Kenya. Graduated, 2006 – M.P.H.E.
62. YOKOMORI KENJI (2001) Knowledge, attitude and utilization of professional counseling services by residents of Kibera slum of Nairobi, Kenya. Graduated, 2003 – M.P.H.E.
63. YOKOMORI KAYO (2003) The role of medical interventions in maternal health during and after childbirth in Kibera slum of Nairobi, Kenya. Graduated, 2003 – M.P.H.E.
64. WYCLIFFE CLEMENT MANYULU (2003) The roles of care and support organizations in the prevention, control and management of HIV and AIDS in Nyamira District, Kenya. Graduated, 2007 – M.P.H.
65. MARYMBOYA (2004) A study of community coping strategies to HIV and AIDS in Homa Bay District, Kenya. Graduated, 2007 – M.P.H.
66. SIMON MWANGI MUIRURI (2003) Occupational noise exposure and hearing loss of workers in selected industrial plants in Nairobi Province, Kenya. Graduated, 2007 – M.P.H.
67. EUNICE WAHOME (2003) Factors predisposing teachers in public Primary schools to HIV and AIDS in Thika District, Kenya. Graduated, 2007 – M.P.H.E.
68. TITUS OTIENO OYOO (2003) Application of Kenya quality model on Public Health Programmes in Kenya: A case of HIV and AIDS programming. Graduated 2007 – M.P.H.
69. MAINA JANE WANGECHI (1999) Utilization of HIV post exposure Prophylaxis in occupationally exposed healthcare workers in Nairobi Province, Kenya. Graduated, 2004 – M.P.H.E.
70. NZIOKIMATIVO (2005) The female condom as an intervention tool for the prevention of pregnancy, HIV and other sexually transmitted infections in Kiambaa Division, Kenya. Graduated, 2007 – M.P.H.
71. ADANMAALIMMOHAMEDALI (2002) Relationship between substance abuse and risk factors to

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HIV infection among the out-of-school muslim youth in Mandera Town, Kenya. Graduated, 2007-M.P.H.E.

72. BETTY CHERONOSOY (2002) Factors influencing the provision of Community Based Health Care services for People Living with HIV and AIDS in Nakuru Municipality, Kenya. Graduated, 2008- M.P.H.

(c) B.Sc/B. Ed/Sciences

1. MBUVI, S.K., (2000) ABO Blood group polymorphism and susceptibility/resistance to *Plasmodium falciparum* malaria in out-and-in patients at Mutomo Kitui District Hospital in Kenya.
2. NG'ONGA G. O. (2000) Humoral responses in guinea pigs (*Cavia Species*) infected with *Staphylococcus aureus*.
3. BASASAD, C. (1999) ABO Blood group polymorphism and resistance to *Plasmodium falciparum* Malaria in out-and-in patients at Alupe District Hospital in Kenya.
4. ARODI, W. O. (1999) An experimental determination of anti-tick antibody levels in New Zealand white rabbit hyperimmunised with *Rhipicephalus appendiculatus* Neumann.
5. GUYAHERNARD (1999) An investigation of the antimalarial activity of the crude extract of *Azadirachia indica* (Meliaceae) in 30 and 50 day old Sprague Dawley rats infected with *Plasmodium berghei*.
6. KIMATU, N. N. (1998) ABO Blood group polymorphism and resistance to *Plasmodium falciparum* Malaria in out-and-in – patients at Machakos District Hospital, Kenya.
7. TOMWERE (1996) An investigation of the antimalarial activity of the crude bark extract of *Azadirachia indica* (Meliaceae) in 30 and 50-day old MF1 mice infected with *Plasmodium berghei*.
8. DAVID LAZARUS OUMA OSEDO (1996) Determination of experimental antimalarial drugs - 15 and its metabolite WR99210 by High Performance Liquid Chromatography (HPLC) from human plasma and urine.
9. MUSWALI, G. (1995) Cellular and haematological profiles in Sprague Dawley rats infected with *Plasmodium berghei*.
10. ABONGO, V. (1995) The effects of crude extracts of the roots of *Bidens pilosa* (Compositae) on the growth of *Plasmodium falciparum* in vitro.
11. KIBISU, J. J., (1994) The antimalarial activity of the leaf-extracts of the neem tree, *Azadirachia indica* in rats infected with *Plasmodium berghei*.
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13. WAMBUA, J. (1994) Survey of HIV/AIDS awareness among the students and non-student population at Kenyatta University.
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21. BARASA, J.E. (1993) Cellularity and splenic histopathology in mice infected with *Plasmodium berghei* (B.Sc project).
22. ROSE, A.O. (1987) Malaria in South Nyanza incidence in infants and children between 1980 and 1986 B.Ed/Science Zoology Major Project Department of Zoology Kenyatta University Nairobi.
23. OWINO, R.N. (1985) Acquired resistances to ixodid tick *R. appendiculatus* Neumann in indigenous naïve Maasai sheep B.Ed/Science Zoology Major Project Dept of Zoology Kenyatta University College Nairobi.
24. OCHANDA, H. (1985) Acquired resistance to ixodid tick *Rhipicephalus appendiculatus* in indigenous sheep a justification for using naïve control rabbits instead of naïve sheep in tick resistance studies B. Ed/Science Zoology Major Project Dept of Zoology Kenyatta University College Nairobi.

13. RECORD OF EXTERNAL EXAMINATIONS

- a) 1999–1998 University of Nairobi Department of Zoology: M.Sc Parasitology Programme.
- b) 1998–2007 University of Nairobi Department of Human Pathology: MBChB, BDS, B.Pharm., M.Med (Surgery), M.Med (Pathology).
- c) 2000-2005 Maseno University Departments of Zoology and Public Health: Undergraduate and Postgraduate programmes; Masters and Doctoral Theses.
- d) 2000-2007 Egerton University Department of Zoology and Biological Sciences: Undergraduate and Master of Science degree programmes.
- e) 2000-2002 University of Nairobi Department of Zoology: Undergraduate Programmes.
- f) 2005 Makerere University, School of Public Health – PhD Thesis.
- g) 2013 Egerton University – Msc. Programme
- h) 2014 Egerton University - Msc. Programme
- i) 2014 University of Nairobi, Department of Medical Microbiology PhD Programmes.
- j) 2015/2016 Maseno University School of Public Health- Masters & PhD Thesis

14. REFEREE FOR THE FOLLOWING JOURNALS:

1. Kenya Journal of Science and Technology Series B
2. Discovery and Innovations
3. African Journal of Medical Practice

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4. AfricanJournalofHealthSciences
5. EastAfricanAgriculturalandForestryJournal
6. TheBioMedicalCentralSeries(PublicHealth)

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