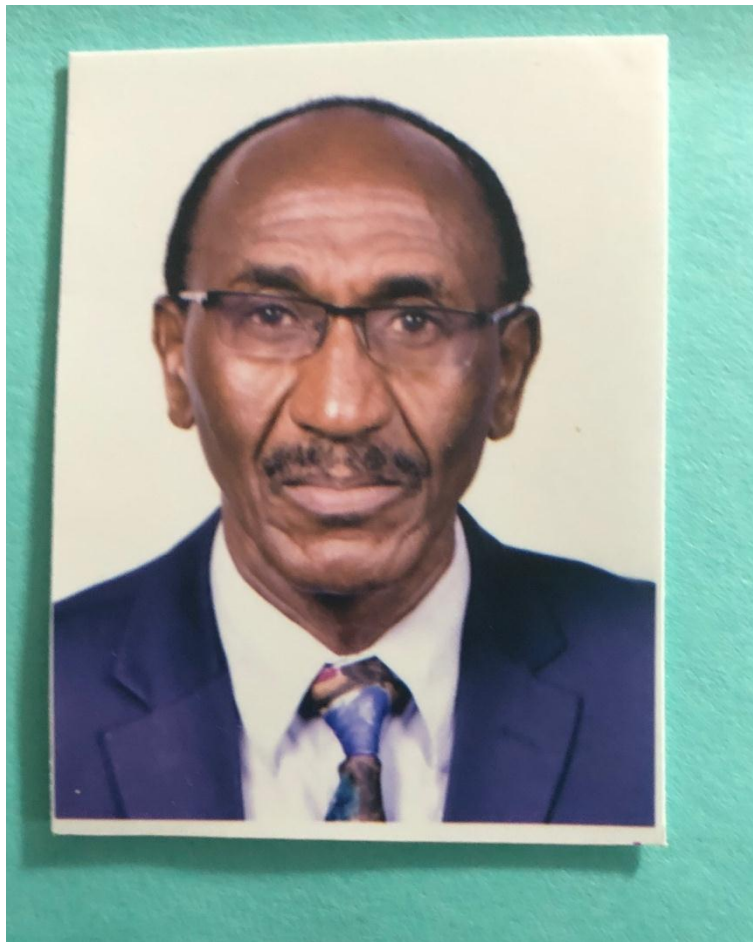


CURRICULUM VITAE



PROF. PETER N. KEIYORO
B.ed.sc., M.sc, PhD (University of Nairobi)

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Kenyan Citizen

1. SHORT PROFILE

I am currently a Senior Lecturer and Principal Instructional Designer – Courseware Development and Production at the Open, Distance & E-Learning Campus of the University of Nairobi, Kenya and where I have been coordinating open and distance e-learning programmes in science related disciplines since December 1986. I am currently involved in the development of instructional courseware materials for the blended, Open, Distance and eLearning (ODEL) academic programmes of the University of Nairobi. I hold a Bachelor of Education Science (Botany and Zoology – majors) and Chemistry (minor) – University of Nairobi and a Master of Science in Biology of Conservation (Zoology) and a PhD in Distance Education (UON). I have published several peer reviewed papers in international Journals in my various areas of academic specialization i.e. Biological sciences and Distance Education. I have also supervised several Ph.D. and Masters Students in addition to attending and presenting papers in several local and international conferences both in the area of ODeL and Biological sciences. I have great interest in research in Open, Distance/ eLearning, Biological sciences, Global Burden of diseases (GBD)/ Health sciences and science of Environmental conservation. I was hence recognized as the most cited scholar in 2018 in my college category in the University of Nairobi. I have previously taught Biological sciences in various secondary schools and Teacher training colleges in Kenya for example, Alliance High School, Kagumo Teachers Training College and Kenya Science Teachers College. I have been consultant in ODeL and curriculum development in several international and local institutions such as Kenyatta University, University of Botswana, Open University of Tanzania and Kenya Education Management Institute, College of Health sciences (UON), Murang'a University (ODEL , 2018) and was a curriculum expert/key trainer of Traditional Herbal Medicine practitioners in Kenya in a World Bank Project 2011 to 2013. I have attended and contributed to several international conferences in the area of Global Burden of Diseases more so in impact of neglected tropical diseases, eLearning and Biology of environmental conservation held in USA, Israel, Kenya, Botswana, Tanzania, Zambia, Senegal, Ethiopia, Namibia, Ghana and Rwanda. I have also contributed to the current education reforms in Kenya having been the co-chair of *National education reforms task force in 2011/2012*, tasked with aligning education in Kenya with vision 2030 and constitution 2010 whose report is now guiding the current curriculum-based curriculum in the education reforms in Kenya. As a contribution to the society and global community I am also the co-founder of The Green Garden Schools in Kenya which are models of basic educational centres in Kenya. I also initiated and spear headed scientific studies in Burden of Disease caused by Tungiasis (caused by Tunga penetrans / Jigger flea) among school age children in Murang'a county, Kenya (an on-going project). In addition, I am a collaborator in the

2. EDUCATION BACKGROUND

- 2007 – 2010** - Doctor of Philosophy Degree in Distance Education, School of Continuing and Distance education – University of Nairobi
- Thesis title* - Factors Influencing use of ICT in teaching science curriculum in secondary schools in Kenya: The case of New Partnership for Africa Development (NEPAD) and Cyber e-school (Published).
- 1978 – 1985** - Master of Science in Zoology, Biology of Environmental Conservation – University of Nairobi
- Dissertation title* - Effect of fire on the grazing resources in Nairobi National Park, Kenya
- 1974 – 1977** - Bachelor of Education Science (Upper second class Honours) – University of Nairobi (Majored in Zoology, Botany and Minor in Chemistry)
- 1972 – 1973** - Kenya Advanced Certificate of Education, Nyeri High School – Biology, Chemistry, Geography and General paper [Advanced level] 2 principals: 2 subsidiary passes.
- 1968 – 1971** - Komothai High School, Kiambu (KCE , Second Division, 16 points).
- 1960 – 1967** - C.P.E., Mitahato Primary School (Kiambu)

3. PROFESSIONAL POSTGRADUATE TRAINING

- March 2019** - Training on the institution’s complaints handling system, citizen service delivery charter and access to information.
- November 2018** - Training in supervision of PhD students. Organized by the Graduate school University of Nairobi.
- November 2017** - Training course on - Principles of open distance and E-Learning. Organized by ODeL Campus.
- September 2017** - Advanced Training In Health metrics and Evaluation in Global Burden of Diseases, in a Training Work shop ,24th – 27th September 2017 , Organized by and held at Institute of Health Metrics and Evaluation ,University of Washington, Seattle USA .
- May 2015** - Training In Health metrics and Evaluation in Global Burden of Diseases, in a two weeks Training Work shop , 10th – 22nd May 2015 , Organized by Institute of Health Metrics and Evaluation ,University of Washington USA, , Held in Eritrea, Greece.
- July 2010** - Africa Virtual University and Centre for e-learning (CEES) training in Moodle learning management system course: Application of learning management in the delivery of online content to learners. Kenya
- February 2010** - Peace and reconciliation studies and curriculum development workshop II, 23rd -28th February 2010, Makerere, Kampala, Uganda.

- June 2003** - Training of Trainers workshop on content development for e-learning organized by the VLIR-ODL project, 2nd – 7th June 2003, Machakos town. Kenya.
- July/August 1990** - 2nd July – 13th August 1990, Training in outdoor teacher Education course at Northern Illinois University. Teaching Science using Outdoor Resources. An Environmental Studies programme at North Illinois University. USA. Funded by UNEP.

4. CURRENT EMPLOYMENT

Academic positions

- Since 1986 to 2017 - Lecturer and Senior Lecturer in Distance learning (Sciences) and Science teacher training Programmes in the SCDE /CEES and now ODeL Campus. Specialized in ICT integration/inclusion in teaching and learning science curriculum in the School of Open and Distance Learning, ODeL campus University of Nairobi.
- January 1986 to 2013 - Lecturer, School of Continuing & Distance Education, Department of Educational Studies – University of Nairobi

Administrative Positions

- January 2018 to present - Principal Instructional Designer, Courseware Development & Production (Dean Equivalent) – University of Nairobi
- March 2017 to January 2018 - Instructional Designer, Courseware Development & Production
- February 1995 to Dec 1997 - Academic Dean, School of Continuing and Distance Education, University of Nairobi

Administrative Duties and Responsibilities as Dean and Principal instructional designer , courseware development and production

(a)

- Provide administrative management and leadership for academic departments of the School in a manner consistent with established University policies and procedures. Specifically:
- Act as the academic leader of the school's curriculum including evaluating relevancy and viability of curriculum in collaboration with academic departments and appropriate offices.

- Nurture positive relations and teamwork among all staff by encouraging practices that foster and maintain a good environment for teaching and learning.
- Proactively pursue entrepreneurial activities which benefit the Departments, the School and the University by developing and implementing marketing plans, promotions and advertising programmes to increase student enrollment and revenue.
- Work with the departments to cascade and implement the University strategic plans and policies such as ISO standards, performance contracts and staff performance appraisal
- Supervise all examination activities in the School including invigilation, internal and external moderation, marking, retrieval and processing of final results and graduation
- Provide academic guidance to students; develop mentorship programmes and develop, in collaboration with Heads of Academic Departments, student support systems

(b)

- Administrative Responsibilities as Principal Instructional Designer, Courseware Development & Production
- Develop courseware and facilitate development of courseware and production for Open, Distance and e-Learning programs in the university. More specifically to:
 - (i) Create awareness and sensitize the University teaching staff on self-instructional courseware development through training workshops and seminars.
 - (ii) Develop skills in e-content development among teaching staff
 - (iii) Supervise the process of conversion and uploading of digital content and packaging into audiovisual materials such as CD-ROMs, VCDs and DVDs, flash discs etc

5. MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS/ALUMNI

- (i) Member of the International Society for Neglected Tropical Diseases, London; since May 12, 2017.
- (ii) Global Burden of Disease Collaborator/researcher (Since 2015) in Data collection and analysis for Global Burden of diseases quantification through University of Washington USA, IHME. Since 2015
- (iii) Member of London, Institute of Biology; Graduate Member appointed since 1978

6. TEACHING EXPERIENCE/RESPONSIBILITIES AT UNIVERSITY LEVEL

From 1986 – 2019: Thirty-Three years (33)

a) Teaching Units/Courses

S/NO	Course Code	Course title
1.	LPE 611	Environmental Conflict Management and Peace Building
2.	LDS 651	Fundamentals of Distance Education
3.	LDS 661	Assessment in Distance Education

b) Supervision of Postgraduate students

PhD Supervision University of Nairobi

S/NO	NAME/REG. NO	Programme/co-supervisor	Title	Year of graduation
i.	James Konya Akwara L83/97633/2015	PhD in Project Planning and management	Influence of project scope and stakeholder's involvement on execution of fiber optic infrastructure in Nairobi county, Kenya	Past School board level Oct 2018. Collecting Data
ii.	Benson Irungu Muya L83/977887/2015	PhD in Project Planning and management	Stakeholder participation process, leadership styles and performance of beekeeping projects: A case of women beekeeping groups in Kajiado County, Kenya	December 2018
iii.	Ndagi James Mugo L83/80466/11	PhD in Project Planning and management	Factors influencing effective monitoring and evaluation of agriculture projects in Nyeri south districts	December 2017
iv.	Augustine Mwangi L83/80466/11	PhD in Distance education	Learner characteristics, behavior, technology use and adoption of mobile learning among the community health trainees; AMREF health, Kenya.	September 2017
v.	Atieno Joyce Otieno L80/91881/2013	PhD in Distance Education	Influence of learner characteristics on delivery of distance learning.	August 2016
vi.	Ngunjiri Josephine Wanjiku W80/92621/2013	PhD in Tropical and Infectious Diseases	Analysis of burden of diseases caused by Tungiasis infection among school age children, using	December, 2015

			disability adjusted life year's metrics in Kenya.	
vii.	John R. Chandi L80/533/08	PHD in Distance Education	Relationship between study habits and academic performance among learners in distance learning programme in Kenya	August 2014

Masters Students Supervision University of Nairobi

S/NO	NAME/REG. NO	Programme/c o-supervisor	Title	Year of graduation
1.	Rehema Ibrahim L50/6555/2017	MA, Project Planning & Management	Influence of services provided by community health workers on implementation process of child health care programmes in Kenya: A case of Mbeere south, Embu County.	September 2018
2.	John Arithi Muriira L50/76533/2014	MA, Project Planning & Management	Factors influencing conflict on water use, case of Tigania east sub county, Meru Kenya.	September 2017
	Munene Martin Zakayo L50/77024/2015	MA, Project Planning & Management	Factors influencing implementation of water projects under devolved system of government in Kenya; A case of Meru County	September 2017
3.	Zaberio Gitonga L50/84586/2016	MA, Project Planning & Management	Factors influencing the implementation of Health care projects in Devolved system of Government in Kenya; The case of provision of Health services in Meru County	September 2017
4.	Ayub Kobia Miriti L50/83601/2015	MA, Project Planning & Management	Influence of devolution of government services on provision of healthcare; a case of level five hospital in Meru County, Kenya	September 2017
5.	Abraham Kabui Kanuthia L50/73319/2014	MA, Project Planning & Management	Influence of health information systems on medical diagnosis of malaria for effective treatment; a case of hospitals on Meru Town, Kenya	September 2016
6.	Sadia Mohamud Adan L50/85503/2016	MA, Project Planning & Management	Factors influencing the implementation of income generating projects in public secondary schools in Isiolo north sub county, Kenya	November 2017

7.	Nyachwaya J. Mongina L45/61407/2010	MA, Distance Education	Factors influencing progression of adult learners in distance learning programmes in public universities; a case of Nyamira county, Kenya.	September 2016
8.	Zakayo Gikundi L50/78204/2009	MA, Project Planning & Management	Factors influencing integration of information and communication technology in learning and teaching in public secondary schools; a case of Tigania west sub county, Meru county, Kenya	September 2016
9.	Ireri Benson Murithi L50/71708/2014	MA, Project Planning & Management	Influence of the adoption of human resource information systems on savings and credit companies; the case of Nawiri sacco society limited, Embu county, Kenya	September 2015
10.	Caroline Mueni Jonathan L51/72414/2014	MA, Peace Education	Influence of conflict management strategies on promotion of peace and security in secondary schools; a case of Makueni county, Kenya	September 2015
11.	Magare Tabitha Kwamboka L50/60528/2013	MA, Project Planning & Management	Influence of school leadership integration of information communication technology in teaching and learning in public secondary schools; a case of Buuri subcounty, Meru Kenya	September 2015
12.	Kamau Grace Wangui	M, Peace Education	Factors influencing teacher's capacity building in peace initiatives in secondary schools; a case of Mathare subcounty, Nairobi, Kenya	September 2015
13.	Julia Wanjiku Njoroge L51/66890/2013	MA, Peace Education	Influence of civic education on election related conflicts; a case of kiandutu village, Thika subcounty, Kiambu County, Kenya.	September 2015
14.	Benson Irungu Muya L50/82206/2012	MA, Project Planning & Management	Determinants of adoption of modern technologies in beekeeping projects; the case of women groups in Kajiado County , Kenya	September 2014
15.	Benjamin Kahura Njenga L50/70941/2011	MA, Project Planning & Management	Factors influencing effective and efficient delivery of road construction projects in Kenya; a case of Nairobi County	September 2014
16.	Muhammed Daud Ahmed L51/75554/2012	MA, Peace Education	Factors influencing peaceful co-existence among the pastoral	September 2014

			communities in Wajir west subcounty, Kenya	
17.	Duncan Lenairosh L50/60936/2013	MA, Project Planning & Management	Factors influencing conflict resolution in Kenya; a case of Baragoi Sub-County of Samburu County	September 2014
18.	Raphael Shitakha Mwani L51/75122/2012	MA, Peace Education	Factors influencing peace building initiatives in secondary schools, the case of Nairobi county, Kenya	December 2014
19.	Christine Owuor Nyagengo L50/64367/2010	MA, Project Planning & Management	Factors influencing membership retention in savings and credit cooperative societies. Case study of Bananga credit and saving cooperative society	September 2012
20.	Juma Masoud Aziz L50/78461/2009	MA, Project Planning & Management	Factors influencing community participation in constituency development fund projects in Langata constituency ,Nairobi , Kenya	December 2012
21.	Matoke Alexander Ogeto	MA, Project Planning & Management	Factors influencing the utilization of cervical cancer screening in Gesina division ,Nyamira County , Kenya	December 2012
22.	Mutinda Patrick Benido L50/64290/2010	MA, Project Planning & Management	challenges faced by organizations seeking ISO 9001 certification :A case of Kenya Medical Research Institute	December, 2012
23.	Toroitich Jeremiah L50/64214/2010	MA, Project Planning & Management	Factors influencing the effectiveness of performance appraisal system in National Bank of Kenya. The case of National Bank head office Nairobi	December, 2012
24.	Josephine Wanjiku Ngunjiri L/50/72739/2008	M.Sc , in Applied Parasitology	Soil factors influencing the prevalence of <i>Tunga penetrans</i> (jigger flea) in Gaichanjiru location of Muranga County , Kenya	September 2011
25.	Muraguri John L50/78404/2009	MA, Project Planning & Management	Factors influencing degree choices among female undergraduate students a University of Nairobi. The case of 2010/2011 cohort	December 2011
26.	Mutuku Catherine L50/72696/2008	MA, Project Planning & Management	Factors influencing teachers take up of life assurance policy in Kenya. Case study of secondary school teachers in Machakos municipality	September 2010

27.	Mbogori Nangithia L50/72767/2008	MA, Project Planning & Management	Factors affecting the implementation of enterprises, resource planning in the telecommunication industry. Case of Telkom Kenya	September 2010
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7. PUBLICATIONS

Refereed Journals

1. Rehema Ibrahim, Dr. Peter Keiyoro, Dr. Josephine Ngunjiri (2018), *Influence Of Health Education Services Provided By Community Health Workers On Performance Of Child Health Care Programmes In Mbeere South; Embu County; Kenya International Journal of Current Research* Vol. 10 Issue, 08, pp.72168-72171 August-2018
2. Muya, Benson Irungu ,Prof. Christopher M. Gakuu and Dr. Peter Keiyoro (2018), *Economic Factors Influencing Adoption Of Modern Beekeeping Technologies Among Women Beekeeping Projects In Kajiado County - Kenya International Journal of Current Research, Vol. 10, Issue,08, pp.72779-72782, August, 2018*
3. Muya I. Benson , Prof. Christopher M. Gakuu and Dr. Peter Keiyoro (2018), *Influence Of Information Sharing On Performance Of Women – Group Beekeeping Projects In Kajiado County-Kenya International Journal of Current Research, Vol. 10, Issue,08, pp.72783-72786, August 2018*
4. Keiyoro N. Peter (2018), (co-author Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017; *Lancet* 2018; 392: 1923–94
5. Keiyoro N. Peter (2018), (co-author Global, regional, and national age-sex-specific mortality for 282 uses of death in 195 countries and territories,1980–2017: a systematic analysis for the Global Burden of Disease Study 2017; *Lancet* 2018; 392: 1736–88
6. Keiyoro N Peter (Co-author) (2018), Health disparities across the counties of Kenya and implications for policy makers, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016 *Lancet Glob Health* 2018 October 25, 2018
7. Keiyoro N Peter (Co-author) (2018), Global Mortality From Firearms, 1990-2016 *JAMA* August 28, 2018 Volume 320, Number 8
8. Keiyoro N Peter (Co-author) (2018), Alcohol use and burden for 195 countries and territories,1990–2016: a systematic analysis for the Global Burden of Disease Study 2016 *Lancet* August 23, 2018
9. Keiyoro N Peter (Co-author) (2018), Measuring Performance on the Healthcare Access and Quality Index for 195 Countries and Territories and Selected Subnational Locations: A Systematic Analysis from the Global Burden of Disease Study 2016: *Lancet*, 2018: 391:2236-2271 Vol 391, June, 2018
10. Keiyoro N. Peter (Co-author) (2018), Health disparities across the counties of Kenya and implications for policy makers, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016; *Lancet Glob Health* 2018
11. Keiyoro N. Peter (Co-author) (2018), Global, regional, and national age-sex-specific mortality and life expectancy, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017; *Lancet* 2018; 392: 1684–735
12. Keiyoro N. Peter (Co-author) (2018), Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories,

- 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017; Lancet 2018; 392: 1789–858; Lancet 2018; 392: 1995–2051
13. Keiyoro N. Peter (Co-author) (2018), Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017; Lancet 2018; 392: 2091–138
 14. Keiyoro N. Peter (Co-author) (2018), Population and fertility by age and sex for 195 countries and territories, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017; Lancet 2018; 392: 1995–2051
 15. Keiyoro N Peter and P. Wambua (2017), Factors Influencing Adoption Of Digital Weighing Scales Among Coffee Co-Operative Societies in Imenti North Sub-County, Meru, Kenya: International Academic Journal of Information Sciences and Project Management Volume 2, Issue 1, pp. 281-299, 2017
 16. Keiyoro N Peter (Co-author) (2017), Regional and national age-sex specific mortality for 264 causes of death, 1980-2016: A systematic analysis for Global Burden of diseases study 2016; Lancet 2017: 390 Page 1151-1210 September, 2017
 17. Keiyoro N Peter (Co-author) (2017), Global regional and national incidence, Prevalence and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: A systematic analysis for Global Burden of diseases study 2016; Lancet 2017: 390 Page 1211-1259 September, 2017
 18. Keiyoro N Peter (Co author) (2017), Healthcare Access and Quality Index Based On Mortality from Causes Amenable to Personal Healthcare In 195 Countries And Territories, 1990-2015: A Novel Analysis from The Global Burden of Disease Study 2015; Lancet 2017: PP 231-266
 19. Keiyoro N Peter (Co author) (2017), Global regional and national disability – adjusted life years (DALYs) for 333 diseases and injuries and health life expectancy (HALE) for 195 countries and territories, 1990-2016: A systematic analysis for Global Burden of diseases study 2016; Lancet 2017: 390 Page 1260-1344 September, 2017
 20. Keiyoro N Peter (Co-author) (2017), Global, Regional and national comparative risk assessment of 84 behavioral, environmental and occupational and metabolic risks or clusters of risks, 1990-2016 A systematic analysis for Global Burden of diseases study 2016; Lancet 2017: 390 Page 1345-1422 September, 2017
 21. Keiyoro N Peter (Co-author) (2017), Measuring progress and projecting attainment on the basis of past trends of the health-related sustainable Development Goals in 188 countries: Analysis from the global burden of disease study 2016: Lancet September, 2017
 - 22.
 23. Gatotoh A.M, Gakuu C.M., Keiyoro, P.N. (2017), Learner Attitude and mLearning Adoption among Community Health Care Trainees, Kenya. *International Journal of Current Research*, Vol. 9, Issue,11, pp.60834-60838, November, 2017
 24. Gatotoh A.M, Keiyoro, P, N, Gakuu C.M. (2017), Learner Characteristics: Antecedents for mLearning Adoption among Community Health Trainees, Kenya. *International Journal of Scientific Research and Innovative Technology* ISSN: 2313-3759 Vol. 4 No. 8; August 2017
 25. Gatotoh A.M, Gakuu C.M., Keiyoro, P. N. (2017), Learner self-efficacy and mobile learning adoption among community health trainees, Kenya *International Journal of Science Arts and Commerce* Vol. 3 No. 2. February-2018
 26. Keiyoro N Peter (Co-author) (2017), The global burden of disease studies 2016 in 2017 papers; Lancet 2017 Funding Bill and Melinda Gates Foundation and National Institute of aging and National Institute of Mental Health, USA (6-13) 2017

27. Keiyoro N Peter (Co-author) (2017), Global and national under-5 mortality, age-specific mortality and life expectancy 1970-2016 A systematic analysis for Global Burden of diseases study 2016; Lancet 2017: 390 Page 1084-1150 September 16, 2017
28. Sadia Mohamud Adaa and Peter Keiyoro PhD. (2017), *Factors influencing the implementation of income generating projects in public secondary schools in Isiolo North sub county, Kenya*. International Academic journal of Information Sciences and project Management .Volume 2,issue 1 pp. 558-573 Sept. 2017
29. Gatotoh, Augustine Mwangi; Keiyoro Peter. N, PhD; Gakuu Christopher. M. PhD (2017), *Learner Characteristics: Antecedents for mLearning Adoption among Community Health Trainees, Kenya* .International Journal of Scientific Research and Innovative Technology ISSN: 2313-3759 Vol. 4 No. 8; August 2017.
30. Amir Shareghi Najar, Ali Ahmed, Peter Keiyoro (2017), *Effect of intelligent Tutoring on Teaching and Learning Mathematics: The case of use of Ignite the Learning System in selected primary schools in Kenya*: International Journal of Scientific Research and Innovative Technology ISSN: 2313-3759 Vol. 4 No. 8; August 2017
31. Gatotoh A., C. Gakuu, P. Keiyoro (2017), Learner attitudes and mobile learning adoption among community health care trainees; Kenya International Journal of Current Research Vol. 9. Issue, II, pp. 60834-60838.
32. Gitonga Zaberio, Dr. Keiyoro Peter Njenga (2017), *Influence of Financing Infrastructure on Implementation of Health Care Projects in Meru County, Kenya* :International Journal of Scientific Research and Management (IJSRM) Volume 5, Issue 07, Pages 6331-6346, 2017, Website: www.ijsrm.in ISSN (e): 2321-3418 Index Copernicus value (2015): 57.47 DOI: 10.18535/ijsrm/v5i7.68
33. Peter N. Keiyoro, Kamau G. Wangui and Josephine W. Ngunjiri (2016), *Impact of training on capacity building in peace initiatives among secondary school teachers: the case of mathare sub-county, Kenya* International Journal of Current Research Vol. 8, Issue, 09, pp.39546-39549, September, 2016 ,ISSN: 0975-833;
34. Otieno J., Omondi B., Keiyoro P., Mulwa A., (2016), “*Learner perception of design of print instructional medium and participation in distance learning: A case of bachelor of education programme of University of Nairobi, Kenya*”, International Journal of Current Research, 8, (12), 44460-44464. 2016.
35. Otieno J., Keiyoro P., Mulwa A. and Omondi B. (2016), *Influence of perception of content of print instructional medium on learner participation in distance learning: the case of Bachelor of education programme university of Nairobi, Kenya*. Int.J.Adv.Res . 4(10) ,618-624.
36. Keiyoro Peter (2016) Co-Author /collaborator/facilitator Global, *regional national incidence, prevalence and years lived with disability for 310 diseases and injuries,1990-2015: a systematic analysis for Global Burden of Disease Study 2015 ; Lancet; 2016; vol 388:1545-1602*
37. Keiyoro Peter (2016) Co-Author /collaborator/facilitator Global, *regional and national disability-adjusted life years- years (DALYs)for 315 diseases and injuries and healthy life expectancy (HALE), 2990-2015: a systematic analysis for the Global Burden of Disease Study 2015; Lancet 2016; vol. 388: 1603-1658*.
38. Keiyoro Peter (2016) Co-Author /collaborator/facilitator, *Global, regional, national and selected sub-national levels of stillbirths, neonatal, infant and under-5 mortality 1980-2015 :a systematic analysis for the Global Burden of Disease study 2015; Lancet 2016, vol. 388;1725-1774*.
39. Keiyoro Peter (2016) Co-Author /collaborator/facilitator, *Measuring the health-related sustainable Development Goals in 188 countries: a baseline analysis from the Global Burden of Disease Study 2015: Lancet 2016; vol.388: 1813-1850*.

40. Keiyoro P., Ngunjiri W. J. , Mwanda W. , Omondi B, (2016), *Influence of disabilities caused by Tungiasis on school attendance among school age children in Murang'a County , Kenya*; International Journal of Current Research ISSN: 0975-833X Vol. 8, Issue, 03, pp.28826-28830, March, 2016
41. Keiyoro P.N., and Ngunjiri J.W. (2016), *Effects of fire on grazing resources in savannah grasslands ecosystem in Nairobi National park , Kenya*, International Journal of Scientific research and innovative technology , ISSN; 2313-3759; 55- 73; Vol 3; 2016
42. Peter N. Keiyoro, Kamau G. Wangui and Josephine W. Ngunjiri (2016), *impact of training on capacity building in peace initiatives among secondary school teachers: the case of mathare sub-county, Kenya*. International Journal of Current Research Vol. 8, Issue, 09, pp.39546-39549, September, 2016 ,ISSN: 0975-833
43. Keiyoro P.N. , Gichovi G.M. , Ngunjiri J. W (2016) , *Influence of the School's Leadership on Integration of Information and Communication Technology in Teaching and Learning Process in Secondary Schools in Kirinyaga County; Kenya* :International Journal of Education and Human Developments Vol. 2 No. 2; pp 44-50. March 2016
44. Muya B.I., Keiyoro P.N. , Gakuo C.M. , Mugo K. (2016), *Impact of Socio-cultural factors on adoption of modern technologies in beekeeping projects among women groups in Kajiado county , Kenya*. International Journal for Innovation education and research .vol.4 no 4 page 55-64; 2016,
45. Keiyoro P.N., Lenairoshi D., Ngunjiri J. W. (2015), *Factors influencing cattle related conflict resolutions: A case of Baragoi sub county, Kenya*. International Journal of current Research, Vol. 7, issue pp.2108-31092, October, 2015
46. Keiyoro Peter (2015), Co-Author /collaborator/facilitator, *Global, regional and National life expectancy, all causes of death, 1980 -2015: a systematic analysis for Global Burden of Disease study 2015*; Lancet 2016, Vol. 388:1459-1544.
47. Keiyoro Peter (2015), Co-Author /collaborator/facilitator, *Global, regional and national comparative risk assessment of 79 behavioral, environmental and occupational and metabolic risks or clusters of risks 1990-2015: a systematic analysis for the Global Burden of Disease study 2015*; Lancet 2016: vol. 388: 1659-1724.
48. Keiyoro Peter (2015) Co-Author /collaborator/facilitator, *Global, regional and national levels of maternal mortality, 1990 -2015: a systematic analysis for the Global Burden of Disease Study 2015*; Lancet 2016;vol. 388:1775-1812.
49. Keiyoro P. N. (2015) (co authorship) in *Global Burden of Disease HIV paper : Global ,regional and national HIV incidence ,prevalence and Mortality ,1980 -2015:Results from the global burden of Disease study 2015*. In press Lancet. 2016
50. Ngunjiri J . W. , Keiyoro P. N. and Mwanda W. (2015A), *Impact of Tungiasis on acquisition of basic education among children aged 5 -14 years*, International Journal of Scientific Research and Innovative Technology .ISSN 2313-3759 Vol 2 NO 6; June 2015 .
51. Ngunjiri J. W. , Keiyoro P. and Mwanda W. (2015B), *Quantifying Burden Of Disease caused by Tungiasis using Disability Adjusted Life Years (DALYS)metric among children aged 4 to 15 years ,in Muranga County , Kenya*. : International Research Journal of public and Environmental Health. IRJPEH,15-076
52. Keiyoro P.N., Gakuu C.M and Kidombo H.J (2013), *An analysis of the relationship between acquisition of ICT skills and teaching science curriculum in NEPAD e-schools in Kenya*. Journal of Open and distance learning vol 3, issue 1 Jan 2013 Issue. SCDE)
53. Keiyoro P.N., Gakuu, C.M. & Kidombo, H.J. (2011) '*Relationship Between School Environment and Use of ICT in Teaching Science Curriculum in NEPAD and Cyber e-Schools in Kenya*', Journal of Open, , Continuing and Distance Education, Volume 1 Issue 2, page 85-110, UoN, Nairobi, ISSN 2074-4222 <http://distance-education.uonbi.ac.ke/node/2379>

Book chapter University level scholarly titles

1. Kidombo, H.J., Gakuu, C. M. & Keiyoro, P. N.(2016). Fundamentals of Research methods; Concepts, Theories and Practice: A Handbook for Students and Practitioners. (Chapter 5, 6 and 7), Aura Publishers. ISBN:9966-1504-3-9.9
2. Ngunjiri J.W. and Keiyoro P.N. (2011) Soil factors influencing occurrence of Jigger flea (Tunga penetrans) in Kenya Lambert academic publications Germany .ISBN 978-3-8465-0095-8
3. Muraguri J. and Keiyoro P.N. (2011) .Influencing factors of Degree choices among females in Kenyan Universities: The case of University of Nairobi. Lambert academic publications Germany ISBN 9788465-8465-3201-0
4. Ngunjiri J.W. and Keiyoro P.N. (2011) Soil factors influencing occurrence of Jigger flea (Tunga penetrans) in Kenya Lambert academic publications Germany .ISBN 978-3-8465-0095-8
5. Keiyoro Peter (2010) Factors influencing integration of ICT in teaching and learning. VDM/academic publications Germany ISBN 2010 97863929183 BOOK
6. Keiyoro P.N. and Wangui E. K(2010) The Green Dream : A Book on the 20yrs of the chronological development of The Green Garden Schools as centres of Academic excellence. Kenya. ISBN 97899661531-0-4

Study Modules – print and e-Learning

1. Course Writer of Distance Education Study Materials in Science subjects for In-service Teachers' Course – University of Nairobi (CADE) and Ministry of Education
 - i. *Unit one* : *What is Science?*
 - ii. *Unit Two* : *The Study of Weather*
 - iii. *Unit Three* : *The study of Living Things*
 - iv. *Unit Four* : *The study of Animals*
 - v. *Unit Five* : *The Study of Soil*
 - vi. *Unit Six* : *The Study of our Environment.*
 - vii. *Unit Seven* : *Energy and its conservation.*
2. Keiyoro N. Peter Manuals (2013) in Herbal medicine curriculum for herbal medicine practitioner's course. On Conservation and Management of herbal medicinal plants .A Kenya government /World Bank project 2010; UNIT 1 to 10.

Conference Proceedings presentations

- (i) Keiyoro P.N and Ngunjiri J. (2017), “Quantifying burden of disease caused by Tungiasis using disability adjusted life years metric among children aged 5-14 years in Murang'a , county ,Kenya”. **20th Anniversary GBD conference and Symposium , IHME** , University of Washington , Seattle ,USA
- (ii) Keiyoro P. N. (2017), “*impact of Tungiasis on acquisition of basic education among schoolchildren aged 5 to 14 years in Murang'a county , Kenya*”; **International conference on parasitic, STI and AIDS infections**, San Antonio .TX,USA.
- (iii) Keiyoro P.N. , Kinuthia and Ngunjiri J.W. (2012) “*Use of Mobile Telephone in reporting notifiable diseases in Kenya,:The case of Nairobi metropolitan*” **Conference paper**, E-learning Africa Book of abstracts 2012. E-learning Africa publications

- (iv) Keiyoro P.N. (2011) “*Relationship between school environment and use of ICT teaching science curriculum in NEPAD schools*”; **e-learning conference**, in the book of abstracts e-learning Africa publications.
- (v) Keiyoro P.N (2010), “*An Analysis of the relationship between acquisition of ICT skills and teaching science curriculum in NEPAD e-schools in Kenya.*” **E-learning Africa International conference**; e-learning Africa Book of abstracts, E-learning Africa publication, Zambia.

8. PRESENTATIONS IN CONFERENCES

1. **24th – 29th September 2017:** *Quantifying burden of disease caused by Tungiasis using disability adjusted life years metric among children aged 5-14 years in Murang’a , county ,Kenya.* **20th Anniversary GBD conference and Symposium, IHME, University of Washington, Seattle, USA**
2. **7th – 11th March 2017:** *Status of Development of Tungiasis e-library among school age children at Global level;* **Environmental Systems Research Institute (Esri) user 2017 Developers conference/ Summit, Spatial Sciences Institute Palm springs , USA.**
3. **20th May 2016:** *Curriculum Reforms in Kenya: The imperatives for effective implementation,* **Oxford Africa conference, East Africa Track , Oxford Place , Upper Hill, Nairobi, Kenya**
4. **May 2013:** *Use of mobile Telephone in reporting notifiable diseases in Kenya; The case of Nairobi metropolitan,* **7th International conference on ICT for Development, Education and Training in Africa, Cotonou , Benin;**
5. International Symposium on Cultural Diplomacy in UN, Developing initiatives to promote cultural understanding, Global Human rights and World peace by Utilizing Cultural Diplomacy to Unite the Worlds cultures Before Hard power takes the Lead. 26th to 30th May 2016;
6. **May 2011:** *Factors influencing integration of ICT in teaching Science curriculum: Classroom environment,* **6th International Conference on ICT for Development, Education and Training, Dar-es-salaam Tanzania**
7. **May 2010:** *Factors influencing integration of ICT in teaching Science curriculum (II) (Acquisition of ICT vs integration of ICT in teaching and learning)* **5th International Conference on ICT for Development, Education and Training. Harare, Zimbabwe**
8. **May 2009:** *Factors influencing Integration of ICT in teaching Science Curriculum (I) Case study of ICT integration in science curriculum in The Green Garden Schools,* **4th International Conference on ICT for Development, Education and Training, Dakar, Senegal.**
9. **2nd July – 13th August 1990:** Teaching Science using Outdoor Resources. An Environmental Education programme in Kenya” **outdoor teacher Education seminar Sponsored by UNEP, Northern Illinois University, USA**

9. CONFERENCES ATTENDED

1. HybridEd Workshop 2018 held at MIT, Cambridge, MA, USA on June 21, 2018
2. 13th International Conference & Exhibition on ICT for Education, Training and Skills Development Kigali Convention Center Rwanda 26th -28th September, 2018
3. National curriculum reforms conference, Ministry of Education in collaboration with Kenya Institute of Curriculum Development, 30th Jan 2017

4. The Global Burden of Diseases; Generating evidence, guiding policy in Kenya report International center for Humanitarian affairs, Kenya red cross society, Nairobi, July 12th 2016.
5. Digital Inclusion: Transforming Education through Technology. 7th Linc (Learning International Networks consortium) conference, Massachusetts Institute of Technology (MIT) Cambridge, USA. 23rd to 25th May, 2016;
6. 9th International conference on ICT for Development, Education and Training in Africa, Kampala, Uganda. May 2015,
7. The 2015 Global Burden Of Disease ,injuries and risk factors study : Theme” Development is not Destiny” George Washington University,; Washington D.C.;USA sponsored by World Bank Group
8. 8th International conference on ICT for Development, Education and Training in Africa, Windhoek , Namibia; May 2014
9. Community, Tensions, Dialogue and peace building conference; Organized by Coventry University of London and University of Nairobi, Crown Plaza, Nairobi. Kenya 10th July to 11th July 2012.
10. Peace and Human Security curriculum development : East African Region, Makerere University, Uganda, February 2010,
11. 3rd International Conference on ICT for Development, Education and Training. ; Building e-learning capacities in Africa, Accra, Ghana. May 2008
12. 2nd International Conference on ICT for Development, Education and Training; Building e-learning capacities in Africa, Nairobi, Kenya; May 2007
13. 1st International Conference on ICT for Development, Education & Training; Building e-learning capacities in Africa, Addis Ababa, Ethiopia; May 2006

10. TRAINING/SHORT COURSES/WORKSHOPS ATTENDED

1. **8th – 9th October 2018:** PEBLBatch Module Use Workshop Blended Learning.
2. **24th – 27th June 2018:** Distance Learning Administration Annual & Conference Proceedings 2018
3. **20th – 24th November 2017:** Principles of Open Distance and e-Learning, ODeL Campus, University of Nairobi.
4. **23rd – 24th November 2017:** Supervision of PhD students, Graduate school, University of Nairobi.
5. **24th – 27th September 2017:** Advanced training in health metrics and evaluation in GBD. IHME University of Washington USA.

11. RESEARCH

1. Integration/inclusion of ICT in teaching and learning science curriculum.
2. Role of ICT in ODL modes in solving contemporary education issues- m-learning
3. Issues in Kenya e.g. Access, quality, equity, cost and relevance, on going
4. Impact of Tungiasis (jiggers’ flea) on learning process among school age children in endemic areas in Kenya. Ongoing since 2009
5. The role of relevant environmental education in solving Human environmental related conflicts in Kenya.

12. CONSULTANCY

1. **March 2016:** Training Authors on Competency Based education as a requirement in education reforms in Kenya: Oxford University Press
2. **January 2011- February 2013:** Co chairman Task Force on alignment of education sector to the constitution 2010 and vision 2030. A Kenya Government education reform project.
3. **March 2010 to 2014:** Curriculum Expert World Bank/Kenya Government project on Management and conservation of medicinal plants in Kenya, ongoing.
4. **7th-18th March 2011:** Training KEMI staff on distance and e-learning materials development.
5. **February 2010:** Developing University curriculum in Peace and Human security for East African region, Makerere University, Uganda.
6. **November 2010:** Training of trainers for open and distance learning skills for Kenyatta University Senior Academic Staff.
7. **June 2006:** Private Schools' Association-Kenya, Management of Education in Malaysia- Leader of the delegation.
8. **December 1997:** Diploma in Primary Science Education, University of Botswana. Distance Education Certificate; Programmers - A Commonwealth of Learning Assignment.
9. **1996-2000:** Ministry of Health-Kenya, Kenya/Belgium Project. Distance study Materials for Medical Doctors for Post Graduate Diploma in Management of sexually Transmitted infections Distance Learning Mode
10. **1996:** Development of Open and Distance learning material for Open University of Tanzania. Funded by Commonwealth of Learning
11. **1988:** Faculty member in DSE series of workshops on Designing and Writing Distance Education Materials. Funded by DSE of German

13. FACILITATION: SHORT COURSES/WORKSHOPS/SEMINARS

1. Resource person in Bachelor of Education science writers workshop, Egerton University, 2006 to 2007. Kenya
2. Strategic Planning Workshop for the Faculty of External Studies, 17th – 21st May, 2004, Mombasa Beach Hotel, Kenya
3. Editing of distance learning materials for Bachelor of Education science from 14th – 18th February, 2003 to date.
4. Resource person in the Tutors training workshop for Bachelor of Education, Science writers from 10th – 19th June 2003 to date.
5. Chief consultant and Resource Person in the Post-Graduate Diploma in STI, Tutors Training Workshop. 24th – 25th May 2000, Pan-Africa Hotel, Nairobi. A Belgium government financed project.
6. Orientation of Bachelor of Education distance learning degree students during orientation sessions since 1987 to date. Make presentations on distance learning Study habits.
7. March 2004- 2005: Open and Distance Learning (ODL) Technique for science academic staff, University of Nairobi. Production of Bachelor Education Science ODL Study materials. Sponsored University of Nairobi. General Methods of Course Development (O.D.L.) Materials
8. Involved in a joint curriculum development between the University of Nairobi and Makerere University, Uganda for the Master in Peace Education.

9. Development of Science open and distance learning materials for Open University of Tanzania and University of Botswana
10. Lead facilitator in the curriculum development, content and distance learning material development for the Post graduate Diploma in Control and Management of Sexually transmitted infections. University of Nairobi. Kenya. 1998 to 2003.
11. 1987/1988: lead facilitator in the production of Adult Education Teacher Programme seminars. Prepared The programme implementation guide for the Adult education teacher's certification process. Kenya

14.MEMBERSHIP OF COMMITTEES AND PANELS

1. 30th Jan. 2017- National curriculum reforms forum. Ministry of education in collaboration with Kenya Institute of Curriculum Development
2. 12/7/2016 the global burden of diseases forum generation evidence, guiding policy in Kenya report, organized by international center for humanitarian affairs at Kenya Red Cross Society
3. 23/05/2016-25/05/2016- participation in seventh learning international networks consortium - forum on digital inclusion. Transforming education through technology. Institute of Massachusetts institute of technology (MIT) USA.
4. Board member ; School of Graduate studies since June , 2017
5. Member School Board of Examiners post graduate programmes SCDE University of Nairobi since 2011 to date.
6. Member of lead consultants 2010 to 2013: Conservation and management of the Medicinal plants training team: Herbal medicinal practitioners in Kenya. Kenya governments /World Bank project. Committee: Funded by World Bank.
7. In January 2009 to date: sitting chairman/Director of ODeL Consult Africa Ltd.
8. Project Team leader, 2009-to date; Impact of Tungiasis (Jigger flea) on school age children in Kenya, project.
9. Kenya Institute of Curriculum Development Up to 1985, Member of National Biology Curriculum Panel.
10. Member of science examinations panels since 1980 up to 1992; Test development in science curriculum) Kenya National Examinations Council.

15.COMMUNITY ENGAGEMENT/OTHER CONTRIBUTIONS

1. **2006 to date:** Chairman PCEA Kikuyu township development committee; involves development of youth, physical infrastructure for PCEA kikuyu township Church Kiambu County.
2. **2008 to date:** Chairman/ Director Open Distance and e-Learning consult Africa (ODeL Consult Africa).
3. **1991 to date:** Chairman Board of school management; Green Garden schools (group of schools, established in 1991)
4. Tungiasis management and eradication project, Murang'a County Kenya. (supported by deans committee and NACOSTI)
5. Global burden of disease collaborator in data collection and data analysis on DALYs. A global project supported by Melinda and Bill Gates foundation through IHME, University of Washington, Seattle, USA.

16. PREVIOUS WORK EXPERIENCE

1. **1983 -Nov 1984:** Lecturer, Kenya Science Teachers college, Kagumo teachers colleges, Taught Biology and science teaching methods to Diploma in Science Education students i.e. teacher trainees
2. **1985 -1986:** Higher Examination secretary, Kenya National Examination Council: Test Development and administration of national assessments especially science courses.
3. **1979-1983:** Head of Biology Department and Academic Counseling Department, Alliance High School

Competencies developed:

- a) Management of academic counseling programmes
 - b) Management of educational programmes
 - c) Dealing with student services
 - d) Handling the parents and general public on educational issues.
 - e) Good skills in Public relations
-
4. **1978-1983:** Senior Secondary school teacher, Alliance High School: Teaching Subjects: *Biology and chemistry*

Competencies developed:

- a) Management and administration of science educational programmes
- b) Marketing of academic programmes
- c) Planning teaching materials and presentation
- d) Development of science education curriculum
- e) Assessment and evaluation of learners
- f) Class control and learner management issues
- g) Mastery of instructional delivery modes

AWARDS

Distinguished Research Award for highest overall research productivity and impact in 2018, college of education and external studies University of Nairobi

17. REFERENCEES

1. Prof Gakuu C.M.
Open, Distance & e-Learning Campus
University of Nairobi
P.O. Box 30197
Nairobi
2. Prof Julius Ogengo

University of Nairobi
P.O. Box 30197
Nairobi

3. Prof Harriet Kidombo
ODEL Campus
University of Nairobi,
P. O. Box 30197-00100
Nairobi