

**CHUKA**

**UNIVERSITY**



**Knowledge is Wealth (*Sapientia divitiae est*) Akili ni Mali**

## **CHUKA UNIVERSITY ACADEMIC STAFF DATABASE**



**March, 2017**



## PREFACE

Chuka University was chartered on 13<sup>th</sup> January, 2017. Since then, it has continued to recruit and develop staff to deliver services needed to steer the University toward achievement its Vision and Mission. In this regard, an invitation was made to all staff to submit their profiles to be compiled into a database. The staff captured in this booklet responded and supplied their profiles.

Subsequently, this database has been compiled to provide a base from which consultants can be identified from among the staff of the University to provide services to clients, while marketing their expertise and skills. The database will enable users to quickly identify suitable staff for exchange programmes and other collaborative activities within and beyond the country.

The Division of Academic, Research and Student Affairs is charged with overseeing research, innovation, consultancy, dissemination of knowledge, skills and competencies in Chuka University. It also markets expertise to strengthen the nation's human resource base. The staff database is a breakthrough to the Division in particular, as well as the University at large. It will be shared with other collaborators and partners at national and international levels to demonstrate the scholarly strength of Chuka University.

The information provided in this database is an overview of the staff's education, training and research that make Chuka University: A Premier University for the provision of quality education, training and research for sustainable national and global development, and help fulfill its mission, namely: To provide access, generate, preserve and share knowledge for quality, effective and ethical leadership in higher education, training, research and outreach through nurturing an intellectual culture that integrates theory with practice, innovation and entrepreneurship.

I acknowledge the staff who submitted their profiles and Ms. W. K. Mutwiri for compiling. Readers should use the information provided in this database constructively, and send us comments for improvement of future editions. All Chuka University staff should submit their profiles for inclusion in the next edition.

Prof. D. K. Isutsa, Ph.D.

Deputy Vice-Chancellor (Academic, Research & Student Affairs)/Editor

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## OFFICE OF THE VICE-CHANCELLOR



**Prof. Erastus Nyaga Njoka, Ph.D.**

Designation: Vice-Chancellor

Profession: Animal Science

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### **EDUCATION**

- 2005 : Certificate in Agriculture and Horticultural Management, Nanjing Agricultural University (NAU), Peoples' Republic of China
- 1997-1998 : Certificate in Animal Production and Management, Poultry and Aquaculture, The Hebrew University of Jerusalem.
- 1998 : Postgraduate Dip. In Research, Russian People's Friendship University
- 1990-1993 : Ph.D. Degree in Animal Production (Special Zootechny, Animal Products Production Technology), Russian People's Friendship University, Moscow. Thesis entitled "Effects of feeding Sodium Ascorbate on Growth and Disease Resistance of Calves"
- 1984-1990 : M.Sc. (Hons) Degree in Animal Production. Recognized at graduation for being the best student. People's Friendship University. Thesis entitled "Mineral Nutrition of sheep in the Belgorod Region"

### **FIELD OF SPECIALIZATION**

Professor of Animal Science

### **WORK EXPERIENCE**

- 10<sup>th</sup> June, 2013 to date : Vice-Chancellor of Chuka University
- 8<sup>th</sup>/1/2013 to 9<sup>th</sup>/6/2013 : Ag. Vice-Chancellor, Chuka University
- 2008 to 2013 : Principal/CEO, Chuka University College
- 2005 – 2008 : Director, Egerton University Eastern Campus College
- 2001 – 2005 : Dean, Faculty of Agriculture, Egerton University
- 1995 – 2001 : Examinations Officer, Animal Science Department
- 1995 – 2001 : Ag. Chairman, Animal Science Department

### **TEACHING EXPERIENCE**

- 2010 - date Full Professor of Animal Production, Chuka University College
- 2008 - 2010 Full Professor of Animal Production, Egerton University
- 2001 - 2008 Associate professor of Animal production, Egerton University
- 1997 - 2001 Senior Lecturer, Animal Science Department, Egerton University
- 1994 - 1997 Lecturer, Egerton University
- 1992 - 1993 Teaching Assistant, Russian Peoples' Friendship University

### **RECENT SELECTED PUBLICATIONS**

1. Ondiek J O, Abdulrazak SA, and Njoka EN 2013: Performance of growing small East African goats fed molasses-treated maize (*Zea mays*) Stover supplemented with *Acacia*

- tortilis* and/or *Balanites aeguptica* brouses and maize bran. Animal Nutrition and Feed Technology (In press)
- 2. Ondiek J O, SA Abdulrazak and EN Njoka. 2011. Effects of supplementing *Chloris gayana* hay and *Maerua angolensis* with graded levels of maize germ meal on voluntary feed intake, diet digestion, nitrogen balance and average daily gains of growing small east African Goats. *Animal Nutrition and Feed Technology*: 10 (2) 2010.
  - 3. Ondiek J O, Abdulrazak S A and Njoka E N 2010: Chemical and mineral composition, *in-vitro* gas production, *in-sacco* degradation of selected indigenous Kenyan browses. *Livestock Research for Rural Development. Volume 22, Article #25*. Retrieved February 9, 2010, from <http://www.lrrd.org/lrrd22/2/ondi22025.htm>
  - 4. Ondiek J O, Abdulrazak S A and Njoka E N 2010: Nutritive value and Palatability rating of fifteen Selected Indigenous Kenyan Browse Species fed to Small East African Goats. *Journal of Animal Research*.
  - 5. Ondiek J O, Abdulrazak S A and Njoka E N 2010: Effects of supplementing Rhodes grass (*Chloris gayana*) hay with *Maerua angolensis* on voluntary feed intake, diet digestion, nitrogen balance and live weight changes of growing Small East African Goats. *Journal of Animal Research*.
  - 6. Ondiek J O, Abdulrazak S A and Njoka E N 2010: Effects of supplementing Rhodes grass (*Chloris gayana*) hay with graded levels of *Zizyphus mucronata* on voluntary feed intake, diet digestion, nitrogen balance and average daily gains in growing Small East African Goats. *Animal Nutrition and Feed Techn.:11(1)2011*
  - 7. Ondiek J.O., S.A. Abdulrazak and E.N. Njoka 2010: Performance of growing Small East African Goats offered Rhodes grass hay and supplemented with a 1:1 mixture of *Maerua angolensis*; *Zizyphus mucronata* leaf browses. *Livestock Research for Rural Development. Volume 22 (9) 2010*.
  - 8. Nanua, J.N., Njoroge, D.M., Kibor, A.C., Njoka, E.N. 2007. Effect of rice bran oil, oxidized, and fresh egg yolk powder on the development of arteriosclerosis in growing rabbits (*Oryctolagus cuniculus*). UNISWA Res. J. Agric. Sci. & Tech 10 (2): 71-79
  - 9. Njarui M.G., Njoka-Njiru, E.N., Abdulrazak S.A. and Mureithi J.G. 2007. Effect of planting pattern of two herbaceous forage legumes in fodder grasses on productivity of grass/legume mixture in semi-arid tropical Kenya. Tropical and subtropical Agroecosystems (In press)
  - 10. Onjoro, P.A., Njoka Njiru, E.N., Ottaro, J.M. Simon, A. and Schwartz, H.J. 2006. Effects of mineral supplementation on milk yield of free-ranging camels (*Camelus dromedaries*) in Northern Kenya. Asian-Aust. J. Anim Sci. 19 (11) 1597-1602.
  - 11. Njoka-Njiru, E.N., Njarui, M.G., Abdulrazak, S.A. and Mureithi, J.G. 2006. Effect of intercropping herbaceous legumes with Napier grass on dry matter yield and nutritive value of the feedstuffs in semi-arid region of Eastern Kenya. *Agricultura Tropica et Subtropica*, 39 (4):260-272.
  - 12. Onjoro, P.A., Njoka-Njiru, E.N., Ottaro J.M. and Nanua J.N. 2004. Effects of minerals in the forage, blood and milk on production of lactating free-ranging camels (*Camelus dromedaries*) in northern Kenya. Egerton Journal Vol. No. 1. 226-245.
  - 13. Nanua, J. N. and Njoka-Njiru, E. N. 2004. Microbiological, physico-chemical and sensory quality of yoghurt sold in retail outlets within Nakuru Municipality, Kenya. *Egerton Journal Vol. No. 1.* 162 – 174.
  - 14. Muriu, J. M., Njoka-Njiru, E. N.; Tuitoek, J. K. and Nanua, J. N. 2002. Evaluation of Sorghum (*Sorghum bicolor*) as replacement for maize in the diet of growing rabbits (*Oryctolagus cuniculus*). Asian-Aust. J. Anim Sci. 15 (4) 565-569.

15. Muriu, J. M., Njoka-Njiru, E. N., Tuitoek, J. K. and Nanua, J. N. 2002. The effect of substituting maize with varying levels of high tannin sorgum in the diet on feed intake, digestibility, average daily gain and feed conversion efficiency of growing rabbits. *Agricultura Tropica et Subtropica* 35: 149-155.
16. Njoka-Njiru, E.N., Ojango, J.M., Ambula, M.K. and Ndirangu, C.M. 2001. Grazing behaviour of Saanen and Toggenburg goats in sub-humid tropical conditions of Kenya. *Asian-Aus. J. Anim. Sciences* 14: 600-604
17. Njoka-Njiru, E.N. and Guliye, A.Y. 2001. Grazing behaviour of Jersey and Guernsey heifers in sub-humid tropical conditions of Kenya. *Asian-Aus. J. Anim. Sci.* 14: 491-495.
18. Njoka-Njiru, E.N. and Molchanov, I.A. 2001. Trace element status of soil, forage and lactating ewes in South-Western Russia. *Egerton Journal* 3: 12-20.
19. Kamilov, B.G., Sahilov, T.V., Khegay, V.N. and Njoka-Njiru, E.N. 2000. The effect of human activities on the ichthiofauna of the river Syrdarya in Uzbekistan. *Egerton Journal*, 3: 1-11.
20. Njoka-Njiru, E.N. 1999. Grazing behaviour of Freshian and Jersey heifers in Njoro. *Egerton Journal* 2:7-14.
21. Njoka, E.N., Molchanov, I.A. Boiko, I.A. and Soshienko, L.P. 1997. Immunological levels of calves fed with sodium ascorbate and ascorbic acid. *J. Agricultural Sciences* 98-99.
22. Njoka, E.N., Boiko, I.A. and Molchanov, I.A. 1997. Effectiveness of applying sodium ascorbate as a feed supplement in rearing calves. *Journal of Agricultural Sciences* 140-145.

#### **TRAINING AND RESEARCH GRANTS**

- 2011 : National Council for Science & Technology: AAS worth Ksh 7.5 million.  
2011 : National AIDS Control Council: Ksh 3 M  
2008 : 10, 000 library books from FAO office in Nairobi  
2004-2005 : Collaboration with Sokoine and Makerere Universities under HEPAD funded 5 Postgraduate students x 3 Uni's, giving KES 60 million  
2004 : Equipment worth KES 45 million from the Chinese Ministry of Education  
2004 : Participation in KAPP received over 7 b for KARI and Public Universities  
2002 : Equipment worth KES 8 m for the Faculty of Agriculture from (DAAD)  
2001 : Collaboration with KARI and Rockefeller Foundation trained 20 students

#### **KEY RESEARCH PROJECTS**

1. Behaviour of piglets on Tatton Farm
2. Factors affecting productivity of Togenburg and Saanen breeds of goats in Meru
3. Mineral Nutrition of Camels in northern Kenya
4. Legume protein supplements in diets of lactating cows in Eastern Kenya
5. Alternative sources of energy for chicken
6. Meat productivity potential of goat breeds under high and low feeding regimes

#### **PATENTS**

Ongoing

#### **POSTGRADUATE STUDENT SUPERVISION**

See them under publications

## **OFFICE OF THE DEPUTY VICE-CHANCELLOR (ACADEMIC, RESEARCH AND STUDENT AFFAIRS)**



### **Prof. Dorcas Khasungu Isutsa, Ph.D.**

Designation: Deputy Vice-Chancellor (Academic, Research & Student Affairs)  
Profession: Professor of Horticulture  
Chuka University, P. O. Box 109-60400, Chuka, P. O. Box 536-20115, Egerton. Mobile: +254-(0)721-252293, Fax: 051-2217827. Email: dorcaski@yahoo.com

### **EDUCATION**

- Ph.D. in Horticulture, 1998, Cornell University, USA
- Master of Science in Horticulture, 1994, Cornell University, USA
- B.Sc. in Horticulture, 1990, Egerton University, Njoro, Kenya
- Plant Biot., Biosafety, & Biotechnology Certificate, 2004, University of Reading
- Advanced plant biotechnology techniques (protoplast fusion, plant regeneration, somatic embryogenesis, electrophoresis, serology & PCR techniques) Certificate. 2005, Wageningen International Agri. Centre, Netherlands

### **FIELD OF SPECIALIZATION**

Horticulturist/Plant Biotechnologist

### **WORK EXPERIENCE**

Sept. 2013 to date	: DVC (ARSA), Chuka University, Kenya
Jan-Aug. 2013	: Ag. DVC (AA), Chuka University, Kenya
3/2011 to Jan. 2013	: Deputy Principal, Chuka University College
15 <sup>th</sup> Sep. 2013 to date	: Full Professor, Egerton University, Kenya
Oct. 2003 to Sep. 2013	: Associate Professor, Egerton University, Kenya
June 1999 to Sep. 2003	: Senior Lecturer, Egerton University, N Kenya
Feb. 1997 to May 1999	: Lecturer, Egerton University, Kenya
June 1993 to 1997	: Assistant Lecturer, Egerton University, Kenya
1990 to May 1993	: Teaching Assistant, Egerton University, Kenya
1994 to 1998	: Research Assistant, Cornell University, USA
Parts of 1991 to 1998	: Teaching Assistant, Cornell University, USA
External Examiner, Editor, Board Member, Reviewer, ToTs, Consultant, Volunteer.	

### **KEY RESEARCH PROJECTS**

1. 2014-2015: KES 18 M. From KAPAP for 9 research collaborators in “Enhancing production, value addition and marketing of indigenous vegetables, french beans and mushrooms among smallholder farmers in Kenya

2. 2011-2014: KES 24 M. From KAPAP for 9 research collaborators in “Enhancing production, value addition and marketing of indigenous vegetables, french beans and mushrooms among smallholder farmers in Kenya
3. 2014: KES 1,100,000 from the National Commission Science, Technology and Innovation for “Diversification of processing and utilisation of dual: purpose pumpkin (*Cucurbita moschata* Duchesne) in Kenya.”
4. 2014: KES 834,873. Determination And Evaluation of Selected Endogenous Factors Associated with Somatic Embryogenesis of Coffee (*Coffea arabica* L.) Cultivar Ruiru 11
5. 2010-KES 1,200,000 from the National Council for Science & Technology (2010) for “Determination of combined effects of N, P and irrigation water in maximizing seed potato tuber production”
6. 2008-2010: KES 400,000. From Egerton University. Development of novel protocols for micropropagation of potato (*Solanum tuberosum* L.) planting materials in Kenya. .
7. 2005-2006: KES 150,000. From Egerton University. Strawberry productivity versus integrated nutrient management and plant density.
8. 2004-2006: UK £3,500 from Commonwealth Scholarships Commission. Advanced plant biotechnology techniques
9. 2001-2004: US \$31,780 from the Rockefeller Foundation). Rapid micropropagation and field performance of passion fruits in Kenyan highlands. Collaborating Institutions: Egerton, KARI: Njoro, Ministry of Agriculture, St. Clare Resource and Training Centre, & Baraka Agricultural College.

## **RECENT SELECTED PUBLICATIONS**

1. Jedidah W. Kiharason, Dorcas K. Isutsa and Peninah N. Ngoda. 2017. Effect of drying method on nutrient integrity of selected components of pumpkin (*Cucurbita moschata* Duch.) fruit flour. *Journal of Agricultural and Biological Sciences* 12(3):110-116.
2. J. K. Kiramana, D. K. Isutsa and A. B. Nyende. 2017. Qualitative, quantitative and quality variation of naturalized pumpkin accessions in mother and baby trials in Kenya. *ARP Journal of Agricultural and Biological Sciences* 12(2):65-77.
3. Kiharason, J. W., Isutsa, D. K. and Ngoda, P. N. 2017. Evaluation of sensory acceptability of bakery products prepared from wheat and pumpkin composite flour. *International Journal of Science and Nature*. 8[1]: 1-7.
4. Kiharason, J. W., Isutsa, D. K. and Ngoda, P. N. 2017. Nutritive value of bakery products prepared from wheat and pumpkin composite flour. *Global Journal of Bio-science and Biotechnology*, 6[1]: 96-102.
5. Kiramana, J.K., Isutsa, D.K. and Nyende, A. B. 2017. Fluorescent SSR markers and capillary electrophoresis reveal significant genetic diversity in naturalized pumpkin accessions in Kenya. *Global J. Bio-science and Biotechnology*, 6:34-45.
6. Kiramana, J. K, Isutsa, D. K and Nyende, A. B. 2016. Participatory germplasm conservation and seed production of naturalized pumpkin landraces in Kenya. *International Journal of Science and Nature*. 7[4]:756-764.

7. Kiramana, J. K. and Isutsa, D. K. 2016. Pumpkin accessions in Kenya exhibit significant variation in quantitative characters based on baby trials conducted in Kakamega and Nyeri, Kenya. *J. Chemical, Biological and Physical Sciences*, 7(1):060-076.
8. Kiramana, J. K., Isutsa, D. K. and Nyende, A. B. 2016. Evaluation of quantitative yield performance of pumpkin accessions in Kenya using mother trials. *International Journal of Advanced Biological Research* 6(4):439-447.
9. Gathungu, G. K., Aguyoh, J. N. and Isutsa, D. K. 2016. Seed potato growth, harvest index and net economic benefit improvement through irrigation water, nitrogen and phosphorus management. *American Journal of Agricultural Science and Technology*, 4 (1):9-24.
10. Gathungu, G. K., Aguyoh J. N. and Isutsa, D. K. 2016. Improving seed potato leaf area index, stomatal conductance and chlorophyll accumulation efficiency through irrigation water, nitrogen and phosphorus nutrient management. *J. Agricultural Studies* 4:127-141.
11. Kiharason, J.W., Isutsa, D.K. and Ngoda, P.N. 2015. Contribution of multi-purpose pumpkin (*Cucurbita moschata* Duch.) to the economy of selected Kenyan small-scale households. *Journal of Environmental Sustainability Advancement Research*, 1:8-14.
12. Gathungu, G. K., Aguyoh, J. N., Isutsa, D. K. 2015. Optimization of seed potato specific density, starch and dry matter contents and tuberization capacity of resultant plants through integrated irrigation, nitrogen and phosphorus management. *Journal of Plant Sciences*, 3:225-233.
13. Gathungu, G. K., Aguyoh, J. N. and Isutsa, D. K. 2014. Effects of integration of irrigation water and mineral nutrient management in seed potato (*Solanum tuberosum* L.) production on water, nitrogen and phosphorus use efficiencies, Chapter 15:171-183. In: Walter Leal Filho,
14. Antony O. Esilaba, Karuturi P.C. Rao and Gummadi Sridhar (Eds.). Adapting African Agriculture to Climate Change: Transforming Rural Livelihoods, Springer International Publishing, Switzerland. Print ISBN 978-3-319-12999-0. Online ISBN 978-3-319-13000-2. 2015. DOI: 10.1007/978-3-319-13000-2-15.
15. Mwaura, M. M., Isutsa, D. K., Ogweno, J. O. and Kasina, M. 2014. Interactive effects of irrigation rate and leaf harvest intensity on edible leaf and fruit yields of multipurpose pumpkin (*Cucurbita moschata* Duchesne). *International Journal of Science and Nature* 5(2):199-204.
16. Isutsa, D. K. and Merwin, I. A. 2014. Nematodes and fungi associated with apple replant disorder in sampled New York State orchards. *Global Journal of Biosciences and Biotechnology* 3(2):174-180.
17. Kiharason, J. W. and Isutsa, D. K. 2014. Potential of orange-fleshed sweet potato in increasing vitamin A dietary intake in up to 60-month-old children in Laikipia, Kenya. *Journal of Chemical, Biological & Physical Sciences* 4(2):1188-1195.
18. Gathungu, G. K., Aguyoh, J. N. and Isutsa, D. K. 2013. Optimization of seed potato (*Solanum tuberosum* L.) tuber yield and size distribution through

- integrated irrigation water, nitrogen and phosphorus mineral nutrient application. *American Journal of Experimental Agriculture* 4(3): 349-361, 2014.
- 19. Gathungu, G.K., Aguyoh, J. N. and Isutsa, D. K. 2013. Integration of irrigation water and mineral nutrient supply effects on firmness and total soluble solids content of seed potato (*Solanum tuberosum* L.). *East African Agricultural and Forestry Journal* 79(1):17-21.
  - 20. Isutsa D. K. and Mallowa, S. O. 2013. Increasing leaf harvest intensity enhances edible leaf vegetable yields and decreases mature fruit yields in multi-purpose pumpkin. *Journal of Agricultural & Biological Sciences* 8(8):610-615.
  - 21. Karanja, B. K., Isutsa, D. K. and Aguyoh, J. N. 2013. Influence of Biozyme® on chlorophyll content, flowering and physiological maturity of potato (*Solanum tuberosum* L.) cultivars. *International J. Current Agric. Research* 1(9):47-51.
  - 22. Karanja, B. K., Isutsa D. K. and Aguyoh J. N. 2013. Climate change adaptation of potato (*Solanum tuberosum* L.) 1: Factors influencing extent of Biozyme® usage in production of potatoes in Mau Narok District of Kenya. *J. Chemical, Biological & Physical Sci.* 3(3):2012-2018.
  - 23. Karanja, B. K., Isutsa, D. K. and Aguyoh J. N. 2013. Climate change adaptation of potato (*Solanum tuberosum* L.) 2: Influence of Biozyme® rate on potato growth and development. *J. Chemical, Biological and Physical Sci.* 3:2019-2031.
  - 24. Karanja, B. K., Isutsa, D. K. and Aguyoh, J. N. 2013. Climate change adaptation of potato (*Solanum tuberosum* L.): Influence of Biozyme® rate on potato yield, quality and mineral nutrient uptake. *IJABR* 3(3):366-373.
  - 25. Karanja, B. K., Isutsa D. K. and Aguyoh, J. N. 2013. Curing reduces postharvest deterioration of Biozyme® produced potatoes (*Solanum tuberosum* L.). *Global Journal of Biosciences and Biotechnology* 2(3):353-360.
  - 26. Gathungu, G. K., Aguyoh, J. N. and Isutsa, D. K. 2013. Influence of irrigation water, nitrogen and phosphorus nutrient application on relative weight loss and sprouting characteristics of seed potato tubers after storage. *Sustainable Agriculture Research* 2(4):30-38.
  - 27. Gaturuku, J. K., Isutsa, D. K. and Aguyoh, J. N. 2012. Irrigation rate and mulch type significantly affect some physiological processes of purple passion fruit (*Passiflora edulis* f. *edulis* Sims.) under drought stress. *IJBAR* 2(1):46-52.
  - 28. Mayoli, R. N. and Isutsa, D. K. 2012. Relationships of light intensity and temperature with growth and development of preconditioned and shaded ranunculus plants under high altitude tropical conditions. *International Journal of Advanced Biological Research* 2(1):24-29.
  - 29. Gaturuku, J. K., Isutsa, D. K. and Aguyoh, J. N. 2011. Irrigation rate and mulch type significantly affect growth and flowering of purple passion fruit (*Passiflora edulis* f. *edulis* Sims). *African J. Horticultural Science* 5:61-69.
  - 30. Mallowa, S. O., Isutsa, D. K., Kamau, A. W. and Legg, J. P. 2011. Effectiveness of phytosanitation in cassava mosaic disease management in a post-epidemic area of western Kenya. *Journal of Agricultural and Biological Sciences* 6(7):8-15.

31. Gaturuku J. K. and Isutsa D. K. 2011. Irrigation and mulch significantly enhance yield but not quality of purple passion fruits. *ARPN Journal of Agricultural and Biological Science*. 6(11):47-53.
32. Isutsa, D. K., Odongo, T. and Aguyoh, J. N. 2011. Response of strawberry quality and profitability to farmyard manure and triple super phosphate under tropical high altitude conditions. *J. Agriculture, Science and Technology* 13(1):3-17.
33. Mayoli, R. N. and Isutsa, D. K. 2010. Effects of pre-conditioning temperature and shade on growth, yield and quality of ranunculus cut flower under high altitude tropical conditions. *UNISWA Research J. Agric., Science and Techn.* 13(1):20-29.
34. Mayoli, R. N., Isutsa, D. K. and Tunya, G. O. 2009. Growth of ranunculus cutflower under tropical high altitude conditions. 2: Effects of GA<sub>3</sub> and shade on light intensity and temperature modification. *African J. Hort. Science* 2:29-42.
35. Mayoli, R. N., Isutsa, D. K. and Tunya, G. O. 2009. Growth of ranunculus cutflower under tropical high altitude conditions. 1: Effects of GA<sub>3</sub> and shade. *African Journal of Horticultural Science* 2:13-28
36. Ogendo, R.O., Isutsa, D.K. and Sigunga, D.O. 2008. Interaction of farmyard manure and plant population effects on soil characteristics and productivity of mulched strawberry in a tropical climate. *Afr. J. Hort. Sci.* 1:100-115.
37. Isutsa, D. K. 2008. Farmyard manure and plant population density influence soil fertility and productivity of non-mulched strawberry in a tropical climate. *Egerton Journal of Science and Technology* 8:75-87.
38. Odongo, T., Isutsa, D. K. and Aguyoh, J. N. 2008. Effects of integrated nutrient sources on growth and yield of strawberry grown under tropical high altitude conditions. *African Journal of Horticultural Science* 1:53-69.
39. Isutsa, D. K. 2006. Effects of mulch and cultivar on strawberry productivity under tropical highland conditions. *Tanzania Journal of Agricultural Sci.* 7(2):125-132.
40. Mallowa, S. O., Isutsa, D. K., Kamau, A. W., Obonyo, R. & Legg, J. P. 2006. Current characteristics of cassava mosaic disease in post-epidemic' areas increase the range of possible management options. *Annals of Applied Bio.* 149(2)137-144.
41. Ngugi, G. M., Isutsa, D. K. and Achwanya, O. S. 2006. Effect of gibberellic acid 3 in maintaining quality of harvested purple passion fruits (*Passiflora edulis* var. *edulis* Sims.). *Egerton Journal: Science and Technology* 6:130-142.
42. Isutsa, D. K. 2006. Performance of micropropagated and conventional passion fruit (*Passiflora edulis* Sims.) varieties in three contrasting agroecological zones. *Egerton Journal: Science and Technology Series*. 6:87-102.
43. Koech, A. A., Isutsa, D. K. and Wu, Q. 2005. Explants, hormones and sucrose influence in vitro shoot regeneration and rooting of calla lily (*Zantedeschia albomaculata* Spreng.). *Journal of Agriculture, Science and Technology* 7:53-66.
44. Isutsa, D. K. 2004. Rapid micropropagation of passion fruit (*Passiflora edulis* Sims.) varieties. *Scientia Horticulturae* 99(3-4):395-400.
45. Bore, J. K., Isutsa, D. K., Itulya, F. M. and Ng'etich, W. K. 2003. Effect of pruning time and resting period on total non-structural carbohydrates, regrowth, and yield of tea (*Camellia sinensis* L.). *Journal of Horticultural Science and Biotechnology* 78(2):272-277.

46. Bore, J. K., Isutsa, D. K., Itulya, F. M. and Ng'etich, W. K. 2002. Effect of time of pruning and lungs on non-structural carbohydrates of tea (*Camellia sinensis* L.). *Tea Journal* 23(1):12-21.
47. Isutsa, D. K. and Merwin, I. A. 2000. *Malus* germplasm varies in resistance or tolerance to apple replant pathogens in a mixture of New York orchard soils. *HortScience* 35:262-268.
48. Isutsa, D. K., Pritts, M. P. and Mudge, K. W. 1998. A protocol for rooting and growing apple rootstock microshoots. *Fruit Varieties Journal* 52(2):107-116.
49. Isutsa, D. K., Pritts, M. P. and Mudge, K. W. 1994. Rapid propagation of blueberry plants using ex vitro rooting and controlled acclimatization of micropropagules. *HortScience* 29(10):1124-1126.
50. Isutsa, D. K. October, 2012. Essentials in deciduous fruit production in the tropics. LAP, AV Akademikerverlag GmbH & Co. KG, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken. ISBN: 978-3-659-27226-4
51. Isutsa, D. K. September, 2012. Production of Passion Fruits from Seed-and Micro-propagated Plants. LAP, AV Akademikerverlag GmbH & Co. KG, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken. ISBN: 978-3-8484-9331-9

## **RESEARCH INTERESTS**

Efficient horticultural production, value addition and farm management technologies.  
Plant biotechnology applications to improve crop productivity and food security.

## **PATENTS**

Ongoing

## **POSTGRADUATE STUDENT SUPERVISION**

See them under publications

## FACULTY OF AGRICULTURE AND ENVIRONMENTAL STUDIES



**Prof Levi Mugalavai Musalia**

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**Department:** Animal Sciences

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### EDUCATION

Ph.D. in Animal Nutrition

Master of Science in Animal Nutrition

Bachelor of Veterinary Medicine

### FIELD OF SPECIALIZATION

Animal Scientist; Associate Professor of Animal Nutrition

### WORK EXPERIENCE

2010-Present: Associate Professor

2011-Present: Dean, Chuka University

2005-2008: External examiner, Bukura Agricultural College, Kenya

2001-2010: Senior Lecturer, Egerton University

1997-2001: Chairman, Department of Animal Science, Egerton University

1988-2001: Lecturer, Egerton University

1981-1988: Veterinary Research Officer, Ministry of Livestock Development

### KEY RESEARCH PROJECTS

2011-2014: Integrated Sorghum and Livestock Production Technologies for Adaptation to Climate Change in Eastern and Southern Kenya (NACOSTI)

2009-2012: Exploiting Sweet Potato as an Animal Feed in East Africa (CIP)

2005-2011: Establishment of a feed resources database for Eastern and Central Africa (ASARECA)

2008-2010: Commercialization of groundnuts production, through efficient on-farm processing and value addition (KAPP)

### RECENT PUBLICATIONS

1. Kirimi J. G., MusaliaL. M., Magana A. and Munguti J. M., 2016. Performance of Nile tilapia (*Oreochromis niloticus*) fed diets containing blood meal as a replacement of fish meal. Journal of Agricultural Science. 8(8):79-87. <http://dx.doi.org/10.5539/jas.v8n8p79>
2. MusaliaL. M., Odilla G. A., Nderi O. M. and Muleke, V., 2016. Current Status of Fodder Production, Marketing and Conservation in the Arid and Semi Arid Lands of Tharaka-Nithi County, Kenya. African Journal of Agricultural Research. 11 (26), pp. 2337-2347. DOI: 10.5897/AJAR2016.111162

3. Kirimi J. G., MusaliaL. M. & Munguti J. M., 2016: Effect of Replacing Fish Meal with Blood Meal on Chemical Composition of Supplement for Nile Tilapia (*Oreochromis niloticus*). East African Agricultural and Forestry Journal. 82 (1): 1-9.:<http://dx.doi.org/10.1080/00128325.2016.1158898>
4. Indetie D., Musalia L., Bebe B., Wathuta E., Indetie A., Kinywa J., and LukibisiF.,2015.Effects of Nutritional Supplementation and Genotype on Milk Production and Fertility of Lactating Dairy Cattle under Tropical Conditions. Bulletin of Animal Health and Production in Africa, (Animal Genetics Resources Special Edition, 2015):179-190
5. Musalia L.M. 2015. Climate Change: Impact of Meat Production. In: P.K. Malik, R. Bhatta, J. Takahashi, R.A. Kohn and C.S. Prasad (eds.) Livestock Production and Climate Change. Publisher CABI, Oxfordshire, UK. Accession no. ISBN-13:9781780644325. pp. 202-213.  
<http://www.cabi.org/cabbooks/ebook/20153123668>.
6. Nderi M. O., Musalia L. M., Ombaka O., 2015. Effects of Natural Licks on Feed Intake, Nutrient Digestibility, Milk Production and Quality in Kenya Alpine Dairy Goat Ration. International Journal of Agricultural Sciences & Veterinary Medicine, 3 (4):65-75. <http://www.ijasvm.com/currentissue.php>

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Year	Status
1	Indetie Douglas, PhD	Influence of Nutritional Metabolites and Hormones on Reproductive Performance in Lactating Cattle.	2008	Graduated, 2015
2	Dennis G. Njeru, MSc	Growth performance of goats fed on five browse foliage mixtures as supplements to low quality basal diet.	2011	Graduated, 2016
3	James G. Kirimi, MSc	Effect of feeding blood meal on growth rate and economic performance of Nile tilapia ( <i>Oreochromisniloticus</i> ) in a fertilized pond.	2011	Graduated, 2015
4	Onesmus M. Nderi, MSc	Effects of natural licks in lactating dairy goats in Tharaka-Nithi county, Kenya.	2011	Graduated, 2015
5	Joseph G. Ritara, Msc	Effects of fermentation and enzyme treatment on sunflower cake as a sole source of protein for broilers.	2010	Graduated, 2014
6	James M. Kinyua, MSc	Evaluating the potential of sweet potato as an animal feed in Kenya.	2009	Graduated, 2013
7	Samuel Koech, Msc	Socio-Economic Analysis of Fodder Legumes: The Case of Calliandra and Desmodium in Smallholder Dairy Farms of Embu District, Kenya.		Graduated, 2005

8	Jackson. K. Kitili M.Sc.	Evaluation of <i>Acacia seyal</i> and <i>Balanitesaegyptiaca</i> as a source of nutrients for ruminants.		Graduated, 2003
9	Joseph A. Omega, PhD	Epidemiology and socioeconomic impact of bovine and ovine paratuberculosis in Kericho county, Kenya.	2013	On-going
10	James M. Kinyua, PhD	Effect of supplementing sweet potato vines fortified with treated soybean meal on the growth of alpine dairy goat weaners.	2014	On-going
11	James G. Kirimi, PhD	Performance of Nile tilapia ( <i>Oreochromisniloticus</i> ) fed on plant protein diet supplemented with papain enzyme.	2016	On-going
12	Onesmus M. Nderi, PhD	Nutritional evaluation of <i>Piliostigmthonningii</i> pods as feed supplements for lactating dairy goats in Kenya.	2016	On-going
13	Ernest M. Nyaga, PhD	The potential of meat productivity of <i>Capra hircus</i> breeds in Meru South/Maara District.	2010	On-going

## RESEARCH INTERESTS

Expand the animal feed base through improved utilization of non - conventional feeds  
Improving efficiency in feed utilization

Applied nutrition in reproduction, dairy and meat production



### **Dr. Geoffrey Kingori Gathungu**

**Designation:** COD and Lecturer

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**Department** of Plant Science

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## **EDUCATION**

Ph.D. in Horticulture

M.Sc. in Agronomy

B.Sc. in Agriculture

## **FIELD OF SPECIALIZATION**

Lecturer of Agronomy and Horticulture

## **WORK EXPERIENCE**

2014 Sept-To date: Lecturer, Department of Plant Science, Chuka University

2012 Dec-Aug 2014: Assistant Lecturer, Chuka University

2001 July-Nov 2012: Research Officer, Kenya Agricultural Research Institute

1997-2001: Agricultural Officer, Ministry of Agriculture, Livestock Development

## **KEY RESEARCH PROJECTS**

2014 to date Effects of farmyard manure and harvesting frequency on insect pests, leaf yield, and longevity of kitchen garden kales

## **RECENT PUBLICATIONS**

1. **Gathungu, G. K.**, Aguyoh, J. N. and Isutsa, D. K. 2016. Seed potato growth, harvest index and net economic benefit improvement through irrigation water, nitrogen and phosphorus management. American Journal of Agricultural Science and Technology, 4 (1):9-24. doi:10.7726/ajast.2016.1002
2. Njogu, M. K., **Gathungu, G. K** and P. D. Muchiri. 2015. Comparative Effects of Foliar Application of Gibberellic Acid and Benzylaminopurine on Seed Potato TuberSprouting and Yield of Resultant Plants. American Journal of Agriculture and Forestry 3(5): 192-201. doi:10.11648/j.ajaf.20150305.14
3. Muchiri, P. D., **Gathungu, G. K.**, Njogu, M. K., Nyankanga, R. O., Ambuko, J. and J. A. Landeo. 2015. Optimization of Seed Potato (*Solanum tuberosum L.*) Tuber Dormancy and Sprouting Capacity through Integrated Gibberellic Acid and Benzylaminopurine Application. Journal of Agriculture and Ecology Research International, 4(4): 188-198. DOI: 10.9734/JAERI/2015/20345
4. **Gathungu G. K.**, Aguyo J. N., Isutsa D. K. July, 2015. Optimization of seed potato specific density, starch and matter content and tuberization capacity of resultant plant through intergrated irrigation. Nitrogen and phosphorus

- management. *Journal of Plant Science*. 3(4): 225-233. ISSN 2331-0723. doi: 10.11648/j.jps.20150304.19
5. **Gathungu G. K.**, Aguyoh J. N. & Isutsa D.K. July, 2014. Effects of Irrigation Water and Mineral Nutrients Application Rates on Tissue Contents and use of Efficiencies in Seed Potato Tuber Production. *International Journal of Plant Science*. 3(9): 1153-1166.
  6. **Gathungu G.**, Aguyoh J., & Isutsa D. K. December, 2013. Optimizing Seed Potato (*Solanum tuberosum L.*) Tuber Yield and Size Distribution through Integrated Irrigation Water, Nitrogen and Phosphorus Mineral Nutrient Application. *American Journal of Experimental Agriculture*. 4(3):349-361.
  7. **Gathungu G.K.**, Aguyoh J.N., & Isutsa D.K. 2013. Integration of Irrigation Water and Mineral Nutrient Supply Effects on Firmness and Total Soluble Solids Content of Seed Potato (*Solanum tuberosum L.*) *E. Afr. For. J.* 79(1): 17-21
  8. **Gathungu, G. K.**, Aguyoh J. N. and Isutsa, D. K. 2016. Improving seed potato leaf area index, stomatal conductance and chlorophyll accumulation efficiency through irrigation water, nitrogen and phosphorus nutrient management. *Journal of Agricultural Studies* 4(1):127-141. doi:10.5296/jas.v4i1. 8908
  9. **Gathungu, G. K.**, Aguyoh J. N., & Isutsa D. K. July, 2013. Influence of Irrigation Water, Nitrogen and Phosphorus Nutrient Rates on Relative Weight Loss and Sprouting Characteristics of Seed Potato Tubers after Storage. *Sustainability Agriculture Research*. 2(4):30-38. ISSN 1927-050X.

#### **POSTGRADUATE STUDENTS SUPERVISED**

S/N	Name	Thesis Title	Year	Status
	Masters			
1	Peter Kuria Nduati	Impact of farm based activities on woody plants species diversity and structure in Maara Sub-County, Tharaka-Nithi County	2014	Data collection
2	Samuel Kivuti Nyaga	Effectiveness of climate change adaptation and soil fertility enhancement measures on crop production in Mbeere South Sub-County, Embu County	2014	Data collection
3	Naftaly Osoro Nyakundi	Evaluation of the effects of agricultural land use on soil organic carbon stocks in smallholder farms in Embu County, Kenya	2014	Data collection
4	Elias Kaboi Karanja	Impact of kerugoya municipal effluent on water quality of Kahiga - Ini Stream in Kirinyaga County, Kenya	2014	Data collection
5	Anita Mwende Mutegi	Assessment of the factors affecting sustainability of community based food security projects in Tharaka subCounty, Tharaka-Nithi County, Kenya	2015	Proposal development

	Ph.D			
1	Pauline Wanjiru Kiragu	Effect of the integration of naphthalene acetic acid, staking and mineral nutrient on growth, yield and seed quality of climbing beans ( <i>Phaseolus vulgaris L.</i> )	2014	Data collection
2	Denis K. Muriithi (Moi University)	Modeling and Optimization of Multiple Responses of Watermelon to Organic Manure Using Response Surface Methodology	2015	Data collection

## **RESEARCH INTERESTS**

Sustainable Crop Production



### **Dr. Shelmith Wanja Munyiri**

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## **EDUCATION**

Ph.D. in Plant Breeding and Biotechnology

Master of Science in Agronomy (Crop Protection Option)

Bachelor of Science in Horticulture

## **FIELD OF SPECIALIZATION**

Lecturer in Plant Breeding, Biotechnology and Agronomy

## **WORK EXPERIENCE**

2012 Oct-To date: Lecturer, Plant Science Department

2010 Dec-Sept 2012: Faculty of Agriculture and Environmental Sciences

## **KEY RESEARCH PROJECTS**

2014-To date Maize Improvement Research in Collaboration with CIMMYT-Kenya

## **RECENT PUBLICATIONS**

1. Mwololo J.K., Munyiri S.W., Semagn K., Mugo S. and Okori P. 2015. Genetic Diversity Analysis in Tropical Maize Germplasm for Stem Borer and Storage Pest Resistance using Molecular Markers and Phenotypic traits. *Molecular Plant Breeding* 6 (17):1-22.
2. Munyiri S.W. and Mugo S.N. 2014. Resistance to spotted stem borer in commercial maize hybrids and open pollinated varieties in Kenya. Contributions from the 3<sup>rd</sup> Africa-Wide Women and Young Professionals in Science Competitions. CTA and FARA; Vol 4 Issue 3.
3. Munyiri S. W., Mugo S. N., Otim M., Tefera T., Beyene Y., Mwololo J. K. and Okori P. 2013. Responses of tropical maize landraces to Spotted stem borer damage in Kenya. *African Journal of Biotechnology* 12(11):1229-1235.
4. Munyiri S. W., Okori P., Mugo S. N., Otim M., Tefera T. and Mwololo J. K. 2013. Mechanisms of resistance in tropical maize inbred lines to *Chilo partellus* (Lepidoptera: Crambidae). *Journal of Agricultural Science* 5 (7): 51-60.
5. Munyiri S.W. and Tabu I.M. 2013. Resistance to the larger grain borer (*Prostephanus truncatus*) and yield performance in selected local maize landraces in Kenya. *International J. Agronomy and Agricultural Science*, 3 (2):40-47.
6. Munyiri S. W., Pathak R. S., Tabu I. M., and Gemenet D. C. 2010. Effects of moisture stress at flowering on phenotypic characters of selected maize local landraces in Kenya. *Journal of Animal and Plant Sciences* 8 (1): 892-899.

7. Mwololo J. K., Mugo S. N., Tefera T., Okori P., Munyiri S. W., Semagn M., Otim M. and Beyene Y. 2012. Resistance of Tropical Maize Genotypes to the Larger Grain Borer. *Journal of Pest Science* 85 (2): 267-275.
8. Gemenet D.C., Wachira F.N., Pathak R.S. and Munyiri S.W. 2010. Identification of molecular markers linked to drought tolerance using bulked segregant analysis in Kenyan maize (*Zea mays* L.) landraces. *Journal of Animal and Plant Sciences* 9(1):1122-1134.
9. Muturi, P. W., Mwololo, J. K., Munyiri, S. W., Ruibahayo, P., Munyua, J. K., Mgonja, M., Manyasa, E, and Kiarie, N. 2010. A perspective on proteomics: current applications, challenges and potential uses. *Agriculture and Biology Journal of North America* 1 (5):916-918.

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Julius Gikonyo Gachago	Maize Yield, Other Benefits and Constraints Linked to <i>Moringa oleifera</i> Farming in Mbeere sub - county	2012	Continuing

#### **RESEARCH INTERESTS**

Crop improvement activities for improved varieties for better livelihoods  
 Climate change adaptation and mitigation in agricultural systems  
 Mainstreaming gender in agriculture for rural development



### Peris Wangari Nderitu

**Designation:** Assistant Lecturer

**Faculty:** Agriculture & Environmental Studies

**Department:** Plant Sciences

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**Mobile:** +254724383817

**Email:** perrykaari@yahoo.co.uk

## EDUCATION

Ph.D. in Crop Protection - Ongoing  
Master of Science in Crop Protection  
B.Sc. in Horticulture

## FIELD OF SPECIALIZATION

Agricultural Entomology & Pathology

## WORK EXPERIENCE

Assistant - Lecturer

## KEY RESEARCH PROJECTS

2009-2011: Field evaluation of insect pests and diseases attacking mulberry in Kenya.  
Morphological and molecular characterization of mulberry accessions grown in Kenya  
2015-Ongoing: Integrated management of the tomato leaf miner (*Tuta absoluta*) in tomato in Kirinyanga County, Kenya

## RECENT PUBLICATIONS

1. Ochieng, O & Nderitu, P 2011 'Biocontrol approach to management of green peach aphid *Myzus persicae* in garden peas for a sustainable ecosystem,' *Journal of Horticulture and forestry*, 3(8):231-237 <http://www.academicjournals.org/jhf>
2. Nderitu, P, Kinyua, M, Mutui, T & Ngode, L 2012 'Field evaluation of mulberry accessions for susceptibility to foliar diseases in Uasin-Ngishu District, Kenya', *African Journal of Biotechnology*, 11(15):3569-3574. <http://www.ajol.info/index.php/ajb/article/.view/100868/90072>
3. Nderitu, P, Kinyua, M, Mutui, T & Ngode, L. 2013 'Use of SSR markers for genetic diversity studies in mulberry accessions grown in Kenya', *International Journal of Biotechnology and Molecular Biology Research* 4 (3):38-44 [http://academicjournals.org/article/article1379504894\\_Wangari%20et%20al.pdf](http://academicjournals.org/article/article1379504894_Wangari%20et%20al.pdf)
4. Nderitu, P, Kinyua, M, Mutui, T & Ngode, L 2014 'Morphological Characterization of Mulberry (*Morus spp.*) Accessions grown in Kenya', *Sustainable Agriculture Research Journal* 3(1) ISSN1927-050X <http://www.ccsenet.org/journal/index.php/sar/article/viewFile/32171/18742>
5. Kiptoo, J, Kasina, M, Wasilwa, L, Ngouajio, T, Martin, T, Too, A, Cheboi, J & Nderitu, P 2015 'Disease severity on cabbage protected from arthropod pests with

- insecticide treated agronets in Kenya', *American journal of experimental agriculture* 9 (5):1-10.<http://sciencedomain.org/review-history/11358>
6. Nderitu Wangari Peris and Ngode Lucas, 2016 'Susceptibility of Mulberry Accessions Grown in Kenya to Insect Pests under Field Conditions' *Research Journal of Agriculture and Forestry Sciences* E-ISSN 2320-6063 4(9):1-5. www.Isca.In, www.Isca.me

## **RESEARCH INTEREST**

Agricultural Entomology & Pathology

**Dr. Haggai Onyango Nduku****Designation:** Lecturer

Faculty of Agriculture and Environmental Sciences

Department of Plant Sciences

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**EDUCATION**

Ph.D. in Soil Science

Master of Science in Soil Science

B.Sc. in Agriculture

**FIELD OF SPECIALIZATION**

Lecturer of Soil Science

**WORK EXPERIENCE**

2015 to date: Lecturer

2008-2015: Agricultural Officer

**KEY RESEARCH PROJECTS**

2011-2016: Productivity and Growth in Organic Value Chains

**RECENT PUBLICATIONS**

1. Nduku, O. H., Onwonga, R., Genga, Q., Wahome, G. and Henning, J. (2013). Climate change and variability: Experiences, coping and adaptation strategies among the smallholder organic vegetable farmers in Central Kenya. International newsletter from ICROFS.orbit.dtu.dk
2. Nduku, O. H., Onwonga, N. R., Wahome, G. R., Kironchi, G. and Jensen, H. H, (2015). Assessment of organic farmers' knowledge and adaptation strategies to climate change and variability in central Kenya-British Journal of Applied Science & Technology, ISSN: 2231-0843, Vol.: 17, Issue. 6.

**RESEARCH INTEREST**Soil microbiology. Biological nitrogen fixation by *Rhizobium* spp



## Dr. Moses Mahugu Muraya

**Designation:** Lecturer

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## EDUCATION

Ph.D. in Genetics and Plant Breeding University of Hohenheim, Germany

M.Sc. in Plant Breeding Egerton University, Kenya

B.Sc. in Agriculture University of Nairobi, Kenya

## FIELD OF SPECIALIZATION

Geneticist, Plant Breeder, Lecturer

## WORK EXPERIENCE

Sept 2014 to date: Lecturer, Chuka University, Kenya

Aug 2014-July 2015: Guest Scientist, Leibniz-Institute for Plant Genetics and Crop Plant Research (IPK-Gatersleben), Germany

Sept 2013: Visiting Scholar, Plant Genomic lab, Iowa State University, USA

Aug 2009-July 2014: Postdoc/Research scientist, IPK-Gatersleben, Germany

## KEY RESEARCH PROJECTS

2015 to date: Biochemical effects of Municipal solid waste, quantification, utilisation and energy generation prospects in Mt. Kenya region

2013 to date: Genetic and biomarkers-based predictive breeding of maize cultivars

2013 to date: Linking biomarkers and genetic markers to phenotypic variation (association genetics)

2009 to date: Genome-wide copy number variation (CNV) and presence absence variation (PAV) discovery in maize inbred diversity panel using array comparative genomic hybridisation and sequence capture techniques

2011-2015: Large scale sequence polymorphism discovery in maize populations using sequence capture and targeted resequencing with next generation sequencing platforms (454 and Illumina)

2009-2015: High-throughput phenotyping and deep genotyping on a large maize inbred diversity panel using an automated non-invasive phenotyping (LemnaTec scanalyzer 3D) system and maizeSNP50 arrays

## RECENT PUBLICATIONS

1. Muraya MM, Chu J, Zhao Y, Junker A, Klukas C, Reif JC, Altmann T (2016) Genetic variation of growth dynamics in maize (*Zea mays* L.) revealed through automated non-invasive phenotyping. *The Plant Journal*: DOI: 10.1111/tpj.13390

2. Edlich-Muth C, Muraya MM, Altmann T, Selbig J, (2016) Phenomic prediction of maize hybrids. Biosystems. dx.doi.org/10.1016/j.biosystems.
3. Muraya MM, Schmutzter T, Ulpinnis C, Scholz U, Altmann T (2015) Targeted sequencing reveals largscale sequence polymorphism in maize candidate genes for biomass production and composition PLoS ONE 10(7): e0132120. Doi:10.1371/journal.pone.0132120
4. Junker A, Muraya MM, Weigelt-Fischer K, Arana-Ceballos F, Klukas C, Melchinger AE, Meyer RC, Riewe D, Altmann T (2015) Optimizing experimental procedures for quantitative evaluation of crop plant performance in high throughput phenotyping systems. Frontiers in Plant Sciences. 5(770):1-21. Doi: 10.3389/fpls.2014.00770
5. Castellini A, Edlich-Muth C, Muraya MM, Klukas C, Altmann T, Selbig J, (2015)-Towards a Graph-Theoretic Approach to Hybrid Performance Prediction from Large-Scale Phenotypic Data. In Information Processing in Cells and Tissues (Eds: Michael Lones, Andy Tyrrell, Stephen Smith, Gary Fogel), pages 173–184; Springer, ISBN: 978-3-319-23108-2
6. Muraya MM (2014) Sorghum Genetic Diversity. In: Genetics, Genomics and Breeding of Sorghum (Eds: Yi-Hong Wang, Hari D. Upadhyaya, Chittaranjan Kole, CRC Press Taylor and Francis group, London) p. 114-140
7. Muraya MM, Geiger HH, Sagnard F, Toure L, Traore PCS, Togola S, de Villiers S, Parzies HK (2012) Adaptive values of wild × cultivated sorghum (*Sorghum bicolor* (L.) moench) hybrids in generations F1, F2, and F3. Genetic Resources and Crop Evolution. 59:83-93
8. Muraya MM, de Villiers S, Parzies HK, Mutegi E, Sagnard F, Kanyenji BM, Kiambi D, Geiger HH (2011) Genetic structure and diversity of wild sorghum populations (*Sorghum* spp.) from different eco-geographical regions of Kenya. Theoretical Applied Genetics. 123:571-583.
9. Muraya MM, Mutegi E, Geiger HH, de Villiers SM, Sagnard F, Kanyenji BM, Kiambi D, Parzies HK (2011) Wild sorghum from different eco-geographic regions of Kenya display a mixed mating system. Theoretical Applied Genetics. 122:1631-1639
10. Muraya MM, Geiger HH, Sagnard F, de Villiers S, Kanyenji BM, H.K. Parzies HK (2011) Investigation of pollen competition between wild and cultivated sorghums (*Sorghum bicolor* (L.) Moench) using simple sequence repeats markers. Euphytica 178: 393-401

#### **POSTGRADUATE STUDENTS SUPERVISED**

<b>SN</b>	<b>Name</b>	<b>Thesis Title</b>	<b>Year</b>	<b>Status</b>
1	Pauline Wanjiku Kiragu	Effect of integrating naphthalene acetic acid, staking and mineral nutrient on growth, yield and seed quality of climbing beans ( <i>Phaseolus vulgaris</i> L.)	2015/16	Continuing

2	Naftaly Osoro Nyakundi	'Effects of Agricultural Land Use Practices on Soil Organic Carbon Stocks in Small Holders Farms in Embu County, Kenya'	2012/13	Continuing
3	Irene Wangui Mwendandu	Determinants of adaptation to climate variability among smallholders farmers in Meru South Sub - county; Kenya	2011/12	Continuing

### **RESEARCH INTEREST**

1. Finding genes or genomic elements that affect phenotypic variation; characterising these genes and their functions; elucidating the molecular, biochemical, physiological processes affected by these genes, and linking them to phenotypic variation
2. Breeding for increased yields, nutritive values, pest/insect resistance, water and nutrient use efficiency by incorporating molecular breeding, genetic engineering/biotechnology and traditional breeding techniques
3. Environmental assessment, waste characterisation, microbial pollutants degraders characterisation and development of microbe-based de-pollution techniques



### Martin Kagiki Njogu

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## EDUCATION

Ph.D. Ongoing

Master of Science in Horticulture

B.Sc. in Agriculture

## FIELD OF SPECIALIZATION

Horticulture and Agricultural related field

## WORK EXPERIENCE

2012 Nov – To date: Assistant Lecturer, Chuka University

March 2009 – Nov. 2012: Lecturer (A.H.I.T.I, Ndomba) under Ministry of Agriculture Livestock and Fisheries

## KEY RESEARCH PROJECTS

2008 - 2010 Efficacy of stinging nettle and phosphoric acid in the management of late blight of potato.

## RECENT PUBLICATIONS

1. Njogu M.K., Gathungu G K., Muchiri P.D., 2015. Comparative Effects of Foliar Application of Gibberellic Acid and Benzylaminopurine on Seed Potato Tuber Sprouting and Yield of Resultant Plants. American Journal of Agriculture and Forestry, 3(5):192-201. doi: 10. 1 1648/j.ajaf.20150305.14
2. Muchiri P. D., Gathungu G. K., Njogu M. K., Nyankanga R. O., Ambuko J., Landeo J. A (2015) Optimization of seed potato (*Solanum tuberosum L.*) Tuber Dormancy and Sprouting Capacity through Integrated Gibberellic Acid and Benzyl aminopurine Application. Journal of Agriculture and Ecology Research International 4(4):188-198, 2015; Article no. JAERI.2015. 064 ISSN: 2394-1073
3. Njogu, M., Muindi, E., Muthomi, J., Nyankanga, R., Muchiri, P. (2014). Phytophthora infestans responses to stinging nettle extract, phosphoric acid and fungicides combination, in Kenya. Direct Research Journal of Agriculture and Food Science 2(9):128-134.
4. Muindi E. M., Mrema J. P., Semu E., Mtakwa P. W., Gachene C. K. and Njogu M. K. (2015) Lime-Aluminum-Phosphorus Interactions in Acid Soils of the Kenya Highlands American Journal of Experimental Agriculture 9(4): 1-10 Article no. AJEA. 2 0220 ISSN: 223 1-0606

5. Muchiri P.D., Njogu M. K Nyankanga R.O., Hutchinson J.M., Ambuko J., Landeo J.A. (2014). Comparative performance of true potato seed (tps) propagated through nursery transplants, tubers and minitubers. Direct Research Journal of Agriculture and Food Science. 2 (11):184-191, ISSN 2354-4147
6. Muindi, E.M., Semu, E., Mtakwa P.W., Gachene, O.K., Mrema J.P., Njogu M.K. (2014). Phosphorus adsorption and its relation with soil properties in Acid Soils of Western Kenya International Journal of Plant & Soil Science 4(3): 203-211, ISSN: 2320-7035•
7. Nyankanga, R.O., Njogu, M.K., Muthomi, J.W., Olanya, M. (2012). Efficacy of fungicide combinations, phosphoric acid and plant extract from stinging nettle on potato late blight management and tuber yield. Archives of Phytopathology and Plant Protection 45(12) 1449-1463

#### **RESEARCH INTEREST**

Vegetable production and research on insect pest and plant diseases



### Dr. Alfred Mugambi Mariga

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## EDUCATION

Ph.D. in Food Sciences

Master of Science in Nutritional Sciences

B.Sc. in Food Science and Technology

Certificates in: 1. Dairy Technology 2. Tropical Limnology

## FIELD OF SPECIALIZATION

Food Science and Technology and Human Nutrition

Lecturer of Food Science and Technology and Nutrition

## WORK EXPERIENCE

2014 to date Food Science and Technology Lecturer Assistant Lecturer

2010 Teaching Assistant

2006 to 2010 Research Assistant

## KEY RESEARCH INTERESTS

Functional Foods

## RECENT PUBLICATIONS

1. Liu, F., Pei, F., Mariga, A.M., Gao, L., Chen, G.-t., & Zhao, L.-y. 2015. Separation and speciation analysis of zinc from *Flammulina velutipes*. *Journal of Food and Drug Analysis*. xxx; 1-6doi:10.1016/j.jfda.2014.06.008
2. Yang, W.-j, Yu, Jie, Mariga, A.M., Ma, N, Pei, F., Sun, G-j., & Hu Q.-h. 2015. Polysaccharides from *Flammulina velutipes* improved scopolamine-induced impairment of learning and memory of rats. *Journal of Functional Foods* 18; 411-422
3. Nyabuto D.K., Cao K., Mariga A.M., Kibue G. W., & Wang C-h. 2015. Growth performance and biochemical analysis of the genus *Spirulina* under different physical and chemical environmental factors. *African Journal of Agricultural Research*,10(10), xx-xx
4. Fang, D-l, Yang, W-j, Kimatu, B.M., Mariga, A.M., Zhao, L-y,An, X-x& Hu, Q-h. 2015. Effect of nanocomposite-based packaging on storage stability of mushrooms (*Flammulina velutipes*). *Innovative Food Science and Emerging Technologies*. DOI:10.1016/j.ifset.2015.11.016
5. Yang W.-j., Yu J., Mariga, A.M., Ma, N., Fang, Y., Pei, F., & Hu Q.-h. (2015). Effect of Hot Air Drying on Volatile Components of *Flammulina velutipes*

- Detected by HS-SPME-GC-MS and Electronic Nose. *Food Chemistry* 196, 860–866
6. Mariga, A.M., Pei, F., Yang, W.-j., Zhao, L.-y., Shao, Y.-n., Mugambi, D. K. & Hu, Q.-h. 2014. Immunopotentiation of *Pleurotus eryngii* (DC. ex Fr.) Quel. *Journal of Ethnopharmacology*, 153, 604-614.doi: <http://dx.doi.org/10.1016/j.jep.2014.03.006>
  7. Mariga, A.M., Yang, W.-j., Mugambi, D.K., Pei, F., Zhao, L.-y., Shao, Y.-n. & Hu, Q.-h. 2014. Antiproliferative and immunostimulatory activity of a protein from *Pleurotus eryngii*. *Journal of the Science of Food and Agriculture*. doi: 10.1002/jsfa.6665
  8. Ma, G.-x, Yang, W.-j., Mariga, A.M., Fang, Y., Ma, N. Pei, F., & Hu, Q-h. 2014. Purification, characterization and antitumor activity of polysaccharides from the residue of *Pleurotus eryngii*. *Carbohydrate polymers*. DOI: 10.1016/j.carbpol.2014.07.069
  9. Sun,Y., Ma, Y.-y., XU, Z.-h., Yang, W.-j., Mariga, A. M., Pang, G.-c., Geng, C.-y., & Hu, Q.-h. 2013. Immunoregulatory effects of superfine powder of *Pleurotus eryngii* (DC. ex Fr.) Quel. *Food and Agricultural Immunology*. doi:10.1080/09540105.2013.858662
  10. Sun, Y., Shao, Y., Zhang, Z., Wang, L., Mariga, A. M., Pang, G., Geng, C.-y., Ho, C.-t. & Hu, Q-h. 2014. Regulation of human cytokines by *Cordyceps militaris*. *Journal of Food and Drug Analysis*. doi: 10.1016/j.jfda.2014.01.025

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Year	Status
1	Lawrence Mugambi	Efficacy of multi-nutrient supplementation on nutritional status and physical endurance in sports	2015	Continuing

#### **RESEARCH INTEREST**

Functional foods (use of food bioactive compounds to treat diseases like cancer)  
Biotechnology (control of diseases using microorganisms)



### **Patrick Kabui Njoroge**

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**Department** of Plant Science

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## **EDUCATION**

Master of Science in Agronomy

B.Sc. in Agriculture

Diploma in Project Management

## **FIELD OF SPECIALIZATION**

Agronomy

## **WORK EXPERIENCE**

2015 Feb-Date: Assistant Lecturer Plant science department

## **KEY RESEARCH PROJECTS**

2000 Response of snowpeas (*Pisum Sativum* L. Var. Oregon Sugar Pod II) to nitrogen and phosphorous fertilization. (M.Sc. Thesis)

## **RECENT PUBLICATIONS**

1. Kabui, N.P., Shibairo, S.I., Githiri, S.M. & Mburu, M.W. 2015. Effects of phosphorous on growth and yield of snowpeas (*Pisum sativum* L. var. Oregon Sugar Pod II) *Asian Journal of Applied Science and Engineering*, 4:147-156. ISSN 2305-915X (p).
2. Njoroge, P.K., Shibairo, S.I., Githiri, S.M. & Mburu, M.W. 2014. Effects of nitrogen application on growth and yield of snowpeas (*Pisum sativum* L. var. Oregon Sugar Pod II) *Asian Journal of Applied Science and Engineering*, 3:33-41. ISSN 2305-915X(p)

## **RESEARCH INTERESTS**

Soil science and crop production



### Grace Opetu Abucheli

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## EDUCATION

Ph.D. in Horticulture: Ongoing

Master of Science in Horticulture

B.Sc. in Horticulture

## FIELD OF SPECIALIZATION

Lecturer of Horticulture (Speciality Floriculture and ornamental Horticulture)

## WORK EXPERIENCE

2013 January to date: Assistant Lecturer, Plant science Department

2006-2012 December: Horticulture crop development officer, Nakuru County

2000-2004 Magana flowers Ltd. Production supervisor (rose cut flower production)

## KEY RESEARCH PROJECTS

1. 2012 developed a competitive Ph.D research proposal on 'Growth and quality of rose flower (*Rosa hybrida* spp.) cultivars as influenced by light transmission through selected poly film covers and different levels of calcium foliar feed' that won funding Kshs. 1,000,000 by National Commission of Science, Technology and Innovation (NACOSTI) funded as the principle investigator.
2. In collaboration with 5 others from Egerton University, KEPHIS (Kenya Plant Health Inspectorate Services) and Ministry of Agriculture awarded Women Scientist fund Kshs. 2,600,000 to carry out a study on 'Enhancing food safety in the kenyan domestic market through reduced pesticide residues on vegetables - a value chain approach
3. OIP Global Experience Award \$4,000 level of participation as a collaborator. Developing an undergraduate level case study on cassava viral diseases. Collaborators from 5 institutions: Iowa State University (USA), University of Nairobi, Kenyatta University,
4. Chuka University and Makerere University Chuka University internal research funds awarded Kshs. 500,000 Principle investigators 2014. 'Modification of growth environment using shade nets and green manure media amendment as strategies to management of bacteria soft rot in calla lily'

## **RECENT PUBLICATIONS**

1. Oloo-Abucheli. G., J. N. Aguyoh and G. Liu. 2016. Pre-Harvest Calcium Treatment under Selected Poly Films Improves Leaf Chlorophyll Content in Rose Cut Flower. International Journal of Plant & Soil Science. 13(1):1-9.
2. Nyalala, S.P. O., L., Yuan, G.O. Oloo, L. Gaoquiong, Z., Hongsheng, S., Xin and J. N. Wolukau. 2016. Farming in Kenya; Agricultural development and applicable technology in Africa. Zhejiang Science and Technology Publishing House China, and Egerton University press, Kenya
3. Oloo-Abucheli, G., J.N. Aguyoh and L. Gaoquiong. 2015. Greenhouse microclimate as influenced by poly film covers and its effect on growth of rose cut flower (*Rosa hybrida* spp.) cultivars. Acta Hort. 1077: 23-34
4. Oloo, G., Aguyoh J. N., Tunya G. O. and O. J. Ombiri. 2011. Management of *Fusarium oxysporum f. sp. rosae*. Using Metham sodium, Dazomet and Brassica Biofumigants in Greenhouse Rose (*Rosa spp.*) Production. Journal of Agricultural and Biological Sciences. 6 (2): 10-16

## **RESEARCH INTERESTS**

Floriculture, postharvest and use of botanical crops in managing soil borne pathogens



### **Stephen Wachira Kariuki**

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**Department:** Plant Science

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## **EDUCATION**

Ph.D.: ongoing

Master of Science in Food Science & Technology

Bachelor of Science in Food Science & Technology

## **FIELD OF SPECIALIZATION**

Lecturer in Food Science & Technology

## **WORK EXPERIENCE**

2015 To date: Assistant Lecturer, Chuka University

## **KEY RESEARCH PROJECTS**

2014 - To date: Nutritional diversity of grain amaranth species grown in Kenya and its utilization in noodles processing

## **RECENT PUBLICATIONS**

Stephen Kariuki, Daniel Sila, Glaston Kenji. 2013. Nutritional Profile of Amaranth Grain Varieties Grown in Kenya, Journal of Food Science and Quality Management www.iiste.org ISSN 2224-6088 (Paper) ISSN 2225-0557 (Online) Vol. 17

## **RESEARCH INTERESTS**

Food Microbiology, Food Analysis



### **John Njeru Kathiomi Phineas**

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## **EDUCATION**

PhD in Soil and Water Management: In-Progress, Kenyatta University

Master of Science Agricultural Engineering Cranfield University, United Kingdom

Bachelor of Science Agricultural Engineering Mississippi state University USA

Advanced Diploma Agricultural Engineering, (Farm Power and Machinery University for Tropical Agriculture, Witzenhausen, Germany

Diploma Agricultural Engineering Egerton College, Njoro, Kenya

## **FIELD OF SPECIALIZATION**

Senior lecturer of Farm Power and Machinery Soil Tillage and Management

## **WORK EXPERIENCE**

2005-2015: Senior lecturer, Department of Agricultural Engineering. Egerton University

November 2002-May 2005: Lecturer, Department of Agricultural Engineering, Egerton University

January 1986-November 2002: Assistant Lecturer, Dept. of Agricultural Engineering, Egerton University.

August 1992-September 1996 Examination Officer, Department of Agricultural Engineering, Egerton University

March / April 1996: Took part in a one month training course for senior staff from the Ministries of Agriculture in African English speaking countries, sponsored by FAO at Egerton University, and I taught Farm Power and Machinery Courses.

## **WORKSHOPS/SEMINARS ATTENDED**

July, 1997: Seminar on precision Farming at Silsoe College, United Kingdom.

Sept. 2000: Workshop on Conservation Tillage at Machakos town organized by the Ministry of Agriculture and Kenya Agricultural Research Institute.

July 23<sup>rd</sup>-24<sup>th</sup> 2001: Workshop on student academic advising at Egerton University.

July 25<sup>th</sup>-27<sup>th</sup> Nov. 2001: Participated in a University Teaching Methods Course held at Egerton University, Kenya

Jan. 20<sup>th</sup>-24<sup>th</sup>, 2002: Workshop held at Egerton University on Dry land farming.

Oct. 20008: Workshop on Research Proposal Writing at Egerton University – Njoro.

February, 2009: Workshop on University Teaching Methods at Egerton University.

February 22<sup>nd</sup>-23<sup>rd</sup> 2012: Workshop on Research Proposal Writing at Egerton University, Njoro

### **STUDENTS SUPERVISED**

Year 2001 Supervised research project on Design and construction of hand pushed fertilizer/ seed broadcaster for final year BSc Agricultural Engineering students.

January-November 1999 Supervised research projects by final year BSc. Agri. Engineering students-Biogas production & Alleviation of sub-soil compaction in agricultural soils (using a sub-soiler tool).

### **MEMBERSHIP OF PROFESSIONAL BODIES**

Member of Kenya Society of Agricultural Engineers

Associate Member of the Institution of Agricultural Engineers, United Kingdom

Member of Conservation Tillage Initiative Group in Kenya

Member of International Soil Tillage and Research Organization, Kenya Branch.

### **KEY RESEARCH PROJECTS**

Conservation Tillage Systems and their impacts on Soil properties and Crop growth.

### **RECENT PUBLICATIONS**

1. Nyaanga, D.M Kathiom; J.N.P and Wanjala, W.K Greenhouse Effect on Biogas production (published in an Indian Journal of Renewable Energy , 2003)
2. John N.P Kathiom, 2002. Farm Power and Machinery Requirements. (A Teaching Manual)
3. John N.P Kathiom, 2013. Power Systems and Machinery for Agriculture. (A Teaching Manual)
4. John N. P Kathiom, 2003. Design and construction of an electric lawn mower. (An innovation, but not patented).

### **RESEARCH INTERESTS**

Soil and Water Management (Conservation Tillage Systems)



### Carolyne Anaye Omukoko

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## EDUCATION

Ph.D. (Plant Health Science and Management) In progress

Master of Science, Horticulture

Bachelor of Science, Horticulture

## FIELD OF SPECIALIZATION

Lecturer of Horticulture and Plant Health Science and Management (Insect pathology)

## WORK EXPERIENCE

2016 June To date: Lecturer, Chuka University

2012 Nov-May 2016 Chuka University: Assistant Lecturer Plant Science department

2010 May-August Real IPM (K) Ltd. Trials Manager

1999 Nov-Jun 2005 Harmony Foods (K) Ltd. Senior Quality Controller

1998 Oct-1999 Nov Everest Enterprises Ltd. Raw Material Supervisor

## KEY RESEARCH PROJECTS

2015 To date: Endophytic activity and efficacy of *Beauveria bassiana* against Red spider mites in Tomato (ICIPE/ILRI)

2015 To date: Co-Investigator in "Effects of farmyard manure and harvesting frequency on insect pests, leaf yield, and longevity of kitchen garden kales" Project funded by Chuka University (KES 500,000)

2007 Sept-Dec 2008: Biological control of banana weevils using *Beauveria bassiana* (ICIPE)

## RECENT PUBLICATIONS

1. Omukoko, C.A., J.M. Wesonga, E.M. Kahangi, L.S. Wamoho and K.N. Maniania, Screen house Transmission of *Beauveria bassiana* from infected to non-infected Adults of Banana weevil, *Acta Hort.* 911, ISHS 2011:235-242
2. Omukoko C.A., Wesonga J.M., Maniania N.K., Kahangi E.M., Wamoho L.S., Screening of *Beauveria bassiana* isolates to the banana weevil and horizontal transmission under Laboratory , Journal of Agriculture Science and Technology *JAGST* Vol 3:2014
3. Omukoko C.A., Efficacy of *Beauveria bassiana* isolates to the Banana weevil and Horizontal transmission under laboratory conditions, *The African Students Journal* 2011: 1:85-91

4. Omukoko, C.A., J.M. Wesonga, E.M. Kahangi, L.S. Wamoho and K.N. Maniania, Virulence of three strains of *Beauveria bassiana* against the banana weevil *ARPN journal* Vol 9:10 2014
5. Omukoko C.A., Maniania N.K., Wesonga J.M., Kahangi E.M., Wamoho L.S., Pathogenicity of *Beauveria bassiana* isolates to the banana weevil. *Journal of Agriculture Science and Technology JAGST* Vol 2:2012

#### **RESEARCH INTERESTS**

Vegetable production and Insect Pathology (Entomopathogens)



## Geoffrey Kipruto Kosgei

**Designation:** Assistant Lecturer

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## EDUCATION

Ph.D. Agricultural Economics-In progress

Master of Science Agricultural and Applied Economics

Bachelor of Science in Agricultural Economics

## FIELD OF SPECIALIZATION

Lecturer – Production Economics

## WORK EXPERIENCE

Assistant-Lecturer

Agricultural Credit Officer-Equity Bank

## KEY RESEARCH PROJECTS

2016-2016: Value chain analysis of tissue culture banana

2010-2013: Economic analysis of dairy-crop integration in Elgeyo Marakwet County

## RECENT PUBLICATIONS

1. G. K. Kosgei, J. K. Lagat, M. C. Maina and P. M. Ngore. A comparison of the socio-economic characteristics of dairy-crop integrators versus non-integrators: A case study in Elgeyo-Marakwet County, Kenya. *Journal of Economics and Sustainable Development* ISSN 2222-1700 (Paper) ISSN 2222-2855 (Online) 4(19): 2013. <http://iiste.org/Journals/index.php/JEDS/article/view/9766>
2. J. K. Mutai, P. Mshenga, B. K. Njehia and G. K. Kosgei (2013). Socio-Economic Factors Influencing Farmers' Participation in Grain Warehouse Receipt System and the Extent of Participation in Nakuru District, Kenya. *Journal of Economics and Sustainable Development*, ISSN (Paper) 2222-1700 ISSN (Online) 2222-2855. <http://www.iiste.org/Journals/index.php/JEDS/article/view/9776>
3. Koech K. E., Kosgei K. G., Mutai, K. B., Kibet, K. L. Determinants of Market Facilitators Choice by Smallholder Farmers in Laikipia County, Kenya. *IOSR Journal of Agriculture and Veterinary Science* vol.8, January 2015. <http://iosrjournals.org/iosr-javs/papers/vol8-issue1/Version-1/O08117882.pdf>

## RESEARCH INTERESTS

Technology Adoption



### **Lucy Gatwiri M'Itunga**

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Email: l.gatwiri@yahoo.com

## **EDUCATION**

BSc in Horticulture, Egerton University

## **FIELD OF SPECIALIZATION**

Horticulture

## **WORK EXPERIENCE**

3<sup>rd</sup> Nov. 2014 to date: Senior Technologist, Plant Sciences Chuka University

3 years: Laboratory Technician: Meru University of Science and Technology

1 Year: Field Manager, AAA Growers-Thika

3 Years: Supervisor Sher Agencies-Naivasha

6 months: Assistant Supervisor Simbi Roses-Thika

## **RESEARCH INTERESTS**

Agricultural Biotechnology; Plant tissue culture

**Sioma Mulambula**

**Designation:** Technologist, Crop Protection

**Faculty of Agriculture and Environmental Sciences**

**Department** Plant Sciences - PLSC

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**EDUCATION**

BSc. in Agricultural Biosystems and Management (University of Kabianga)

Diploma in General Agriculture Sang'alo Institute of Science and Technology

Certificate in General Agriculture Western college of Arts and Applied Sciences

**FIELD OF SPECIALIZATION**

Agriculturalist

**WORK EXPERIENCE**

2014-To date Technologist (Chuka University)

2010-2014 Laboratory Assistant (University Of Kabianga)

1999-2010 Agricultural field supervisor (West Kenya Out growers Company Limited)

**KEY RESEARCH PROJECTS**

2015 to date Farmyard manure and harvesting frequency affect insect pests and leaf vegetable yield of kitchen Garden Kales.

**RESEARCH INTEREST**

Agronomy crop production

Dissemination of storey Garden farming to the community around Chuka University

Consultant in cane varieties in Kabras Sugar Scheme



### **David Chebutia Kemboi**

**Designation:** Assistant Lecturer/ COD, Animal Science

**Faculty:** Agriculture and Environmental Studies

**Department:** Animal Science

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**Email:** dkemboi@chuka.ac.ke/kemboidc@gmail.com

## **EDUCATION**

Ph.D. in Animal Science In progress

Master of Applied Microbiology (Virology)

Bachelor of Veterinary Medicine

## **FIELD OF SPECIALIZATION**

A Veterinary Surgeon with specialization in Microbiology

Assistant Lecturer of Microbiology

## **WORK EXPERIENCE**

2015 to date: Ag. COD/Assistant Lecturer, Dept of Animal Science, Chuka University

2014 to 2015: Assistant Lecturer, Department of Animal Health and Production, Mount Kenya University

2011 to 2014: Part time lecturer, Department of Animal Health and Production, Mount Kenya University

## **KEY RESEARCH PROJECTS**

2011 to 2013 Effect of parasite control on Newcastle disease vaccination immune response and productivity of village chicken in Mbeere District Kenya

2015 Sero-prevalence of Brucellosis in ruminants at slaughter houses and in unpasteurized hawked milk in Chuka town and their role in human transmission

## **RECENT PUBLICATIONS**

1. D. C. Kemboi, H.W.Chege, L.C. Bebora, N. Maingi<sup>1</sup>, P.N. Nyaga, P.G. Mbuthia, L.W. Njagi<sup>1</sup> and J.M. Githinji . Seasonal Newcastle disease antibody titre levels in village chickens of Mbeere District, Eastern Province, Kenya Livestock Research for Rural Development 25 (10) 2013.
2. H W Chege, D C Kemboi, L C Bebora, N Maingi, P N Nyaga, P G Mbuthia, L W Njagi and J Githinji. Chicken parasites and local treatments used against them in Mbeere District, Kenya. Livestock Research for Rural Development 26 (1) 2014
3. D. C. Kemboi, H.W.Chege, L.C. Bebora, N. Maingi, P.N. Nyaga, P.G. Mbuthia, L.W. Njagi<sup>1</sup> and J.M. Githinji. Effect of parasite control on immune response of Newcastle Disease vaccination and productivity, of village chicken, Mbeere District Livestock Research for Rural Development 26 (2) 2014
4. W. U. Mutinda, L. W. Njagi, P. N. Nyaga, L. C. Bebora, P. G. Mbuthia, D. Kemboi, J. W. K. Githinji, and A. Muriuki. Isolation of Infectious Bursal Disease

Virus Using Indigenous Chicken Embryos in Kenya. International Scholarly Research Notices Volume 2015 (2015), Article ID 464376, 7 pages.<http://dx.doi.org/10.1155/2015/464376>

## **RESEARCH INTERESTS**

Veterinary Virology and immunology, Poultry production and health, Vaccinology, Brucellosis



### **Dr. Onesmus Munene Nderi**

**Designation:** Assistant Lecturer

**Faculty:** Agriculture and Environmental Studies

**Department:** Animal Sciences

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## **EDUCATION**

Master of Science in Animal Nutrition

Bachelor of Veterinary Medicine

## **FIELD OF SPECIALIZATION**

Animal Nutritionist

## **WORK EXPERIENCE**

December 2015-Present Assistant Lecturer, Chuka University

July 2009-December 2015 Senior Technologist, Chuka University

February 2006-July 2009 Part-time Lecturer, Eastern Campus College, Chuka

October 2004-August 2009 Veterinary Officer, Kenya Veterinary Association/Government of Kenya joint Projects

## **KEY RESEARCH PROJECTS**

2014-2015 Effects of Natural Licks in Lactating Dairy Goat Ration in Tharaka-Nithi County, Kenya

## **RECENT PUBLICATIONS**

1. Musalia, L. M, Odilla, G. A., Nderi, O. M., Muleke, V. (2016). Current Status of Fodder Production, Conservation and Marketing in the arid and semi-arid lands of Tharaka-Nithi County, Kenya. *African journal of Agricultural Research.* 11(26) 2337-2347.
2. Nderi, O. M., Musalia, L. M. & Ombaka, O. (2015). Effects of Natural Licks on Feed Intake, Nutrient Digestibility; Milk Production and Quality in Kenya Alpine Dairy Goat Ration. *International Journal of Agricultural Sciences and Veterinary Medicine-IJASVM.* 3(4)65-75.
3. Nderi, O. M., Musalia, L. M. & Ombaka, O. (2015). Determination of Essential Minerals and Toxic Elements Composition of the Natural Licks Consumed by Livestock in Tharaka-Nithi County, Kenya. *IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS).* 8(10)54-62.
4. Njoka, E. N., Ombaka O., Gichumbi J. M., Kibaara D. I. and Nderi, O. M. (2015). Characterization of clays from Tharaka Nithi-County in Kenya for industrial and agricultural applications. *African Journal of Environmental Science and Technology.* 9(3)228-243.

5. Nderi, O. M., Musalia, L. M. & Ombaka, O. (2014). Livestock farmer's perceptions on the relevance of natural licks in Igambangombe Division, Tharaka-Nithi County, Kenya. *IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)*. 7(5)52-59.

## **RESEARCH INTERESTS**

Utilization of indigenous feed resources as alternative feed ingredients for enhanced livestock productivity and improved rural livelihoods in developing countries



### **Dr. Roseline Kafedha Kahindi**

Designation: Lecturer

Faculty: Agriculture and Environmental Sciences

Department: Animal Science

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## **EDUCATION**

PhD Animal Science

Master of Science Animal Production (Nutrition option)

BSc Animal Production

## **FIELD OF SPECIALIZATION**

Animal Nutrition

## **WORK EXPERIENCE**

January 2016 to date: Lecturer, Chuka University

2007-2010: Livestock Officer at Coast Development Authority,

2006 to 2009: Director to the Board of Kilifi Water and Sewerage Company.

## **KEY RESEARCH PROJECTS**

2011-2015 Assessment of Standardized Ileal Digestible Lysine and Sulfur Amino Acids to Lysine Ratio for Weaned Piglets Fed Antibiotic-Free Diets

2003-2005 Utilization of Madras Thorn, Leucaena and Gliricidia as Protein Supplements for Growing Goat in the Coastal Lowland, Kenya

## **RECENT PUBLICATIONS**

1. Kahindi, R. K. Htoo, J. K. and Nyachoti C. M. 2016. Dietary lysine requirement for 7-16 kg pigs fed wheat-corn-soybean meal based diets. *Journal of Animal Physiology and Animal Nutrition DOI: 10.1111/jpn.1249.*
2. Kahindi, R. K., Thacker P. A., Lee, S.I., Kim, I.H. and Nyachoti, C. M. 2016. Performance and phosphorus utilization of broiler chickens fed low phytate barley and pea based diets with graded levels of inorganic phosphorus. *Annals of Animal Science DOI: 10.1515/aoas-2016-0023.*
3. Kahindi, R. K., Thacker, P. A. and Nyachoti, C. M. 2015. Nutrient digestibility in diets containing low-phytate barley, low-phytate field pea and normal phytate field pea, and the effects of microbial phytase on energy and nutrient digestibility in the low and normal-phytate field pea fed to pigs. *Animal Feed Science and Technology Journal 203:79-87.*
4. Heo, J. M., Kiarie, E., Kahindi, R. K., Maiti, P., Woyengo T. A., and Nyachoti C. M. 2015. Ileal amino acid digestibility in egg from hyper immunized-hens fed to

- weaned pigs and piglet response to diets contain egg products. *Animal Feed Science and Technology Journal* 204:52-61.
5. Kahindi, R. K. Htoo, J. K. and Nyachoti, C. M. 2014. Growth performance of weaned pigs fed antibiotic-free diets with graded lysine content in unsanitary conditions. *Canadian Journal of Animal Science* 94:115-118
  6. Kahindi, R. K., Woyengo, T. A., Thacker P. A. and Nyachoti, C. M. 2014. Energy and amino acid digestibility of camelina meal fed to growing pigs. *Animal Feed Science and Technology Journal* 193:93-101.
  7. Saha, H. M., Kahindi, R. K. and Muinga, R.W. 2008. Evaluation of manure from goats fed Panicum basal diet and supplemented with Madras thorn, Leucaena or Gliricidia. *Tropical and Subtropical Agroecosystems*, 251-257.
  8. Kahindi, R. K., Abdulrazak, S. A., Muinga, R.W. 2007. Effect of supplementing Napier grass with Madras thorn (*Pithecellobiumdulce*) on intake, digestibility and live weight gains of growing goats. *Small Ruminant Research* 69:83-87.

#### **POSTGRADUATE STUDENTS SUPERVISED**

Onesmus Munene Nderi, PhD, Animal Science - Ongoing

Erastus Mwiti Mutegi MSc - Ongoing

Johnson Gachugia MSc - Ongoing

#### **RESEARCH INTEREST**

Use of non-feed additives feed ingredients in the manipulation of livestock performance



### **Charles Mbogo Kariuki**

Designation: Lecturer

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Department: Animal Science

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## **EDUCATION**

Ph.D. Animal Breeding (on-going)

Master of Science Animal Production (Breeding Option)

B.Sc. Animal Production

## **FIELD OF SPECIALIZATION**

Animal Breeder

## **WORK EXPERIENCE**

2013-to date: Assistant Lecturer, Chuka University

2010-2013: Lecturer, Chuka University

## **KEY RESEARCH PROJECTS**

2012-2016 NICHE/KEN/147. Build capacity to deliver competent graduates for enhanced competitiveness in the dairy value chain – Capacity for competitiveness in the dairy value chain in Kenya (C4C-DVC).

## **RECENT PUBLICATIONS**

1. Kariuki, C.M., Brascamp, E.W., Komen, H., Kahi, A.K. & van Arendonk, J.A.M. 2017. Economic evaluation of progeny-testing and genomic selection schemes for small-sized nucleus dairy cattle breeding programs in developing countries. *J. Dairy Sci.* In press. <https://doi.org/10.3168/jds.2016-11816>
2. Kariuki, C.M., Komen, H., Kahi, A.K., & van Arendonk, J.A.M. 2014. Optimizing the design of small-sized nucleus breeding programs for dairy cattle with minimal performance recording. *J. Dairy Sci.* 97:7963-7974
3. Kariuki, C.M., van Arendonk, J.A.M., Kahi, A.K & Komen, H. 2016. Defining consensus desired gains for a Kenyan Holstein-Friesian breeding goal. Proceedings of the 67<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP), Waterfront Conference Centre, Belfast, UK, 29<sup>th</sup> August-2<sup>nd</sup> September, 2016. (Oral).
4. Kariuki, C.M., Brascamp, E.W., Komen, H., Kahi, A.K. & van Arendonk, J.A.M. 2016. Economic evaluation of alternative selection strategies for small-sized nucleus dairy cattle breeding programs. Proceedings of the Animal Production Society of Kenya, Kisumu Hotel, Kisumu, 27<sup>th</sup>-29<sup>th</sup> April, 2016 (Oral)

## **RESEARCH INTERESTS**

Design of breeding programs and genetic diversity  
Genomic selection  
Economics of livestock production  
Indigenous African livestock genotypes



### James Muita Kinyua

**Designation:** Assistant Lecturer

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## EDUCATION

PhD Candidate (Animal Nutrition)

Master of Science (Animal Nutrition)

B.Sc. in Livestock Production

**FIELD OF SPECIALIZATION:** Livestock Nutritionist

## WORK EXPERIENCE

Assistance Lecturer/Research Officer in Animal Nutrition

## KEY RESEARCH PROJECTS

2014-16 Performance of Lactating Kenya Alpine and Toggenburg Goats fed on Sweet potato vines fortified with Processed Soybean Meal

2010-2013 Assessment of Sweet Potato Cultivars as Protein and Energy Feed Supplements in the Kenyan Highlands

## RECENT PUBLICATIONS

1. J. Kinyua, J. (2016). Evaluation of artificial insemination services performance in a smallholder dairy herd under extensive management: A case study of KALRO-Lanet herd, Kenya. *Weber Agricultural Research & Management* 2(2) 692-694
2. Kinyua, J. (2016) Effects of Culturing Raw milk using Informal Procedures on Quality, Consumer Preference and Gross Margin of Mala in Nakuru County, Kenya. *Weber Agricultural Research & Management* 2(2) 695-698.
3. Kinyua, J., Musalia, L., Migwi, P., Gachurii, C., Lukuyu, B., Agili, S., Muriithi, G. 2015. Determining availability of nutrients in sweetpotato grown in the Kenyan highlands using *in sacco* degradability and *in vitro* digestibility. In: *Potato and sweetpotato in Africa: Transforming the value chains for food and nutrition security.* ISBN 9781780644202. pp 586

## RESEARCH INTERESTS

Animal Nutrition



### **Dr. Mary Gichure**

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## **EDUCATION**

PhD On-going (Veterinary Epidemiology and Economics)

Veterinary Epidemiology and Economics

Bachelor of Veterinary Medicine

## **FIELD OF SPECIALIZATION**

Lecturer of Animal Science

## **WORK EXPERIENCE**

Assistance Lecturer

## **KEY RESEARCH PROJECTS**

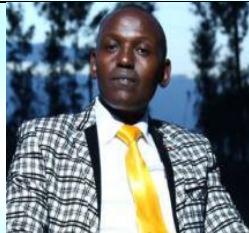
2012 Sero-prevalence of gastrointestinal helminthes in working donkeys in Kenya

## **RECENT PUBLICATIONS**

1. Gichure, M.N., Kitala, P., Munene, J.N., Kihurani, D.K., Mande, J.D. 2011. Sero-prevalence of African Horse Sickness in donkeys in Kiambu District Kenya. *Kenyan Veterinarian Journal*. Vol 2 (11-14)
2. Gichure, M.N., Ochieng, L., L. Mwirigi, L., Kinyanjui, G., Upjohn, M., Fowler, V. 2012. Coprological prevalence of helminths in working donkeys and their relation to selected animal based indicators in three KENDAT operation areas, Kenya. Universities Federation for Animal Welfare Conference Proceedings.

## **RESEARCH INTERESTS**

1. Productivity of working animals in Kenya
2. Alternatives of animal nutrition in the changing environmental conditions in Kenya
3. Internal effects of diseases and deficiencies of common diseases in animals
4. Dissemination of information to farmer groups about animal Health.



### **Antony Kimathi Karagita**

**Designation:** Technologist

**Faculty:** of Agriculture and Environmental Studies

**Department:** Animal Science

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## **EDUCATION**

BSc in Agriculture (continuing)

Diploma in Horticulture, Egerton University

## **FIELD OF SPECIALIZATION**

Horticulture

## **WORK EXPERIENCE**

2014-date: Technologist in Horticulture, Chuka University

2011-2014 Crops and Agribusiness Officer, Fafi Sub-county

2010-2011 Biology/Agriculture teacher; Ikuu Boys

## **KEY RESEARCH PROJECTS**

2006-Propagation of Butterfly bush ornamental using different cutting sources (softwood, semi hardwood and hardwood)

Participation in climate change agenda through ASDSP

**Amiani N. Musungu**

**Designation:** Srn Technologist

**Faculty:** of Agriculture and Environmental Studies

**Department:** Animal Science

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**EDUCATION**

B.Sc. (Biotechnology), Masinde Muliro University of Science and Technology  
Higher National Diploma in Biotechnology, Kenya Polytechnic University College  
Diploma Medical Lab., Mombasa Polytechnic University College  
Certificate in Animal Health, AHITI Kabete

**FIELD OF SPECIALIZATION**

Laboratory Technologist

**WORK EXPERIENCE**

3<sup>rd</sup> November 2014 to date: Senior technologist, Animal Health, Chuka University  
3 Years: Senior Veterinary Laboratory Technologist Ministry of Agriculture and Livestock Development

**RESEARCH INTERESTS**

Animal Biotechnology and Microbiology

**Martin Mutembei Ntika**

**Designation:** Snr Technologist

**Faculty:** of Agriculture and Environmental Studies

**Department:** Animal Science

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**EDUCATION**

Higher National Diploma in Biotechnology, Kenya Polytechnic University College  
Diploma in Applied Biology, Kenya Polytechnic University College

**FIELD OF SPECIALIZATION**

Laboratory Technologist

**WORK EXPERIENCE**

3<sup>rd</sup> November 2014 to date: Senior technologist, Animal Nutrition, Chuka University

3 years: Laboratory Technician, Meru University of Science and Technology

4 Months: Biomedical technician D.R.E.A.M Kenya Trust: 4 Months

**RESEARCH INTERESTS**

Agricultural Biotechnology

Microbiology

**Mary Murugi Mbuba**

**Designation:** Technician-Animal Health

**Faculty:** of Agriculture and Environmental Studies

**Department:** Animal Science

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**EDUCATION**

Certificate in Animal Health A.H.IT.I

Certificate in Artificial Insemination A.H.IT.I

**FIELD OF SPECIALIZATION**

Animal Health

**WORK EXPERIENCE**

6<sup>th</sup> June 2010 to date: Technician, Chuka University

Private Practitioner: 10 years, Animal Health

**RESEARCH INTERESTS**

Agricultural Biotechnology

Community based artificial insemination services to the community

**Shadrack Kiriinya Gikunda**

**Designation:** Senior Technologist

**Faculty:** of Agriculture and Environmental Studies

**Department:** Animal Science

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**EDUCATION**

Master of Science in Animal Nutrition (On going)

B.Sc. in Animal Production

**FIELD OF SPECIALIZATION**

Senior Animal health and production technologist

**WORK EXPERIENCE**

2009-Present: Senior Technologist, Chuka University

2006-2009: Part-time Lecturer, Chuka University

1997-2006: Manager, Feed Processing Plant

1983-1997: Livestock Production Officer, Ministry of Livestock Development

**KEY RESEARCH PROJECTS**

2015 Milk production in dairy cattle fed with sorghum grain as a replacement of maize grain in concentrate mixture

**RESEARCH INTERESTS**

Ruminant Nutrition



### Dr. Lemmy Mureti Muriuki

**Designation:** Lecturer/ Chairman of Department

**Faculty of Agriculture and Environmental Studies**

**Department:** Environmental Studies and Resources Dev't

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## EDUCATION

Ph.D. in Tourism Management, Chuka University

Master of Tourism Management, Moi University

Bachelor of Tourism Management, Moi University

## FIELD OF SPECIALIZATION

Tourism Management

Lecturer, Tourism Management

## WORK EXPERIENCE

2014-2017: Chair, Department of Environmental Studies & Resources Development

2009-2014: Examinations Officer, DERT

## KEY RESEARCH PROJECTS

2015-2017: Biochemical Effects of Municipal Solid Waste, Quantification, Utilization and Energy Generation Prospects in Mt. Kenya Region

2017: Integration of Solar Powered and Plasma Enhanced Gasification System on Municipal Solid Waste Processing and Energy Generation in Mt. Kenya Region

## RECENT PUBLICATIONS

1. Muriuki, L.M., Bururia, D., Mutegi, J.K. (2016). Determinants of religious tourism branding tactics in Kenya: A cross sectional study. *SAGE-Tourism and Hospitality Research*. DOI: 10.1177/1467358416670937.
2. Muriuki, L., Mutegi, J. (2016). Pricing Strategies for Domestic Tourism Marketing in Central Kenya Region: *Journal of Environmental Sustainability Advancement Research*.

## POSTGRADUATE STUDENTS SUPERVISED

SN	Name	Thesis Title	Year in	Status
1	Keziah Wang'ondu	Contribution of Event Tourism to Rural Community Economic Benefits in Isiolo North Constituency, Kenya	2012	Submitted 2016
2	Juliet Muthoni	Impacts of Rural Tourism Development on Tourists' Numbers, Average Stays and Expenditures in Tharaka Nithi County, Kenya	2012	Submitted 2016

3.	Benard Rajwais	Effect of Cultural Tourism Products, Facilities Development and Marketing Strategies in Enhancing Social Economic Benefits in Nyeri Municipality, Kenya	2012	Submitted 2016
4.	Gilbert Kigige	Impact of Sewerage Discharge on River Water Quality in Maua Town, Meru County, Kenya	2013	Continuing, thesis write up
5	Scolastica Nzomo	Effect of Integrated Rural Tourism Planning on Communities Livelihoods and Resources Vitality in Makueni County	2015	Continuing, data collection
6	Debora Kangai	Contribution of Ecotourism Product Development on Tourism Visitation Patterns in Tharaka Nithi County	2015	Continuing, data collection

### **RESEARCH INTEREST**

Alternative tourism development (planning and product development)

Religious tourism planning

Tourism marketing (consumer behavior)

Tourism Impacts - developing countries

Pollution Research (Municipal Solid Waste, Waste Water Treatment)

Heritage and cultural tourism



### Jafford Njeru Rithaa

**Designation:** Lecturer & Coordinator University Farms

**Faculty of Agriculture and Environmental Studies**

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**Email:** jnrithaa@chuka.ac.ke OR rithaa.jn@gmail.com

## EDUCATION

Ph.D. in Environmental Science (Continuing)

Master of Science in Natural Resources Management

Bachelor of Science in Natural Resources Management

## FIELD OF SPECIALIZATION

Natural Resources Management; forestry and Agroforestry; Lecturer in Natural Resource Management, Ecology and Economics

## WORK EXPERIENCE

November 2014 to Date: Coordinator, University Farms

June 2016 to Date: Lecturer

June 2012-June 2016: Assistant Lecturer

June 2009-June 2012: Senior Administrative Assistant

2007-June 2009: Volunteer

## KEY RESEARCH PROJECTS

2015: Participatory Scenario planning survey for OND season

2014: Effect of biomass, vegetation diversity and soil characteristics on potential wildlife use of Kairini Farm, Chuka University

2009: Ecological characteristics of *Myrianthus hostii*, *Dovyalis abyssinica*, *Tamarindus indica*, *Vitax payos*, *Celtis gomphophylla*, *Rhus natalensis* and *Berchemia discolor*

## RECENT PUBLICATIONS

1. Kiambi G.M., Abdillahi A.A., Rithaa J.N. (2015). Assessing the influence of knowledge of type and numbers of livestock exchange in stock friends' concept as a strategy in poverty alleviation; case of Ngomeni Community of Mwingi District in Kenya. IJEST 07: 2847-2854
2. Rithaa J.N., Karachi M. and Aheda J. (2010). Effects of Seed Maturity Stage, Dormancy, Desiccation and Storage Temperature on Germination and Viability of *Myrianthus hostii* Engl. Seeds. Eger. J. Sci. Technol. 10:11-20
3. Rithaa J.N., Karachi M. and Aheda J. (2010). Ecological characteristics of *Myrianthus hostii*, *Dovyalis abyssinica*, *Tamarindus indica*, *Vitax payos*, *Celtis*

*gomphophylla*, *Rhus natalensis* and *Berchemia discolor* seeds. International Journal of Professional Studies (2010).

### **RESEARCH INTERESTS**

Natural resources conservations; sustainable utilization and management  
Climate change dynamics and implications



### **David Mugambi Mbuba**

**Designation:** Assistant Lecturer, Chuka University  
**Faculty:** Agriculture and Environmental Resource Development

**Department:** Environmental Studies and Resource Development

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**Email:** mugambis@yahoo.com

## **EDUCATION**

M.Sc. in Agroforestry and Rural Development (Kenyatta University)

M.Sc. in Natural Resource Mgt (Norwegian University of Science and Technology)

B.Sc. in Environmental Science

## **FIELD OF SPECIALISATION:**

Natural Resources Management/Environmental science specialists

## **WORK EXPERIENCE /EXTERNAL EXAMINATION**

Jan 2016 to date: Assistant Lecturer, Natural Resources Mgt, Chuka University

Jan 2014 to Dec 2015: Eastern Regional Coordinator: Natural Resources Management and Climate Change with Grassroots Development Initiatives Foundation - Kenya

May 2013 to June 2014: Consultancy services: Monitoring and Evaluation of Community Driven Development (CDD) Grants/ Projects on behalf of Lake Victoria Environmental Management Project Phase II, Kericho County, Rift valley

Dec 2009 to May 2010: Consultancy services: Monitoring of Community Based Livelihood and conservation projects on behalf of Mount Kenya East Pilot Project on Natural Resource Management / Ministry of Water and Irrigation in Meru and Imenti south District

## **RECENT SELECTED PUBLICATIONS:**

1. Mbuba D.M & Mburu J. 2013. Estimation of the Tourism Benefits of Kakamega Forest, Kenya: A Travel Cost Approach. *Environment and Natural Resources Research*; 3(1)62-67
2. Mbuba. D.M. 2012. Participatory Forest Management and Community Livelihoods; The Case of ArabukoSokokeForest in Kenya. LAP LAMBERT Academic Publishing, Germany. ISBN 9783848429226

## **RESEARCH INTERESTS**

Natural resources mgt and conservation (Livelihood strategies, governance and policy), Landscape mgt; Natural resource conflicts and climate change



### **Virginia Kavuu Muia**

**Designation:** Assistant Lecturer

**Faculty:** Agriculture and Environmental Studies

**Department:** Environmental Studies and Resource Development

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## **EDUCATION**

Master of Environmental Science, Kenyatta University

B.Sc. in Environmental Science, Kenyatta University

## **FIELD OF SPECIALIZATION**

Environmental Scientist

## **WORK EXPERIENCE**

2015-date; Assistant Lecturer, Chuka University

2013-2015: Parttime Lecturer, Kenyatta University, and Mount Kenya University

## **KEY RESEARCH PROJECTS**

2013 The impact of human activities on land degradation in Kasikeu Division, Makueni District, Kenya

## **RECENT SELECTED PUBLICATIONS**

Muia V. K. and Ndunda E. (2013). Evaluating the impact of direct anthropogenic activities on land degradation in arid and semi-arid regions in Kenya. Wudpecker Journal of Agricultural Research. 2(6):173-182.

## **RESEARCH INTERESTS**

Climate change and global warming

Water and sanitation

Solid and liquid waste management

Natural resources management



### Bernard Cheruiyot Soi

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**Faculty** of Agriculture and Environmental Studies

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## EDUCATION

Master of Philosophy in Wildlife Management, Moi University

B.Sc. in Wildlife Management, Moi University

## FIELD OF SPECIALIZATION

Lecturer, Wildlife Ecology and Management, Chuka University

## WORK EXPERIENCE

November 2012 to date: Assistant Lecturer

## KEY RESEARCH PROJECTS

2007-2008: Bird-habitat relationships in south coast forests of Kenya

## RECENT PUBLICATIONS

1. Soi, B.C., Kairu, J.K., Githiru, M. 2012. Bird-habitat Relationships in South Coast Forests of Kenya: East African Coast Biome Bird Abundance, Distribution and Habitat Relationship in Five South Coast Forest Fragments. Lambert Academic Publishing. ISBN-10: 3659257613; ISBN-13: 978-3659257612.
2. Kigen C., Okoth P., Konje M., Shivoga W., Ochiemo D., Wanjala S., Agevi H., Onyando Z., Soi B., Kisoyan P. and Makindi S. 2013. Modeling the Spatial Impact of Climate Change on Grevy's Zebra (*Equusgrevyi*) niche in Kenya. *Elixir International Journal; Remote Sensing* 62: 17608-17611.
3. Kigen C.K., Ochiemo D.M.W., Muoma J.O., Shivoga W.A., Konje M., Onyando Z., Soi B.C., Makindi S.M., Kisoyan P.M., and Mironga J.M. 2014. Spatial Modeling of Sorghum (*Sorghum bicolor*) growing areas in Kenyan Arid and Semi-Arid Lands. In Zeinabu et al. (Eds) (2014). Sustainable Land Management in Dry Lands of Kenya: Improving Land Productivity through Participatory Research and Technology Transfer. Chapter 9:129-138. UNDP Nairobi, Kenya

## RESEARCH INTEREST

Avian ecology and conservation

Human dimensions in wildlife management and conservation



### Moses Kathuri Njeru

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## EDUCATION

Ph.D. Environmental Science: Ongoing

Master of Arts in Environmental Planning & Management

B.Sc. in Environmental Science

## FIELD OF SPECIALIZATION

Environmental Studies

## WORK EXPERIENCE

May 2012-to date: Assistant Lecturer, Environmental Sciences

May 2013 to Nov 2016: Coordinator, Chuka University Embu Campus

Sept 2009 to April 2012: SAA, Graduate School, Chuka University

Feb 2007 to Aug 2009: Extension Officer, Embu County

June 2005 to Jan 2007: Tutor, Kenya Institute of Organic Farming

## RECENT PUBLICATIONS

1. Njeru, M. K (2016). Factors influencing adoption of organic farming among farmers in Nembure Division, Embu County, Kenya. *American International Journal of Contemporary Research Vol. 6 No. 4; August 2016*
2. Njeru, M. K. (2015). Challenges and benefits of organic farming among farmers in Nembure Division, Embu County. *International Journal of Humanities and Social Science Vol. 5, No. 12*
3. Karanja S. N, Mwangi S. W, Kibet N., Njeru M. K. (2013). Influence of informal solid waste management on livelihoods of urban solid waste collectors: A case study of Nakuru Municipality, Kenya. *International Journal of Humanities and Social Science, Vol 3. No.13*
4. Karanja S. N, Kibet K., Njeru, M. K & Mwenda E.E (2013). Rethinking the street children phenomena: An evaluation of losses gains and anticipation, the case of Nakuru Municipality, Kenya. *American International Journal of Contemporary Research Vol. 3 No. 1; January 2013*

## RESEARCH INTEREST

Inter - Phase of Agriculture and Environment

Environmental Conservation



### **Annette Mukami Njue**

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## **EDUCATION**

Ph.D. Environmental Science: Ongoing

Master of Environmental Science

B.Sc. in Natural Resources Management

## **FIELD OF SPECIALIZATION**

Lecturer in Environmental Science

## **WORK EXPERIENCE**

2016 - to date Assistant Lecturer, Environmental Sciences

Part time assistant lecturer

## **KEY RESEARCH PROJECTS**

Effects of pesticides on crops growth and soil ecological properties

Effects of periodic flooding on soil biochemical properties

Climate change adaptive capacity of Institutions in Kenya

## **RECENT PUBLICATIONS**

Mungai, N. W., **Njue A. M.**, Abaya S. G., Vuai S. A. H. and Ibembe J. D. Periodic flooding and land use effects on soil properties in Lake Victoria basin in African Journal of Agricultural Research 6(19):4613-4623, 19 September, 2011.

## **RESEARCH INTEREST**

Environmental Microbiology

Mitigation and Adaptation Strategies to Environmental Changes



### **Jedidah Wanjiku Kiharason**

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## **EDUCATION**

Ph.D. in Food Science (On-going Chuka University)

Master of Science (Applied Human Nutrition University of Nairobi)

B.Sc. in Foods, Nutrition and Dietetics (Kenyatta University)

## **FIELD OF SPECIALIZATION**

Food Scientist and Human Nutritionist

## **WORK EXPERIENCE**

2016: Assistant Lecturer

## **KEY RESEARCH PROJECTS**

2014-2017: Diversification of processing and utilisation of multi-purpose pumpkin (*Cucurbita Moschata* Duchesne) in Kenya

## **RECENT PUBLICATIONS**

1. Kiharason, J. W. Isutsa, D. K. and Ngoda, P. N. 2017. Effect of drying method on nutrient integrity of selected components of pumpkin (*Cucurbita moschata* Duch.) fruit flour. *Journal of Agricultural and Biological Sciences*, 12: 110-116.
2. Kiharason, J. W., Isutsa, D. K. and Ngoda, P. N. 2017. Evaluation of sensory acceptability of bakery products prepared from wheat and pumpkin composite flour. *International Journal of Science and Nature*. 8[1]: 1-7.
3. Kiharason, J. W., Isutsa, D. K. and Ngoda, P. N. 2017. Nutritive value of bakery products prepared from wheat and pumpkin composite flour. *Global Journal of Bio-science and Biotechnology*, 6[1]: 96-102.
4. Kiharason, J.W., Isutsa, D.K. and Ngoda, P.N. 2015. Contribution of Multi-Purpose Pumpkin (*Cucurbita moschata* Duch.) to the Economy of Selected Kenyan Small-scale Households. *J. Env. Sust. Adv. Res.* 1:8-14.
5. Kiharason, J.W., Isutsa, D.K. 2014. Potential of Orange-Fleshed Sweet Potato in increasing Vitamin A Dietary Intake in Up to 60-Month-Old Children in Laikipia, Kenya. *J. Chem. Bio. Phy. Sci. Sec. B*. 4 (2):1188-1195.

## **RESEARCH INTEREST**

Promoting food and nutrition security by promoting and developing healthy foods



### Brian Rotich Kanyongi

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## EDUCATION

Master of Science in Environmental Science

B.Sc. in Natural Resources Management

Certificate Limnology and Wetlands Management

## FIELD OF SPECIALIZATION

Lecturer, Environmental Science

## WORK EXPERIENCE

2014-2015: Research Assistant, Center for International Forestry Research (CIFOR)

2011-2012 Research Assistant, National Taxpayers Association,

## RECENT PUBLICATIONS

1. Rotich, B., Mwangi, E. & Lawry, S. (2016). *Where land meets the sea: A global review of the governance and tenure dimensions of coastal mangrove forests*. Bogor, Indonesia: CIFOR; Washington, DC: USAID Tenure and Global Climate Change
2. Rotich B., Makindi S. M., & Esilaba M. O. (2014). *Sengwer Community and their Dependency on Kapolet Forest Resources of Cherangani Hills, Kenya* Journal of Environment Natural Resources Management and Society (JENRS): 76-85, 2014 ISSN: 2079-8237

## RESEARCH INTEREST

Water and sanitation, Environmental Governance, Community-Based Conservation, Indigenous Knowledge



**Daniel Ngochi Kinyanjui**

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## **EDUCATION**

Ph.D. in Tourism Management Continuing student – Moi University

Master of Tourism Management Moi University

B. Ed (Economics & Geographhy) Egerton University

## **FIELD OF SPECIALIZATION**

**Lecturer-Tourism Management**

## **WORK EXPERIENCE**

2012 to date: Lecturer (Chuka University)

2011-2012: Part-time Lecturer (Maasai Mara University)

## **RECENT PUBLICATIONS**

1. Kariuki J.M. & Kinyanjui D.N. Household Solid Waste Generation and Composition in Njoro Division, Nakuru County, Kenya, *Journal of Scientific Research & Reports 10(7): XX-XX, 2016; Article no.JSRR.26051 ISSN: 2320-0227 SCIENCE DOMAIN international www.sciedomain.org*
2. Kinyanjui, D.N., Kieti, D. Ipara, H. and Kariuki, J.M. (2015). Adapting to Climate Change: Evaluating the Implementation of Water Resource Management Strategies in Hotels within Lake Naivasha Environs (pp 101-109) in Isutsa, D.K. *Proceedings of the First Internation Research Conference held in Chuka University, 29th to 31st, 2014, Chuka, Kenya, 500 pp.*

## **RESEARCH INTEREST**

Sustainability in tourism development

Entrepreneurship in Tourism

The Geography and economics of Tourism



### **Lucy Kirigo Mureu**

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## **EDUCATION**

Ph.D. in Climate Change and Adaptation (On going)

Master of Philosophy in Wildlife Management

B.Sc in Wildlife Management

Advanced Certificate in Marketing Management

## **FIELD OF SPECIALIZATION**

Lecturer, Wildlife Ecologist

## **WORK EXPERIENCE**

2012-Date: Lecturer

2011-2015: Chair, Department of Environmental Studies and Resource Development

July 2010 to October 2012: Assistant Lecturer

July 2007-April 2010: Teaching assistant, Moi University.

## **KEY RESEARCH PROJECTS**

1. 2017 PhD Research: Influence of Fire Mediated Vegetation Changes of Above Ground Biomass Carbon in Mount Kenya Forest Ecosystem
2. 2008 to date: Team leader and later Co-PI: Kenya's Black Rhino and habitat monitoring Project (Ol Pejeta Conservancy)
3. March 2010 African fellow: Participated in a 2-week Earth watch expedition on "Samburu communities; medicinal plants project".
4. May 2009-August 2009: Research assistant, Environmental Impact Assessment of the Lewa Safaricom Marathon
5. 2008 Field assistant: Kilitome/Osupuko Community Conservancy wildlife and habitat monitoring programme (AWF) (1 month, Kimana Group Ranch, Loitokitok
6. 2008 Field assistant: Keno Community Conservancy wildlife and habitat monitoring programme and management plan development (AWF) (6 months, Mathews Ranges,)
7. 2007 Field assistant: Design, training, and implementation of "Naibung'a Conservancy Wildlife and Habitat Monitoring Programme" (African Wildlife Foundation (3 months).
8. 2007 MPhil Research: Frugivory by Sykes monkeys (*Cercopithecus mitis albogularis*) at Gede forest, Kenya: implications for forest regeneration

9. 2006 Field assistant: The status of human Wildlife Conflict in Kenya: novel technologies toward mitigation and management of conflict. (3 months). Funded by IFAW
10. 2006 Field assistant: Non-renewable resources utilization in Samburu and Laikipia: Wildlife and livestock population status, distribution and trends in Samburu and Laikipia Districts. Dry land Livestock and Wildlife Environmental Interphase Project (DLWEIP funded by African Union Bureau for Animal Resources-AU-IBAR) (1 month,

## **RECENT PUBLICATIONS**

1. Kiremu, M.K., Mureu L. K., Mutegi, J.K. & Wahungu, G.M. (2014). Enhancing sustainable land management in Kenya through policy and financing. In: Z. Khalif, C.K. Gachene, P. Gicheru, D.M. Mburu and C.G. Gakahu (Eds.). Sustainable Land Management in Drylands of Kenya: Improving land productivity through participatory research and technology transfer, p. 198-205. Nairobi, Kenya: United Nations Development Programme. ISBN 9789966180551.
2. Wahungu, G.M., Gichohi N., Onyango, I.A., Mureu, L.K., Kamaru, D., Mutisya, S., Mulama, M., Kimuyu, D.M. & Makau, J. 2012. Encroachment of open grasslands and *Acacia drepanolobium* Harms ex B.Y.Sjöstedt habitats by *Euclea divinorum* Hiern in Ol Pejeta Conservancy, Kenya. *Afr. J. Ecol.* 51:130-138
3. Wahungu G. M., Mureu L. K., Kimuyu D. M., Birkett A., Macharia P.G., and Burton J (2011) Survival, recruitment and dynamics of *Acacia drepanolobium* Sjøstedt seedlings at Olpejeta Conservancy, Kenya, between 1999 and 2009. *Afr. J. Ecol.*, 49; 227–233.
4. Wahungu G. M., Mureu L. K. and Macharia P. G (2009) Variability in survival and mortality of *Acacia drepanolobium* Sjøstedt following prescribed burning at Olpejeta conservancy, Kenya. *Afr. J. Ecol.*, 48; 744–750.
5. Wahungu G. M., Mureithi S., Wato Y., Mureu L. K. and Karanja G. G (2009) Seedling Survival in *Manilkara butugi* Chiov. (Milkberry) Along a Dispersal Gradient in Kakamega Forest, Kenya. *Afr. J. Ecol.*, 48; 783-790

## **RESEARCH INTEREST**

Climate Change and Natural Resources, Environmental Education and Policy, Primate Ecology and Behaviour, Animal-Plant Interactions, Human-Wildlife Interactions.



### **David Mwenda Nyaga**

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## **EDUCATION**

Master of Science in Environmental Sciences

B.Sc. in Natural Resources Management

## **FIELD OF SPECIALIZATION**

Environmentalist

Lecturer of Natural Resources Management

## **WORK EXPERIENCE**

2015-date: Assistant Lecturer

2012-2015: Senior Administrative Assistant

2009-2012: Administrative Assistant

## **KEY RESEARCH PROJECTS**

Prevalence of Epiphytic mistletoes on trees in Egerton University

## **RECENT PUBLICATIONS**

D. M. Nyaga and K. N. Uttam. 2015. Detection of biochemicals in plant tissue by FTIR Spectroscopy.

## **RESEARCH INTEREST**

Ecosystem Functions and Biodiversity conservation

Climate Change adaptation and mitigation

Resource management and Resource use Conflicts

## **COMMUNITY SERVICE**

Chairman-Pamoja Youth Group

Vice-Chairman-P.C.E.A Kambandi Youth Church



### Justin Mugendi Njeru

**Designation:** Assistant Lecturer

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## EDUCATION

Master of Science in Wildlife Management, University of Eldoret  
B.Sc. in Wildlife Management, Moi University

## FIELD OF SPECIALIZATION

Wildlife Ecologist

## WORK EXPERIENCE

January 2016 to Present: Assistant Lecturer, Chuka University

2014: Part-time lecturer, Maasai Mara University

2012-2015: PT lecturer, Department of Wildlife Management, University of Eldoret.

## KEY RESEARCH PROJECTS

2015-date: Determination of effectiveness of local community participation in Conservation of Eastern Block of the Mount Kenya Forest

2013-date: Potential wildlife parasites as bio-indicators of habitat stress in S. Kenya

## RECENT PUBLICATIONS

1. Njeru JM Edward Kariuki, Andanje, S A, Wahungu G M, and Wanjala P M (2014). Prevalence, and intensity of gastrointestinal parasites *Hirola*(*Beatragus hunteri*) and livestock in Southern
2. Njeru JM, Andanje, S A, Wahungu G M, and Wanjala P M (2016). Spatial and Demographic factors influencing gastrointestinal factors of the critically endangered Hirola (*Beatragus hunteri*) at the Hirola-Livestock Interface in Southern Kenya. *Journal of Natural Sciences Research*. [http:// www.iiste.org](http://www.iiste.org) Accepted on 17/11/2016
3. Njeru JM, B.C. Soi, Andanje, S A, Wahungu G M, and Wanjala P M (2014). Carpological analysis of the gastrointestinal parasites of the Hunter's antelope in Southern Kenya. *1<sup>st</sup> International Conference, 11<sup>th</sup>-14<sup>th</sup> November 2014-Maasai Mara University, Narok, Kenya*

## RESEARCH INTEREST

Wildlife-habitat relationships, ecology of endangered species

**Adol F. Gogo**

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**EDUCATION**

Master of Tourism Management - Moi University

Bachelor of Tourism Management - Moi University

DELF A2 - Alliance Francaise

**FIELD OF SPECIALIZATION**

ASSISTANT LECTURER

**WORK EXPERIENCE**

2014 To date: Assistant Lecturer, Chuka University

**RECENT PUBLICATIONS**

BOOK ISBN 978-3-659-74681-9 "Factors Determining Tourists Choice of Campsite Accommodation in Wildlife Protected Areas: Case of L. Nakuru National Park Kenya."

**RESEARCH INTERESTS**

Tourism Marketing, Tourism Product Development, Domestic Tourism, Tourism Policy and Planning, Cultural Tourism, Service Quality Management, Ecotourism, Sustainable Tourism, Devolution of Tourism Management



### **Kenneth Muhoro Munene**

**Designation:** Assistant Lecturer

**Faculty of Agriculture and Environmental Studies**

**Department** of Environmental Studies and Resource Development

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## **EDUCATION**

Higher Dip in Catering and Accommodation Operations (Kenya Polytechnic)

Diploma in Institutional Management (Catering) Kenya Polytechnic

Diploma in Technical Education (KTTC)

## **FIELD OF SPECIALIZATION**

Hotel, Catering and hospitality courses

## **WORK EXPERIENCE**

1982-1986 Worked as a caterer at Kaaga Girls High School – Meru

1987-1995 worked at National Youth Service Catering School as a trainer for students pursuing Diploma and Certificate in Hotel and Catering Courses

1995-2009 Teacher Service Commission as a Technical teacher

2009 up to date As an Assistant Lecturer in Catering and Hospitality Courses

## **EXTERNAL EXAMINATION**

1988-1996 KNEC examination for Diploma and Certificate in Catering and Accommodation Operation Examination

1988-2008 Curriculum Development at Kenya Institute of education for Certificate, Diploma and Higher Diploma in Catering and Accommodation Operation

2009 to date Curriculum Participation for Chuka University

## **KEY RESEARCH PROJECTS**

2008 Analysis of gender difference in tourism and hospitality industry jobs. A case study of Mombasa city in Kenya

2011 Assessment of coconut fruit farming as a tool of poverty alleviation and sustainable tourism development along the Kenyan Coast

## **RESEARCH INTEREST**

Use of Local Ingredients to promote Menus practiced in Five Star Hotels in Kenya



### Peter Fundi Njagi

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## EDUCATION

Master of Science Biology of Conservation

B.Sc. in Wildlife Management

## FIELD OF SPECIALIZATION

Biology of Conservation, Wildlife Management

## WORK EXPERIENCE

Assistant Lecturer Chuka University

Deputy Wildlife manger Mount Kenya Game Ranch

## KEY RESEARCH PROJECTS

2014-2016 Translocation of Mount Kenya guerezas to Karura forest

2011-2014 Ecology of De Brazzas monkeys at Mathew Ranges forest Reserve

2010-2012 Pre-reintroduction assessment of diet and habitat suitability for mountain Bongos in Mount Kenya

## RECENT PUBLICATIONS

1. Fundi, P. & Marriotte, C. 2016. Introducing Colobus guereza to Karura forest: A means to an end. *Swara*: 63-66
2. Simon, G.S., Fundi, P, Berril, M. & Njoroge, C.H. 2016. Pre-dispersal seed handling treatment by five sympatric non-human primates in Kibale National Park, Uganda. *Science Letters*: 4 (1): 84-91.

## RESEARCH INTEREST

Wildlife ecology, conservation and management



### **Joseph Maina Kariuki**

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## **EDUCATION**

Ph.D. in progress

Master of Environmental Science

B.Sc. in Environmental Science

## **FIELD OF SPECIALIZATION**

Environmental Scientist

## **WORK EXPERIENCE**

June 2016-Present: Lecturer

Nov 2012-June 2016: Assistant Lecturer

2009-2012: Teaching Assistant

## **KEY RESEARCH PROJECTS**

2009-2010: Solid waste management in Egerton University and the environs

2016-present: The influence of dumpsite based solid waste recovery on sustainability of waste recycling in the counties of Nakuru, Kiambu and Tharaka-Nithi

## **RECENT PUBLICATIONS**

1. Kariuki, S.T., Kariuki, J.M., Mailu, B.M. and Muchiri, D.R. (2016). *Phytolacca octandra* (L.), *Phytolacca dodecandra* (L'Herit) and *Balanites aegyptiaca* (L.) extracts as potential molluscicides of schistosomiasis transmitting snails. *Journal of Medicinal Plants Research*. 10(44): 823-828. DOI: 10.5897/JMPR2016.6237
2. J. M. Kariuki, W. N. Moturi, W. A. Shivoga and I. W. Kingori and C. M. Kilonzi (2016). Demand for, Awareness on and Constraints to Proper Solid Waste Management in Njoro Division. *Journal of Scientific Research & Reports*. 11(2): 1-10. DOI: 10.9734JSRR/2016/25844
3. J. M. Kariuki and D. N. Kinyanjui (2016). Household Solid Waste Generation and Composition in Njoro Division, Nakuru County, Kenya. *Journal of Scientific Research & Reports*. 10(7): 1-10. DOI: 10.9734/JSRR/2016/26051
4. Kariuki, S.T., Kariuki, J.M., Muchiri, D.R. and Gitua, J.N. 2015. Study of crude extracts of *Ajuga remota* BENTH (LABIATAE) as potential anti-malarial drug. *J. Env. Sust. Adv. Res.* (2015) 1:48-52.

## **RESEARCH INTERESTS**

Environmental studies, Sustainable waste management

**Samson Kithaka Chabari**

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**EDUCATION**

Master of Science in Environmental Science (on going), Chuka University

B.Sc. in Wildlife Management, Moi University

Diploma in Wildlife Management, Kenya Wildlife Service Training Institute

**FIELD OF SPECIALIZATION**

Wildlife, environment and natural resources conservation technologist. Taxidermist

**WORK EXPERIENCE**

June 2011-Dec. 2015: Assistant Fisheries Officer II, Chuka Igambangombe Sub County. In-charge of Aquaculture Extension, Fish Breeding and Water quality.

Part-time lecturer, Kenya Water Institute (Chiakariga) areas (lecturing microbiology, survey, soil and water conservation and practicals

**KEY RESEARCH PROJECTS**

2006: Habitat use by red-cheeked cordon blue

2015-2016 (on going): Role of local communities in conservation of Njuguni Forest Reserve Tharaka-Nithi County

**RESEARCH INTERESTS**

Wildlife and forestry

**Jedidah Karimi Kariuki**

**Designation:** Wildlife Technologist

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**EDUCATION**

B.Sc. in Wildlife Enterprise and Management

Diploma in Wildlife Enterprise and Management

**FIELD OF SPECIALIZATION**

Wildlife Management

**WORK EXPERIENCE**

Wildlife Technologist, Chuka University

Deputy Wildlife Manager, Mount Kenya Game Ranch

**RESEARCH INTEREST**

Shrubs and grasses

Mammals of Meru conservation area



**Judith Mwikali**

**Designation:** Technologist

**Faculty of Agriculture and Environmental Sciences**

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## **EDUCATION**

Diploma in Catering and Accommodation Management

## **FIELD OF SPECIALIZATION**

Catering and Accommodation Management technologist

## **WORK EXPERIENCE**

Laundry Assistant

Technologist

## **RESEARCH INTEREST**

Impact of modern technology on working conditions in five star hotels in Nairobi

## FACULTY OF ARTS AND HUMANITIES



**Prof. Colomba Kaburi Muriungi**

**Designation:** Associate Professor/Dean, FAHU

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**Department:** Arts and Humanities

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colomba.kaburri6@gmail.com, colombak@yahoo.com

### EDUCATION

PhD, University of the Witwatersrand, Johannesburg

Masters of Arts, University of the Witwatersrand, Johannesburg

B.Ed. (Arts) (English and Literature), Kenyatta University

### FIELD OF SPECIALISATION:

Associate Professor of Literature

### WORK EXPERIENCE /EXTERNAL EXAMINATION

28<sup>th</sup> June 2016: Associate Professor of African Literature, Chuka University.

26<sup>th</sup> August 2015: Dean, Faculty of Arts and Humanities, Chuka University.

May 2012: Senior Lecturer of Literature, Chuka University

January 2013-26<sup>th</sup> August 2015: Faculty of Arts & Humanities, Senate representative.

October 2007 to February 2011: Full-time Lecturer, Kenyatta University.

### KEY RESEARCH PROJECTS

2015-ongoing (Field Research): Oral Literature of the Tharaka

2016-2017: Editing two books with colleagues Literature of Atrocity: The Discursive Exegesis of the Protest Tradition in Kenya, Children's Literature in Kenya

2003-2006: Emerging Trends in Kenyan Children's Literature

### RECENT SELECTED PUBLICATIONS

1. Ireri, H., Muriungi, P., Waita, Z. & Muriungi, C.K. 2016. Strategies Used For Emphasis in Kimuthambi. *Advances in Social Sciences Research Journal*, 3(7):118-132.
2. Kithinji, C.M. Okelo, D.O & Muriungi C.K. 2016. Pre-colonial History of the Thagichu. In: *International Journal of Education and Research*, 4(8): 189-202.
3. Muriungi, C. K. 2015. Reading Pan-Africanism through Biographical Narratives for Young Readers in Kenya. *American International Journal of Humanities and Social Science*. 1(1):15-21.
4. Kaimenyi, C. K. & Muriungi, C. K. 2015. Gender Mainstreaming: Perspectives and Insights in Kenya. *Journal of Environmental Sustainability Advancement Research*. 1:81-89.

5. Kagwanja E. W. M, Muriungi, C. K. & Waita, N. Z. 2015. "Resistance and Subversion of Traditional Social Construction of Gender in Gikuyu Narratives, Songs and Proverbs". *AIJCR*, 5(3):55-62
6. Muriungi C. K. 2014. "Transformations in Kenyan Children's Prose Fiction". *Journal of Arts and Humanities*. 3(4):88-98.

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Joceline Atemba	Representation of the Boy Character in Children's Books		Graduated in 2009
2	Mboya Kivai	The Female Voice and the Future of Gender Relationships in Nigerian Nation in Chimamanda Adichie's <i>Purple Hibiscus</i> and <i>Half of a Yellow Sun</i>		Graduated in 2010
3	Mark Chetambe	Female Characters in the Contemporary Oral Narrative in the Kenya Schools' and Colleges' Drama Festival		Graduated in 2011
4	Elizabeth Kagwanja	Social Constructions of Gender in Gikuyu Oral Literature		Graduated in 2014
5	Nancy Wangui Mbaka	Language Change to Meet Modern Communicative Needs: An Analysis of Lexical Changes in Gichuka, A Kenyan Bantu Language		Graduated in 2015
6	Humphrey K. Ireri	A Pragmatic Analysis of Persuasion in Kimuthambi		Graduated in 2015
7	Carol Kithinji	Social Exclusion and Poverty of the Thagichu of Igembe, Meru County Kenya from 1907 to 2015		Graduated in 2016
8	Timothy Muchunku	Natural Settings in Literature: The Case of Weather and Landscape in Thomas Hardy's <i>Tess of the d'Urbervilles</i>		Graduated in 2016
9	Anne Hawala	Masculinity in Margaret Ogola's Novels: A case Study of <i>The River and the Source</i> and <i>I Swear by Apollo</i>		Continuing
10	Robert Murimi	Celebrating the Pan African Spirit through Bob Marley's Political Music		Continuing

11	Jackson Gikunda	Theatre and Radio Advertising: Cultural Stylistics and Popular Strategies		Continuing
12	Victoria W. Kangangi	The Audio and Audio visual medium of Narrative Construction in Selected Gikuyu Popular Songs		Continuing
13	Caroline Kagendo	Popular Music as a tool for Representation and Sensitization: A Study of Selected Kenyan Hip Hop Songs		Continuing
14	Severina Imirongo	Oral Literature in Alternative Rites of Passage among the Igembe People of Meru County, Kenya.		Continuing

### **RESEARCH INTERESTS**

Children's literature,  
 Gender studies  
 Postcolonial studies  
 Popular culture and literature



### **Prof. Stephen Kairu Wambugu**

**Designation:** Associate Professor/Chairman, DAHU

**Faculty:** Arts and Humanities

**Department:** Arts and Humanities

Chuka University, P. O. Box 109-60400, Chuka, Kenya

Office Tel.:+254-2-2310512 Mobile: +254 722809246

Stephen.wambugu@chuka.ac.ke/kairu.wambugu@gmail.com

### **EDUCATION**

Ph.D., Economic Geography, Kenyatta University and University of Trier (Germany)

Master of Science in Economic Geography, Kenyatta University

B.Ed. (Science), Kenyatta University

Certificate in Policy Analysis and Training IFPRI

### **FIELD OF SPECIALIZATION**

Associate Professor of Economic Geography and Agribusiness

### **WORK EXPERIENCE**

2014 to date: Associate Professor, Chuka University

2010 to 2014: Senior Lecturer, Kenyatta University

1992 to 2009: Lecturer, Kenyatta University

1989 to 1991: Tutorial Fellow, Kenyatta University

1988 to 1989: Graduate Assistant, Kenyatta University

1987 to 1988: Graduate Teacher, Ikuu Girls Secondary School

### **KEY RESEARCH PROJECTS**

1. 2014-date: Yield Gaps Africa Project-A collaborative Research Project among Chuka University, University of Nairobi, Lund University, University of Ghana, Legon, ICRAF and Swedish University of Agricultural Science, Funded by FORMAS and VR Research Councils, Sweden
2. 2015-date: Agriculture and Food Security (AGRIFOSE 2030) Policy Research Project financed by SIDA and developed by a Consortium of Scientists from SLU, Lund University, Gothenburg University, and Stockholm Environment Institute and involves Chuka University, University of Nairobi and ILRI/ReSAKSS
3. 2014-date: Afrint III Research Project on Gender and Agricultural Productivity funded by SIDA and involves Chuka University, Kenyatta University and Researchers from Lund University, Nairobi University, Malawi, Zambia, Mozambique, Ghana and Tanzania
4. 2012-date: Local Coordinator and project Contact Person, HAAGRIM Intra-ACP Academic Mobility Project on Harmonization and Improvement of Masters and PhD. Programmes in Agribusiness through mobility between West, East and Central Africa for sustainable economic development. A 5 year project focusing

on mobility of students and staff to 8 partner universities. Project funded by the European Commission

5. 2014-date: African Urban Agriculture: Social, Economic and Environmental Challenges and Prospects under Changing Global and Demographic Realities. A collaborative project funded by the Swedish Research Council through Lund and SLU Universities, Sweden
6. 2014-2015: Afrint III: Poverty Impacts of Straddling: Rural Income Diversification in Sub-Saharan Africa: A collaborative research project funded by Swedish Research Council through Lund University, Sweden

#### **RECENT SELECTED PUBLICATIONS:**

1. Peer Reviewer-Alliance for a Green Revolution in Africa (AGRA) 2015. Africa Agriculture Status Report: Youth in Agriculture in Sub-Saharan Africa. Nairobi, Kenya, (3) ISSN 2313-5387.
2. Luvanda, A.M. Chikamai, B.N., Wambugu, S.K. and Macharia, I. N (2016). Occurrence and Distribution of Commiphora Holtziana and C. Myrrha in Wajir County, Kenya. International Journal of Science and Technnology 4(6):66-74.
3. James K. Mutura, Stephen K. Wambugu Newton Nyairo and MainaMwangi and (2016). Analysis of Integration among Smallholder Dairy Farmers in Lower Central Kenya, in International Journal of Business and Management 4(2):57-64.
4. Stephen K.Wambugu, James K. Mutura, Newton Nyairo and MainaMwangi and (2016). Analysis of Determinants of Vertical and Horizontal Integration among Smallholder Dairy Farmers in Lower Central Kenya, International Journal of Agriculture and Food Research 5 (1):1-13.

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Mugambi David Kimenchu	Ph.D thesis title: Characterization and Assessment of the Technical Efficiency of Dairy Cows in Meru and Embu Counties, Kenya.	2009	2013
2	Monica Kansime Kagogora	Ph.D thesis title: Adoption and Risks of Embracing Climate Resilience Technologies in Eastern Uganda.	2009	2013
3	Lucy Wangari Ngare	PhD thesis title: An Analysis of the Efficiency of Maize and Bean Markets in the Central Highlands of Kenya.	2009	2013
4	James K. Mutura	PhD thesis title:An Analysis of Vertical and Horizontal Integration and its Impact on Productivity of Small holder Dairy Farming	2010	2015

		Enterprises in Central Region of Kenya		
5		A Multiplicity of M.A and Ph.D students that I am currently supervising at Chuka and Kenyatta Universities	Various dates	Ongoing

### **RESEARCH INTERESTS**

Using Remote Sensing and GIS Technologies to Map Resources for Development, Policy Analysis, Agricultural Intensification and Diversification, Value chain research, Agricultural Marketing

**Prof. Zachary Njogu Waita**

**Designation:** Associate Professor/ Director, Board of Undergraduate Studies and Field Attachment

**Faculty:** Arts and Humanities

**Department:** Arts and Humanities

Chuka University, P. O. Box 109-60400, Chuka, Kenya

Office Tel.: +254-725-130-187

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**EDUCATION**

PhD (Literature)

MA (Literature)

B.A. (Literature major)

P.G. Dip (Mass Communication)

**FIELD OF SPECIALIZATION**

Literature and Media Studies

**WORK EXPERIENCE**

Graduate Assistant, Tutorial fellow, Lecturer, Senior Lecturer, Associate Professor

External Examiner: Moi University Karatina University, University of Kabianga

**KEY RESEARCH PROJECTS**

2000 to 2004: Oral literature and communication of change and innovations in Kenya

2013-2014: Reducing the vulnerability to sexual and gender based violence in Kenya'

2015: Kikuyu Literature Since 1885

**RECENT PUBLICATIONS**

1. Njogu Waita. 2013. 'Representations of Kenyan History in Oral Literature: 1948-2002.' *International Journal of English Language and Literature*. 4 (5):187-202
2. Njogu Waita .2013. 'Identity Gender and Politics in Ngugi Wa Thiong'o's *Wizard of the Crow*', in *International Journal on Studies in English Language and Literature*, 1 (2): 45-50
3. Njogu Waita. 2014. Orality and the Written Word in the Age of Globalization: The Case of Ngugi Wa Thiong'o's Kikuyu Novels', *International Journal on Studies in English Language and Literature*, 2 (11):82-90
4. Elizabeth Kagwanja, Colomba Muriungi& Zachary Waita. 2015. 'Innovation and Change in the Social Construction of Gender as Depicted in Gikuyu Songs.' *International Journal of Education and Human Development*, 1 (2): 12-22.
5. Allan Mugambi & Njogu Waita. 2016. 'The Power of Technique and Device in African Narrative Performance: A Case of Kikuyu Community in Kenya with special Reference to Wanjira Wa Rukenya, A Renowned Artist in the *International Journal of Current Research*. 2016, 08 (7).

6. Humphrey Kirimi, Peter Muriungi, Colomba Muriungi and Zachary Waita. 2016 ‘Strategies Used for Emphasis in Kimuthambi’ in Advances in Social Sciences Research, 3 (7) 118-132.

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Humphrey Kirimi Ireri	<i>A Pragmatic Analysis of Persuasion and Emphasis in Kimuthambi.</i>	2013	PhD 2015
2	Timothy Muchungu Kango’ri	Natural Settings in Literature: The Case of Weather and Landscape in Thomas Hardy’s <i>Tess of the D’Urbervilles</i> .	2012	MA 2016
3.	Jackson Gikunda	Orality in Advertising: The case of Kenya Radio advertisements	2015	Continuing
4.	Nabea Henry Nkoru	‘Uses of Gratification on Web Advertising in Kenya’.	2016	Continuing
5	Edward Okana Odera	‘Influence of online journalism on news access and choice in selected Kenyan Universities’	2012	Submitted
6	Allan Mwangi	‘Listeners Perception of Sex Talk on Kenyan Vernacular FM Radio: A Case of Inooro FM and Kameme FM’	2012	Submitted

#### **RESEARCH INTERESTS**

African Literature, Latin American literature and media studies and gender studies



### Prof. Peter Kinyua Muriungi

**Designation:** Associate Professor/ Director Quality Assurance and Performance Contracting

**Faculty:** Arts and Humanities

**Department:** Arts and Humanities

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[muriungip@yahoo.com](mailto:muriungip@yahoo.com)

## EDUCATION

PhD, University of Tromsoe, Norway

Master of Arts, University of the Witwatersrand, Johannesburg, SA

B.Ed (Arts), University of Nairobi, Kenya

## FIELD OF SPECIALIZATION

Associate Professor of Linguistics, Area of Specialization, **Syntax**

## WORK EXPERIENCE

28<sup>th</sup> June 2016: Associate Professor of Linguistics at Chuka University

22<sup>nd</sup> May 2012: Senior Lecturer in English, Chuka University

6<sup>th</sup> December 2011: Academic Board, Chuka University College Council

23<sup>rd</sup> Mar 2011: Director, Quality Assurance & Performance Contracting, Chuka Uni

15<sup>th</sup> June 2009-Lecturer in the Faculty of Arts and Humanities, Chuka University

## KEY RESEARCH PROJECTS

2012-ongoing: Verbal affixation in Kenyan Bantu Languages

2004-2009: Phrasal Movement inside Bantu Verbs: Deriving Affix Scope and Order in Kitharaka

## RECENT PUBLICATIONS

1. Ireri, H., Muriungi, P., Waita, Z. & Muriungi, C.K. 2016. Strategies Used For Emphasis in Kimuthambi. *Advances in Social Sciences Research Journal* 3(7):118-132.
2. Njogu Waita. 2013. ‘Identity Gender and Politics in Ngugi Wa Thiong’o’s *Wizard of the Crow*’, in *International Journal on Studies in English Language and Literature*, 1(2):45-50
3. Muriungi, P. 2015. The Nanosyntax of Noun Agreement in Kiitharaka. *Global Journal for Research Analysis*. 4(9):17-19
4. Ntarangwi, L., Muriungi, P., & Muriungi, C. 2015. A Syntactic Analysis of Agreement in Gitigania. *IJSELL*. 3(9):42-63.
5. Muriungi, P. 2011. An Antilocality Restriction on Subject Wh-phrases in Kiitharaka. *Lingua*, 121(5): 822-831

6. Muriungi, P. 2013. Phrasal Movement Inside Bantu Verbs. Deriving Affix Scope and Order in Kiitharaka. 2013. *Syntax*
7. Muriungi, P. 2005. *Wh-Questions in Kîîtharaka*. *Studies in African Linguistics*, Vol 34, 2005: 43-104

### **POSTGRADUATE STUDENTS SUPERVISED**

<b>Masters Level</b>				
SN	Name	Thesis Title	Year	Status
1	Ireri, Humphrey	Misinterpretations in English - Kimuthambi Church Sermons.		Graduated in 2011
2	Njeru, Gatavi	The Nature of Errors in the Written English of Primary School Pupils in Nembure Division, Embu West District.		Graduated 2011
3	Mbui Mercy	Factors that Influence the Acquisition of English Language Skills among Day Secondary School Students in Imenti South District, Kenya.		Graduated in 2011
4	Wainaina Hellen	Factors Affecting Implementation of Early Childhood Development Education in Public Centres in Meru South, Kenya		Graduated in 2012
5	Mwirigi Francis	Impact of Selected Factors on the Quality of Learning: A case of Public Primary Schools in Imenti Central District, Kenya.		Graduated in 2012
6	Kathuni Patrick	Kathuni, Patrick. 2013. Effectiveness of Principals in Provision of Curriculum and Instructional Leadership: A case of Meru South District, Kenya.		Graduated in 2013
7	Mbaka Humprey	Phrase Structure Grammar of Gichuka		Graduated 2013
8	Mutegi Kathomi	Strategies of Wh - Question Formation in Gichuka.		Graduated 2014
9	Njaga Jane	The Relationship Between Women Literacy and Household Food Security: A Case of IgambaNgombe Division, Tharaka Nithi County.		Graduated 2014
10	Elungata J	Causes, Types and Effects of Land Disputes in Meru South Sub - County, Tharaka Nithi County, Kenya		Graduated 2014
11	Micheni Jeniffer	<i>Sociolinguistics factors Influencing the Choice of Codes in Secondary</i>		Graduated 2015

		<i>Schools of Muthambi Division, Maara Sub - County, Kenya.</i>		
12	Mwirigi P.	A Morphosyntactic Analysis of Adjectives in Kiimenti.		Graduated 2015
13	Ntarangwi Lilian	A Syntactic Analysis of Agreement in Gitigania		Graduated 2015
14	Mbaka Nelly	The Syntax of Causative Constructions in Gichuka.		Graduated 2015

#### **PhD LEVEL**

15	Njue Eunice	Effectiveness of Examination Policies in Management of Examination Malpractices in Eastern Province in Kenya.		Graduated 2013
16	Mbaka Nancy	Language Change to meet Modern Communicative Needs. An Analysis of Lexical Change in Gichuka.		Graduated 2015
17	Ireri Humprey	A Pragmatic Analysis of Persuasion and Emphasis in Kimuthambi		Graduated 2015
18	Karuri Mary	Representation of Political Conflict in Kenyan Newspaper Headline Stories		Graduated 2016
19	Atieno Christine	A critical Discourse Analysis of Kenyan Parliamentary Debates (Hansard)		Graduated 2016
20	Kinyua AnnHilda Gatakaa	A Morphosyntactic Investigation of Verbal Affixation in Kimwimbi		Graduated 2016

#### **RESEARCH INTERESTS**

Bantu Syntax, Question Formation, Word Order Universals, Clausal Architecture (Cartography)



### **Prof. John Mwithali Kobia, Ph.D**

**Designation:** Associate Professor of Kiswahili & Director, Igembe Campus

**Faculty:** Arts and Humanities

**Department:** Arts and Humanities

Chuka University, P. O. Box 354-60600, Maua, Kenya

Office Tel.: 0772 894917. Mobile: +254 720 80 97 25

**Email:** jkobia2001@yahoo.com

## **EDUCATION**

Doctor of Philosophy (Ph.D.) in Kiswahili Kenyatta University

Master of Philosophy (M.Phil) in Kiswahili Moi University

Bachelor of Education (Arts) [Kiswahili& Geography] Moi University

## **FIELD OF SPECIALISATION:**

Associate Professor of Kiswahili

## **WORK EXPERIENCE /EXTERNAL EXAMINATION**

2014 to date: Associate Professor of Kiswahili, Chuka University

2011-2014: Senior Lecturer in Kiswahili, Chuka University

2007-2010: Lecturer in Kiswahili, Masinde Muliro University of Science and Tech.

2006-2007: Assistant Lecturer in Kiswahili, Western University College\

2013-2016: External Examiner in Kiswahili, University of Kabianga

## **KEY RESEARCH PROJECTS**

2011-2015 *Kamusi Bora ya Watoto*

## **RECENT SELECTED PUBLICATIONS:**

1. Kobia, J.M. 2016. A Conceptual Metaphorical Analysis of Swahili Proverbs with Reference to Chicken Metaphor. *International Journal of Education and Research*. 4(2):217-228
2. Mugambi, A., Mukuthuria, M. & Kobia, J.M. 2016. Error Analysis in Mass Media in Kenya: a case study of radio bulletins from Kenya Broadcasting Corporation and Radio Citizen. *International Journal of Social Sciences & Education*. 2(3):173-188
3. Mugambi, A., Mukuthuria, M. & Kobia, J.M. 2016. Lexical Error Analysis in Radio News Bulletin in Kenya: a case study of radio bulletins from Kenya Broadcasting Corporation and Radio Citizen. *International Journal of Current Research* 8(4):30023-30027
4. M'Ngaruthi, T.K., Kobia, J.M. & Mukuthuria, M. 2015. Kiswahili Poetry and Its Role in Preservation of the History of Struggle for Freedom in Africa. *International Journal of Arts and Entrepreneurship*. 4(7):52-62 ISSN 2307-6305
5. Ngesa, A.K, Matundura, E & Kobia, J.M. 2015. Mwingilianomatini katika Tamthilia za Kiswahili: Mashetani na Kijiba cha Moyo. *Swahili Forum*. 22: 42-71

6. M'Ngaruthi, T.K., Mukuthuria, M. &Kobia, J.M. 2015. Portrayal of the Contemporary African Politician in Kiswahili Poetry. *International Journal of Current Research* 7(9):20287-20289
7. Kobia, J.M. & Mwilaria, R. 2015. A Stylistic Analysis of the Epic of Job. *International Journal of Education and Research*. 3(6)13-24
8. Kobia, J.M. & Miriti, G. 2014. Communication Strategies Inherent in Business Discourse by Miraa Traders of Igembe and Somali Origin. *International Journal of Humanities, Social Sciences and Education*. 1 (10): 31-40
9. Kobia, J.M. & Miricho, M.E. 2014. The Impact of Assessment Procedures and Presentation Style of Kiswahili Instructional Materials on Students; Academic Performance: A case Study of B.Ed (Arts) Distance Education Programme at University of Nairobi. *International Journal of Social Sciences* 20(1)10:35-41
10. Kobia, J.M. & Miriti, G. 2014. Face threatening acts employed in miraa business discourse by traders of Igembe and Somali origin. *International Journal of Education and Research*. 2(7):281-292
11. Kobia, J.M. 2015. *Kamusi Bora ya Watoto*. Longhorn Publishers: Nairobi ISBN 996636140-5
12. Kobia, J. 2014. *Maskini Punda*. Kenya Literature Bureau: Nairobi ISBN 9966-10-121-1
13. Kobia, J. 2014. *Msitu wa Uma*. Kenya Literature Bureau: Nairobi ISBN 9966-10-122-8

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Allan Mugambi Ph.D.	Uchanganuzi wa makosa katika Redio Nchini Kenya: Mfano kutoka Shirika la Utangazaji la Kenya (KBC) na Redio Citizen	2011	Graduated 2016 (Chuka)
2	Timothy K. M'Ngaruthi Ph.D.	Usawiri wa Mwanasiasa wa Kiafrika katika Ushairi wa Kiswahili	2011	Graduated 2015 (Chuka)
3.	Oluoch J. Stephen Ph.D.	Uchanganuzi wa Kiamali wa Utata katika Fasiri za Sitiari za Dini ya Kikristo kutoka Kiluo hadi Kiswahili	2010	Graduated 2014 (MMUST)
1	Kirimi Augustine Ph.D.	Mwonoulimwengu wa Wamuthambi katika Methali	2013	Graduated 2016 (Chuka)
2.	Gitonga Julius, MA	Upatanisho wa Kisarufi katika Sentensi ya Gichuka	2011	Graduated 2015 (Chuka)

3.	Kisaka Wanyonyi, MA	Tathmini ya mikakati ya stadi ya kusikiliza kama njia ya ufunzaji na ujifunzaji wa Kiswahili katika shule za upili katika kaunti ndogo ya Nandi Kaskazini	2011	Graduated 2015 (MMUST)
4.	Ambrose Kange Ngesa, MA	Mwingilianomatini katika tamthilia ya Kiswahili: Mfano wa Mashetani na Kijiba cha Moyo.	2011	Graduated 2014 (Chuka)
5.	David M. Ndwigga, MA	Mchongoano kama Sanaa Rekebishi: Mfano wa mchongoano katika <i>Taifa Leo</i>	2011	Graduated 2014 (Chuka)

### **RESEARCH INTERESTS**

Lexicography, African oral literature, gender studies, sociolinguistics, publishing

**Dr. Christine Atieno Peter**

Designation: Lecturer

Faculty of Arts and Humanities

Department Arts and Humanities

Chuka University, P. O. Box 109-60400, Chuka, Kenya

Tel.: +254 0 725 300 577

Email atienorugendo@gmail.com

**EDUCATION**

PhD in Linguistics, Chuka University

Masters of Arts in English, Egerton University

B.Ed. (Arts) (English and Literature), Kenyatta University

**FIELD OF SPECIALISATION:**

Lecturer Linguist

**WORK EXPERIENCE /EXTERNAL EXAMINATION**

November 2012 - June 2016: Assistant Lecturer, Chuka University

June 2016 to date: Lecturer, Chuka University

**KEY RESEARCH PROJECTS**

2016: The Use of Language to Perpetuate Socio-Political Dominance in Kenyan Parliamentary Debates

2016: Textuality of English Composition Writing by Form Two E.S.L. Students in Meru South, Kenya

**RECENT SELECTED PUBLICATIONS:**

1. Atieno, C.R. 2012. *Discourse Analysis: Textuality in Composition Writing by ESL Learners*. Lambert Academic Publishing. Germany. ISBN 978-3659-19420-7
2. Atieno, C.P.; Mbaka, N. W. and Karuri, M. (2014). Textuality of English Composition Writing by Form Two E.S.L. Students. *Journal of Education and Practice*. 5(15): 53-65. New York: International Institute for Science, Technology and Education Accelerating Global Knowledge Creation and Sharing.
3. Atieno, C. P. (2015a). Cohesion and Coherence in High School Students' Written Work in Chuka Division, Kenya. *Journal of Education*. 3(7). India: Research Journal, Exclusive Journal Publishing House.
4. Atieno, C. P. (2015b). Intertextuality in Essay Writing by Students in High Schools Tharaka Nithi County, Kenya. *International Journal of Research in Humanities and Social Studies*. 2(8): 57-63. Hyderabad: Sryahwa Publications
5. Atieno, C.P. (2016). Hate Speech in the Creation of Socio-Political Dominance in Kenyan Parliamentary debates. *American International, Journal of Contemporary Research*. 6(5).
6. Atieno, C.P., Mukuthuria, M. & Muriungi, P (2016). Thematic Choice as a Discursive Formation Used to Create Socio-Political Dominance in Kenyan

- Parliamentary Debates between 1992 and 2010. *International Journal of Multidisciplinary Research Review*. 1(18): 105-110. Bangalore-32, Kamataka.
7. Atieno, C.P., Mukuthuria, M. &Muriungi, P. (2016). The use of Presupposition in the Creation of Socio-Political Dominance in Kenyan Parliamentary Debates Between 1992 and 2010. *Journal of Education and Practice*. 7(24):154-172.
  8. Karuri, M., Mbaka, N. and Atieno, C.P. (2014). Pragmatics in Parenting: Language Strategies in Communicating Issues of Sexuality to Teenagers by Kenyan Parents. *Research on Humanities and Social Sciences*. 4(5):122-128. New York: International Institute for Science, Technology and Education Accelerating Global Knowledge Creation and Sharing.
  9. Mbaka, N.; Atieno, C. and Karuri, M. 2013. Implementation status of Kenya's language in education policy: A case study of selected primary schools in Chuka Division, Meru South District, Kenya. *Journal of Education and Practice*. 4(23): 97-103. New York: International Institute for Science, Technology and Education Accelerating Global Knowledge Creation and Sharing.
  10. Wanja, M. N., Kaburi, C. M. and Atieno, C. P. (2014). Effectiveness of Professional Development on English and Literature Teachers in Selected Schools in Tharaka-Nithi and Meru County, Kenya. *American International Journal of Contemporary Research*. 4(8):142-148. USA: Center for Promoting Ideas.

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date Admitted	Status
1	Lucy Nthama Rimbere	Cohesion in Written Compositions by Standard Seven Primary School Pupils in Buuri.	2014	Ongoing

#### **RESEARCH INTERESTS**

Written and Spoken text linguistics, Discourse and Pragmatics



### **Dr. David Nyaga Bururia**

**Designation:** Senior Lecturer

**Faculty of Arts and Humanities**

**Department** of Arts and Humanities

Chuka University, P. O. Box 109-60400, Chuka, Kenya

Tel.: +254-0727657799

nyagabururia@gmail.com OR nyagabururia@yahoo.com

## **EDUCATION**

Ph.D. (Ethics & Social Theory), San Francisco Theological Seminary, CA, USA

Master of Theology (Counselling in Christian Education), Columbia Theological Seminary, GA, USA

Bachelor of Education Arts, University of Nairobi, Kenya

Bachelor of Divinity, St. Pauls University, Kenya

B.Ed. (Arts) (English and Literature), Kenyatta University

## **FIELD OF SPECIALISATION:**

Education, Ethics and Social Theory

## **WORK EXPERIENCE /EXTERNAL EXAMINATION**

1986-date: Ordained Minister of Religion

1998-20008: Senior Graduate Teacher-cum-Chaplain-TSC

2000-2009: Lecturer, Kenya Methodist University

2009-date: Senior Lecturer, Chuka University

## **KEY RESEARCH PROJECTS**

2016 The Use of Language to Perpetuate Socio - Political Dominance in Kenyan Parliamentary Debates

2016 Textuality of English Composition Writing by Form Two E.S.L. Students in Meru South, Kenya

## **RECENT SELECTED PUBLICATIONS:**

1. Bururia, D. N. (2015). Effect of Levels of Awareness and Impact of of HIV/AIDS among Christians in Meru South Sub County, Kenya. Scholars Journal of Arts, Humanities and Social Sciences (957-962).
2. Bururia, D. N. (2015). Factors leading to Lowering of Dignity of Pastoral Ministry in Kenya: A case of Chuka and Magumoni Presbyterian Churches. Scholars Journal of Arts, Humanities and Social Sciences (963-967).
3. Bururia, D. N. & Nyaga J. N. (2015). Demystifying Negativism of Carthe edulis and Focusing on its Religious, Social-economic and Educational Significance: A case of Meru North Region in Meru County, Kenya. Journal of Environmental Sustainability Advancement Research (60-67).
4. Bururia, D. N. (2015). Divorcing Graciously and Re-marrying Honourably: An African Christian Church Response. Journal of Religious Studies (131-136).

5. Bururia D. N. (2016). Need and Extent of Religion as a Catalyst for Management of Guidance and Counselling to students in Kenyan Schools. International Journal of Education (95-100).
6. Muriuki, L. M.; Bururia, D. N.; & Mutegi, J. (2016). Determinants of Religious Tourism Branding Tactics in Kenya: A Cross-Sectional Approach. SAGE: Tourism and Hospitality Research (1-14).

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Lemmy Mureti Muriuki	PhD: Assessment of Kenyan Pilgrimages: A Need for Developing Religious Tourism in the Coast, Western and Eastern Regions		Graduated 2014
2	Jane Karimi	PhD: Needs Assessment and Utilization of Counselling Services among students in Kenya Universities		Graduated 2014
3	Daniel Thuo	PhD: Relationship between Teachers' Self - Efficacy in Teaching HIV/AIDS Education and students' Knowledge Towards Sexual Behavior in Secondary Schools in Coast Region		Graduated 2016

#### **RESEARCH INTERESTS**

Education, Ethics and Social Theory



### Rev. Dr. Dickson Nkonge Kagema

**Designation:** Senior Lecturer

**Faculty of Arts and Humanities**

**Department** of Arts and Humanities

Chuka University, P. O. Box 109-60400, Chuka, Kenya

**Email** dicknkonge@gmail.com

## EDUCATION

Ph.D., University of South Africa (UNISA), Pretoria

Master of Arts (Religious Studies)

Bachelor of Theology (Bth), Kenya Methodist University

Diploma in Theology, St. Paul's University

Certificate in Theology, St. Andrew's College of Theology & Development

## AREA OF SPECIALIZATION

Theology and Religious Studies

## WORK EXPERIENCE

September 2014 to Present: Senior Lecturer, Chuka University, Kenya

2011-Present: Research Associate, University of Stellenbosch, South Africa

March 2012-Sept 2014: Lecturer, Chuka University, Kenya

Jan 2011-March 2012: Assistant Lecturer, Chuka University

Jan 2015: Honorary Theological Edu. Extension Director, Anglican Diocese of Meru

Jan 2009-present: Adjunct Lecturer & Supervisor, St. Paul's University, Limuru

March 2011-Present: Coordinator of Humanities Section, Chuka University

2012-External Examiner, St. Paul's University (Systematic Theology)

2012-2014: Part-time Lecturer, Africa Nazarene University

2005-2011: Hospital Chaplain, Kenyatta National Hospital, Nairobi & Provincial Chaplain, Anglican Church of Kenya.

2003-2005: Diocesan Administrative Secretary, Anglican Diocese of Meru Diocese

1998-2003: Parish Priest, Meru & Thika Dioceses

1993 to 1995: High School Science Teacher

## RECENT SELECTED PUBLICATIONS

1. Nkonge, D. 2011. Equipping Church Leaders for Mission in the Anglican Church of Kenya, *Journal of Anglican Studies* (Cambridge University Press), 9(2):
2. Nkonge, D.K. 2012. Developing Church Leaders in Africa for Reliable Leadership: A Kenyan Perspective. *Dutch Reformed Theological Journal (NGTJ)*, Vol. 53& 54
3. Nkonge, D.K. 2013. The Use of Hip-hop Music as an Avenue of Evangelizing the Youth in Kenya Today: A Practical Approach. *American Journal of Contemporary Research*, 3(8).

4. Nkonge, D.K. 2013. Theological Institutions, the Future of the African Church. *International Institute of Science, Education and Technology (IISTE), Research on Humanities and Social Sciences Journal*, 3(21).
5. Nkonge, D.K. 2014. The Relationship between Religion and Science in Mission: Reflections from an African Christian Perspective. *IISTE, RHSS Journal*, 4(2)
6. Nkonge, D.K. 2013. Theological Education Institutions in Kenya and the Future of the Church: An Anglican Case Study. *Journal of Adult Theological Education*, 10(2)
7. Nkonge, D.K. 2014. The Church Missionary Society's Burden: Theological Education for a Self-supporting, Self-governing and Self-propagating African Anglican Church in Kenya (1844-1930). *Anglican and Episcopal History*, 83(1).
8. Nkonge, D.K. & Maina, M.W. 2014. Causes of the New Charismatic Movements in Kenya. *Global Journal of Arts, Humanities and Social Sciences*, 2(2)
9. Nyabwari, B.G & Nkonge, D.K. 2014. Charismatic Pentecostal Churches in Kenya: Growth, Culture and Orality in *International Journal of Humanities, Social Sciences and Education*, 1(3)
10. Nkonge, D.K. & Nyabwari, B. G. 2014. The Role of African Traditional Religion in the Formulation of Policies in Civil and Political Leadership in Africa-International Institute of Science, Technology &Education ( Research in Humanities and Social Sciences) (4)8
11. Nkonge, D.K. (2014) Marks of True Christian Discipleship: Reflections from Mark 10:35-45 in *IISTE* (Research in Humanities and Social Sciences), 4(7)
12. Nkonge D.K. & Kiende S.M 2014. The Challenge of Church-hopping in Kenya: Factors Leading to the Migration of Church Members from the Methodist Church of Kenya. *Global Journal of Arts, Humanities and Social Sciences*, 2(9)
13. Nkonge, D.K. (2015). The Role of the Church in the Realization of Vision 2030 in Kenya in *Journal of Educational Policy and Entrepreneurial Research*, 2(3)
14. Nkonge, D.K. (2016). A Short History of the Anglican Church in Meru, Kenya, *Research in Humanities & Social Sciences*, 6(2).
15. Nkonge, D.K. (2016). Towards an African Oikothéologie, *J. Educational Policy and Entrepreneurial Research*, 3(1)1 & *International J. Scientific Research* 1(1)
16. Nkonge, D.K. (2016). The Need for Equipping Lay Church Leaders in the Anglican Church of Kenya Through Theological Education by Extension, *Journal of Educational Policy and Entrepreneurial Research* 3(11).
17. Nkonge, D.K. (2016). The Role of the African Traditional Religion in the Promotion of Justice, Reconciliation and Peace in Africa in the 21<sup>st</sup> Century: A Kenyan Experience, *International Journal of African and Asian Studies*, Vol. 15
18. Nkonge, D.K. (2017). Theological Education in Africa in focus: Challenges and Opportunities for the African Church as it moves to the Future, *Churchman Journal* (Accepted).
19. Nkonge, D.K (2017). The State of the Theological Education in the Anglican Church of Kenya and the Challenge it poses to the future of the Church, *Journal of Anglican Studies*(Accepted)

**POST GRADUATE STUDENTS SUPERVISION**

Successfully supervised several students

**PROFESSIONAL BODIES' MEMBERSHIP**

European Centre for Research, Training and Development

Association of Practical Theology in South Africa

Historical Society of the Episcopal Church



### **Dr. Ann Hildah Gatakaa Kinyua**

**Designation:** Assistant Lecturer

**Faculty:** Arts and Humanities

**Department:** Arts and Humanities

Chuka University, P. O. Box 109-60400, Chuka, Kenya

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## **EDUCATION**

PhD in Linguistics, Chuka University

MA (English), Egerton University

B.Ed. (Arts), Kenyatta University

## **FIELD OF SPECIALIZATION**

Linguist Assistant Lecturer

## **WORK EXPERIENCE**

Dec 2014 to date: Assistant Lecturer, Chuka University

Sept 2015-Oct 2016: Examinations Coordinator, Chuka University

Jan 2008-Dec 2014: Head of Department, English, Muthambi Girls High School.

Jan 1998-Dec 2014: Senior Graduate Teacher, Teachers Service Commission

Jan 2009-Dec 2014: Member, Muthambi Division English Exam Setting Panel

Sep 2007-Dec 2014: Coordinator, Muthambi Girls and Drummond High School (Scotland) Link Project

## **KEY RESEARCH PROJECTS**

2010: A Descriptive analysis of the verb group in the kimwimbi dialect of kimeru language of Kenya.

2016: A morphosyntactic investigation into the system of verbal affixation in kīmwīmbī, a Kenyan Bantu Language

## **RECENT PUBLICATIONS**

1. Kinyua, A. H. G. & Muriungi, P.K. (2016). Accounting for Post-Verbal Affixes on the Kīmwīmbī Verb. RHSS 6(20)  
<http://iiste.org/Journals/index.php/RHSS/article/view/33657>
2. Kinyua, A. H. G. (2016). Tense and Aspect Marking in Kīmwīmbī. IJELH Vol IV, ISSUE X <http://ijellh.com/tense-and-aspect-marking-kimwimbi/>

## **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis title	Date admitted	Status
1	Anastacia Chepnetich	A Minimalist Analysis of Wh-Questions in Kipsigis	2015	Continuing

**BOOK**

Kinyua, A.H.G. (2011). *The Verb Group in Kĩmwĩmbĩ, Kenya*. LAP Lambert Academic Publishing GmbH & Co. KG, Heinrich-Bocking-St, Saarbrucken, Germany

**RESEARCH INTERESTS**

Language typology

Syntax and Morphology

English Language Teaching

**Dr. Anne Andayi Sande****Designation :** Lecturer**Faculty:** Arts and Humanities**Department:** Arts and Humanities

Chuka University P. O. Box 109-60400 Chuka, Kenya

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**EDUCATION**

PhD, Kisii University

MA, Masinde Muliro University of Science and Technology

B.Ed. (Science), Egerton University

**FIELD OF SPECIALIZATION**

Disaster Management and Sustainable Development

**WORK EXPERIENCE**

2016-Present: Lecturer, Chuka University

2012-2015: Assistant Lecturer, Chuka University

2004-2008: Tutor/Career Liaison Officer, Sigalagala Technical Institute

2001-2003: HOD Science/Curriculum Mistress, Matende Sec. School

1990-2001: Teacher, Patron (Science Club), Mukumu Boys High School

1996-1998: Teacher, Butere Girls High School

1994-1995: Teacher, Malava Girls Sec School

**KEY RESEARCH PROJECTS**

2013: Evaluationand variation of pumpkin varieties grown by small holder farmers in the Lake Victoria

2013: The potential of pumpkin production in Climate change

2014: Child labour and Sustainable Development in Nzoia Region Western Kenya

2015: Role of the church in Disaster Preparedness, Mt. Kenya Region

**RECENT PUBLICATIONS**

1. Sande Anne and Maurice Amutabi.(2016): The prevalence of Child labour in Nzoia Region of Western Kenya
2. Echessa A.C. P., Nyambaka H., Ondigi N. A., Omuterema S., Toili W., Afihini S. M. and Sande A (2013); Evaluation of micronutrients in seeds of Pumpkin varieties grown by smallholder farmers in the Lake Victoria Basin. *African Journal of Food Science and Technology.* ((ISSN: 2141-5455, 4(11):71-81
3. Echessa A.C. P., Nyambaka H., Ondigi N. A., Omuterema S., Toili W., Afihini S. M. and Sande A (2013); Variation of micronutrients in pumpkin fruit varieties grown by smallholder farmers within Lake Victoria Basin. *Journal of Food Science and Quality Management.* ISSN 2225-0557, 17: 221-228

4. Echessa A.C. P., Nyambaka H., Ondigi N. A., Omuterema S., Toili W., Afihini S. M. and Sande A (2013): Evaluation of pumpkin varieties grown in the Lake Victoria basin and determination of micronutrients in their leaves. *Global Journal of Pure and Applied Chemistry Research* (GJPACR ref. no. 121)..
5. A. S. Andayi, P. G. Okoth and E. M. Neyole, (2011). Widows in relation to HIV and AIDS infection in Butere/Mumias; Socio-Cultural challenges. *International Journal of disaster management and risk reduction* (Int. j. disaster manag risk reduct.-ISSN: 1992-2744), 3(2): 34-42
6. Nasimiyu, G., Opati, W., Sande, A. and Musee, J., (2010). Role of Administration officers in Disaster Management in Kenya. *International Journal of disaster management and risk reduction* (Int. j. disaster manag risk reduct.-ISSN: 1992-2744), 3(1): 104-108

#### **SUPERVISION**

SN	Name of Student	Title of Thesis
1.	Rashid Muhumed Muktar	MSc. Thesis. Title: Youth and Violence: Exploration of Predisposin Factors in Garissa County, Kenya
2.	Eliud Mtwiri Festus	MSc. Thesis. Title: Effectiveness of Cash Transfer Programme in promoting the Welfare of Orphans and Vulnerable Children in Secondary Schools in Embu East Sub County, Kenya.
3.	Jane K Nyaga	Msc. Thesis. Title: The Relationship between Women Literacy and Household Food Security; A Case of Igambang'ombe Division Tharaka-Nthi County, Kenya.



### **Christopher Nkonge Kiboro**

**Designation :** Assistant Lecturer

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**Department:** Arts and Humanities

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cnkonge@chuka.ac.ke OR kiboro82@gmail.com

## **EDUCATION**

Ph.D. in Sociology (On-going), University of Nairobi

Master of Arts (Rural Sociology and Community Development), University of Nairobi

Bachelor of Arts in Sociology and Political Science, University of Nairobi

## **FIELD OF SPECIALIZATION**

Sociologist

## **WORK EXPERIENCE**

2012 Nov. to date: Assistant Lecturer (Chuka University)

Jan 2010-Sep. 2011: PREMESE Africa Development Institute Lecturer and Deputy Principal (Academics)

April 2009-Oct. 2009: Director of Training-Tharaka Vocational Training and Development Centre

July 2008-March 2009: Executive Director-Tharaka Vocational Training and Development Centre

## **KEY RESEARCH PROJECTS**

1. 2014-2017: Impact of Social Capital on the Resettlement of Internally Displaced Persons in Kenya. Ph.D Thesis.
2. Nov 2014 to-date: Associate Researcher with The Laboratory for Comparative Social Research (LCSR) in Russia. “The Role of Social Capital in Improving People’s Well-being in Africa: A Cross-country Analysis”.
3. June 2014 to-date: Member of the committee appointed by the Vice Chancellor to conduct surveys within the university
4. June 2013: Rapporteur for African Women Studies Centre for the University of Nairobi on a study on “National Food Baseline Survey in Kenya”.
5. 2012 April: Research Assistant on a study entitled “Capacity building and advocacy for small and medium women owned enterprises in Kenya”.
6. May-June 2007: Research Assistant: Institute of Policy Analysis and Research on ‘The extent and impact of HIV/AIDS on the teaching force in Kenya’.
7. 2006-2007: Researcher with COL’OR ONlus (An Italian NGO) on socio-economic profile of Tharaka District.

## **RECENT PUBLICATIONS**

1. Lynnette M. Mwari and Christopher N. Kiboro (2016) “Impact of Land Use Changes on Wildlife Population in Nairobi National Park and Kitengela Dispersal Areas in Kenya”, *International Journal of Science and Research*, 5(8): 462-465.
2. Christopher N. Kiboro; Octavian O. Gakuru, Josephine Misaro, Samson W. Mwangi (2014) “Role of Social Work in Minimizing Sexual and Gender Inequalities”, *Research on Humanities and Social Sciences*, 4(14): 84-88.
3. Josephine Misaro, Mellitus N. Wanyama, Fred Jonyo, Jennifer Birech, Christopher N. Kiboro (2014) “Collateral Strategies for Poverty Reduction in Kenya: Prospects and Challenges”, *Journal of Economics and Sustainable Development*, 5(12): 1-8.
4. G.G Wairire and C.N. Kiboro (2014) “Social Work Perspectives in Poverty Reduction and Social Development in Kenya,” In: H. Spitzer; J.M. Twikirize and G.G. Wairire (Eds) *Professional Social Work in East Africa: Towards Social Development, Poverty Reduction and Gender Equality*. Kampala: Fountain Publishers. Pg. 217-231. ISBN: 978-9970-25-367-8 (Paper Back) ISBN: 978-9970-25-370-8 (eBook).

## **RESEARCH INTEREST**

Social capital and its role in solving community problems, gender inequalities, environmental conservation and climate change, social development.

**Mr. Paul Njoroge Muiru**

**Designation :** Assistant Lecturer,

**Faculty:** Arts and Humanities

**Department:** Arts and Humanities

Chuka University P. O. Box 109-60400 Chuka, Kenya

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**Email:** muirup3@gmail.com/ muirup36@yahoo.com

**EDUCATION**

Ph.D. (History) Ongoing, Kenyatta University

Master of Arts (History), Kenyatta University

B.Ed. (Arts), Kenyatta University

**FIELD OF SPECIALIZATION**

History

**WORK EXPERIENCE**

October 2007-January 2014: Graduate Teacher, Teachers' Service Commission

February 2014-Jan 2015: Tutorial Fellow, South Eastern Kenya University

February 2015 to date: Assistant Lecturer, Chuka University.

**KEY RESEARCH PROJECTS**

2010-2012: Social, Cultural & Economic Impact of Ethnic Violence in Molo Division

February 2015 to date: The Mau Mau War in Chuka

**RECENT PUBLICATIONS**

1. Muiru, P. N. 2016. Kissing the Cadaver: Elite Manipulation and Ethnic Violence in Kenya, 1960-2008. *The International Journal of Humanities and Social Studies.* 4(9):189-196
2. Muiru, P. N. & Muraya, M. W. (2016). Lost Opportunity: Peace Building Initiatives in Molo Division, 2008-2014. *International Journal of Arts and Humanities.* 2 (3) June 2016.

**RESEARCH INTERESTS**

Ethnic conflicts, political & electoral processes in Africa, mau mau revolt in Kenya

**COMMUNITY SERVICE**

Patron in several youth groups among Seventh Day Adventists



### Catherine Wairimu Thiong'o

**Designation:** Assistant Lecturer,

**Faculty:** Arts and Humanities

**Department:** Arts and Humanities

Chuka University, P. O. Box 109-60400, Chuka, Kenya

**Mobile:** +254724329258

**Email:** cwthiongo@gmail.com

## EDUCATION

Master of Arts: Project Planning and Management University if Nairobi

Bachelor of Arts: Community Development Daystar University

## FIELD OF SPECIALIZATION

Community Developer/ Assistant lecturer

## WORK EXPERIENCE

2010-2014 (September): Ministry of Interior and Coordination of National Government: Assistant County Commissioner

2014 (October)-2015 (March): Nairobi City County Government: Ward Administrator

2015 to current: Chuka University: Assistant Lecturer

## KEY RESEARCH PROJECTS

Determinants of academic performance in public day schools in Meru Central Sub - county

## RESEARCH INTERESTS

Community issues in relation to women empowerment, youth participation, peace and sustainable development



### **Jackson Gikunda Njogu**

**Designation:** Lecturer and Literature Coordinator

**Faculty:** Arts and Humanities

**Department:** Arts and Humanities

Chuka University, P. O. Box 109-60400, Chuka, Kenya

**Mobile:** +254 720 660077

mwanoba@yahoo.com or mwanoba@gmail.com

## **EDUCATION**

PhD Candidate, Chuka University

Master of Arts in Literature, Kenyatta University, Kenya

Bachelor of Arts in (English and Literature), Egerton University

Certificate in Comparative Education and Cultures, Karlstad University, Sweden

## **FIELD OF SPECIALIZATION**

Literary Aesthetics, Literary theory, African and Caribbean Literatures, European Literatures, World Literature, Education, Cultural studies and Research

## **WORK EXPERIENCE**

2015 to date: Lecturer and Head of Literature section, Chuka University

2012-2015: Examinations Officer, Dept. of Arts and Humanities

2009-2010: Lecturer and Coordinator, Literature program, Chuka University

2009-2010: Adjunct Lecturer, Dept. of Literature, Kenyatta University

## **KEY RESEARCH PROJECTS**

1. Gikunda, J.N (2016) *Drama and Exile in East Africa: Reflections on Ruganda and Uganda*. Lambert Academic Publishing. UK.
2. Gikunda, J.N (2009) *Theory and History of Literature*, Kenyatta University. Nairobi.
3. Gikunda, J.N & A. Kinya (2013) “Cultural Alienation and the Concept of Exile in Covenant with Death” *International Journal of Education and Research* Vol. 1 No. 8. Australia
4. Gikunda, J.N (2016) “Drama and Orality in Kenya’s Radio Advertising” in *Chuka University Third International Conference Journal*. Chuka University



### **Mr. Eston Kamau Warui**

Designation: Assistant Lecturer

Faculty: Arts and Humanities

Department: Criminology and Security Studies

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Email: [ekwarui@chuka.ac.ke](mailto:ekwarui@chuka.ac.ke) or [warui100@gmail.com](mailto:warui100@gmail.com)

## **EDUCATION**

Master of Arts in Applied Criminology, Probation and Youth Justice Middlesex University, London

Probation Officer Training course Kenya Institute of Administration

## **FIELD OF SPECIALIZATION**

Community based Offender Rehabilitation and Management

## **WORK EXPERIENCE**

2011-2016: Assistant Lecturer, Chuka University

1986-2010: Probation officer Trainee to Chief Probation officer in the Civil Service

## **KEY RESEARCH PROJECTS**

Year 2005: A critical analysis of multi-agency public protection approach to sexual and violent offenders

## **RESEARCH INTERESTS**

‘A futile exercise?’: An analysis of the effectiveness of work-training programmes within the Kenya Prison Service and their effect upon reoffending rates

Work undertaken by inmates in Kenyan Prisons: A consideration of whether it is an appropriate means of control, forced labour or a rehabilitation measure

Public perceptions of the role of ‘nyumba kumi initiatives’ as a Crime prevention arrangement in Kenya.

Arson against educational institutions, committed by High School students: An evaluation study

**Mr. Job Chebai Mulati**

**Designation:** Assistant Lecturer

**Faculty:** Arts and Humanities

**Department:** Arts and Humanities

Chuka University, P. O. Box 109-60400, Chuka, Kenya

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**EDUCATION**

PhD Student, Masinde Muliro University of Science and Technology

MA, University of Nairobi

BA, Egerton University

**FIELD OF SPECIALIZATION**

History

**WORK EXPERIENCE**

September 2012 to date: Assistant Lecturer, Chuka University

April 2005-November 2012: Social Welfare Officer, Ministry of Health

1995-1996: Tutorial Classes, University of Nairobi

**KEY RESEARCH PROJECTS**

October 2016: Influence of Indigenous Peace Building Strategies in the Management of Interethnic Conflicts for Sustainable Development in Bungoma County, Kenya

September 2016: Sikhs' Social Role and Their Impact in Kenya's Sustainable Development, (1895-1990)

July 2016: Sikhs' Race Relations and Their Impact on Inter-racial Marriages in Colonial and Post Kenya, (1890-1990)

October 2015: An Assessment of Agricultural Revolution for Development and Social Integration in Global Perspective

1997-1999: The Sikhs in Kenya: A Study of Their Social, Political and Economic Impact 1890 to the Present

**RECENT PUBLICATIONS**

Naomi Keeru kithure, Eric Mwenda E.G, Martha W.M & Mulati, J (2013) The Impact of Samburu Culture on the Development of Western Education in Samburu Community during the Colonial period In Kenya. *Research on Humanities and Social Sciences* 3(21): 128-133

**RESEARCH INTERESTS**

Ethnic conflict and Peace building



### **Dr. Caroline Mucece Kithinji**

**Designation:** Assistant Lecturer

**Faculty:** Arts and Humanities

**Department:** Arts and Humanities

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kithinjimc@gmail.com

## **EDUCATION**

Ph.D. in History and Political Science, Chuka University

MA in History, Chuka University

Bed History and Religious Studies, Moi University

## **OTHER SHORT COURSES**

June 2004: Basic counselling skills

May 2005: HIV/AIDS counselling skills

February 2008: Teacher education management

February 2008: Trained as an auditor

April 2008: Kenya adolescent reproductive health

July 2008: Civic education for schools and colleges

Sept 2009: Quality management systems; implementation of the iso 9001:2008

November 2010: Public Procurement and Disposal Act 2005 and Regulation 2006

August 2012: Intel teach getting started course

May 2013 Teacher professional development

## **FIELD OF SPECIALIZATION**

History and Political Science

## **WORK EXPERIENCE**

2014 to date: Assistant Lecturer, Chuka University

1998-2013: COD Social Sciences, St. Lawrence Egoji Teachers' Training College

1992-1997: Graduate teacher, Chogoria Girls High School

## **KEY RESEARCH PROJECTS**

2013: Impact of colonialism on traditional African marriage among the Igoji people of Kenya (1952–2010)

2016: Social exclusion and poverty of the Thagichu of Igembe, Meru County Kenya from 1907 to 2015

## **RECENT PUBLICATIONS**

1. Kithinji, M.C., Okelo, D.O. & Muriungi. C.K. 2016. A History of Social Exclusion and Poverty of the Thagichu of Igembe Sub-County, Meru County

- from 1907 to 1962. *Bilaspur: International Journal of Innovative Research and Development. ISSN 2278-0211*
2. Kithinji, M.C., Okelo, D.O. & Muriungi. C.K. 2016. Pre-Colonial History of the Thagichu. *Bangladesh: International Journal of Education and Research. ISSN 2411-5681*

#### **POST GRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis title	Years	Status
1	Isaac Kathio	the changing trends in male rite of passage among the Ameru of Nkuene Divison in Imenti south sub county from 1963 to 2015	2011	Continuing
2	Ogero Wilfred Joseck	teacher unions and student strikes 1957 to 2015	2013	Continuing
3	Ikamati James Karithi	Understanding the complexity of aggressively competitive nature of relationship among the Samburu and Turkana of archers post	2015	Continuing
4	Gichoni Paulino Njeru	Traditional industries among the Mbeere	2015	Continuing

#### **RESEARCH INTERESTS**

Social, political and economic history (Social Sciences)



### **Ms. Purity Rima Mbabu**

**Designation:** Assistant Lecturer/Section Head, Geography

**Faculty of Arts and Humanities**

**Department** of Arts and Humanities

Chuka University, P. O. Box 109-60400, Chuka, Kenya

**Mobile:** 0715826653

prima@chuka.ac.ke or purityrima@yahoo.com

## **EDUCATION**

PhD in Climate Change and Adaptation, Ongoing; joint University of Nairobi& University of Bern, Switzerland

Masters of Science in GIS & Remote Sensing for Natural Resources Management, University of Twente, Netherlands

BA in Geography, Moi University

## **FIELD OF SPECIALISATION:**

Lecturer in Geography, GIS and Remote Sensing, Natural Resource Management, Environment, Climate Change, Biodiversity,

## **WORK EXPERIENCE /EXTERNAL EXAMINATION**

2013 to date: Assistant Lecturer, Chuka University, Karatina & Kenyatta University

2012-2013: Geospatial Analyst Ramani Geosystems-Wilson Airport, Kenya

2009/2010: GIS Analyst, Green Belt Movement, Nairobi

## **KEY RESEARCH PROJECTS**

2015-2018: Woody Weeds Project (EA)

Woody Weeds in East Africa: Assessing and mitigating their negative impacts on biodiversity, ecosystem services and rural livelihoods'

## **RECENT SELECTED PUBLICATIONS:**

1. **Mbabu, P.R.**, Hussin, Y.A, Weir, M., & Gilani, H. (2014). Quantification of carbon stock to understand two different forest management regimes of Kayar Khola watershed, Chitwan, Nepal. *Journal of the Indian Society of Remote Sensing*. DOI 10.1007/s12524-014-0379-3
2. Ng, W.T, Rima, P.M., Einzmann, K., Immitzer, M., Atzberger, C., and Eckert,S. (2016). (forthcoming). Assessing the potential of Sentinel-2 and Pléiades data for the detection of *Prosopis* and *Vachellia* spp. in Kenya. *Journal of Remote Sensing. Special Issue Sentinel-2*.
3. Rima, P.M., Ng, W.T., Eckert, S., Gichaba, M., Choge, S., Vuolo, F., Schaffner, U. (2016). (forthcoming) Understanding the evolution of biological invasions to target management: Historical geospatial extents and dynamics of *Prosopis* species invasion in Baringo Kenya. *Frontiers Journal of Environmental Informatics*

## **RESEARCH INTERESTS**

### **Climate change:**

Impact of climate change on biological invasions, biodiversity and ecosystem services, food production and food security

Climate change adaptation and mitigation in agriculture, environment /forestry and energy sectors

Carbon fluxes and greenhouse gas emissions, REDD+

### **Natural Resources Management (NRM):**

Development and Sustainable Resource management

Resource use conflicts in ASAL areas

Natural resources for sustainable management, Land-use Land-cover mapping

Biodiversity and Ecosystem services

Environmental Conservation



### **Dr. Humphrey Kirimi Irei**

Designation: Lecturer

Faculty: Arts and Humanities

Department: Arts and Humanities

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## **EDUCATION**

PhD in Linguistics, Chuka University

Master of Arts in English Language and Linguistics, Egerton University

B.Ed. (English and Literature), Egerton University

## **FIELD OF SPECIALIZATION**

Linguistics and Communication

## **WORK EXPERIENCE**

2015 Dec to Date: Lecturer and Coordinator of Course Allocations and Field Attachments, Department of Arts and Humanities, Chuka University

2015 Jan to 2015 Dec: Assistant Lecturer, Chuka University

2007 to 2014: Teacher and Head of English Department, Ikuu Girls Secondary School

2005 to 2007: English as a foreign Language (EFL) Instructor with Care International at Dadaab Refugee Camp

2004 to 2005: Short Term Experience in Ministry (STEM) Staff with Fellowship of Christian Unions (FOCUS) Kenya

## **KEY RESEARCH PROJECTS**

2011 Misinterpretations in English-Kimuthambi Church Sermons: A Case of Pentecostal Churches in Muthambi Division, Kenya

2015 A Pragmatic Analysis of Persuasion and Emphasis in Kimuthambi

## **RECENT PUBLICATIONS**

1. Irei, H.K., Muriungi, P.K., Waita.Z. N. &, Muriungi.C.K. 2016. Strategies Used for Emphasis in Kimuthambi. Advances in Social Research Journal. 3(7) 118-132.
2. Irei, H.K., Muriungi, P.K., Waita.Z. N. &, Muriungi.C.K. 2015. Speech Acts Features of Kimuthambi Utterances used for Persuasion. International Journal of English Language, Literature and Humanities. 3(7) 2321-7065
3. Irei, H.K., Muriungi, P.K., Waita.Z. N. &, Muriungi.C.K. 2015. Strategies Used for Persuasion in Kimuthambi. Journal of Literature, Languages and Linguistics. 15 (2015) 2422-8435.
4. Irei, H.K., Muriungi, P.K., Waita.Z. N. 2012. Misinterpretations in English-Kimuthambi Church Sermons. English Linguistics Research. 1(2) 1927-6036.

## **POSTGRADUATE STUDENTS SUPERVISED/ SUPERVISING**

SN	Name	Thesis Title	Year	Status
1	Diana Kananu Kaburo	A Minimalist Analysis of Noun Phrase Movement in Kimuthambi, A Bantu Language Spoken in Kenya	2013	Graduated 2016
2	Elsie Njeri Kirimo	Discourse Markers in Gichuka Social Events' Speeches	2013	Continuing
3	Mercy Kagwiria Mbui	The Discourse of Kenya Commercial Banks Television Advertisements	2014	Continuing
4	Margaret Gacheri Kiruki	The Language of Male Dominance in Kiimenti	2012	Continuing
5	Geoffrey Tabulu Etirikia	Variations in Religious Registers in Teachers Training Colleges of Upper Eastern Counties of Kenya	2011	Continuing
6	Charity Ruguru Kiarago	Presuppositions in Kiembu Popular Songs: A Pragmatic Analysis	2014	Continuing
7	Linus Mgendi Ireri	Climate Variability and Adaptation Capacity of Mixed Crop - livestock Farmers in Embu East Sub - county, Embu County, Kenya.	2014	Continuing

## **RESEARCH INTERESTS**

Semantics and Pragmatics  
 Discourse analysis  
 Translation and Interpretation  
 Communication in leadership



### **George Manono Areri**

**Designation:** Assistant Lecturer

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## **EDUCATION**

Ph.D. Ongoing (Kisii University)

Master of Psychology

BA in Psychology

## **FIELD OF SPECIALIZATION**

Psychologist, Lecturer, and Counselor

## **WORK EXPERIENCE**

1. 2015 to date: Assistant Lecturer
2. 1998 to 2014: Manager, Western Kenya Region, Kenya Association of Professional Counselors
3. 2002 to 2014: Counselors Trainer and Counselors Supervisor, Kenya Association of Professional Counselors
4. September, 2004 to February 2005: International Trainer in Counselors Supervision course for Ministry of Health staff, Asmara, Eritrea sponsored by Family Health International-Eritrea.
5. June 4<sup>th</sup> to 8<sup>th</sup> 2012: Consultant, National Committee to Standardize training materials for HIV Testing and Counseling for Couples, organized by NASCOP. Reviewed and standardized manuals to be used to train HTC service providers
6. May 2009 to March 2010: International Consultant, development of Counselor Supervision Training manuals for Ministry of health staff, Botswana and trained group of 15 TOT/Counselor Supervisors for Ministry of Health in Botswana
7. November 28<sup>th</sup> to 29<sup>th</sup> 2005: International Consultant, Technical Support to develop Training curriculum for a VCT Services Management Course, AIC Kampala, Uganda.

## **KEY RESEARCH PROJECTS**

2016. Psychosocial Challenges to Sustainable Development in Embu, Tharaka-Nithi and Meru Counties: Psychosocial Issues Reported Between June, 2015 and June 2016. (George Manono and Kenneth Mwiti)

## **RESEARCH INTEREST**

Psychology of the self, health psychology, community psychological wellbeing, child and youth psychology



**Allan Mwangi Njoki**

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## **EDUCATION**

Master of Arts in Journalism and Mass Communication: Ongoing

BA in Communication and Media

## **FIELD OF SPECIALIZATION**

Journalism

## **WORK EXPERIENCE**

Teaching assistant,

## **KEY RESEARCH PROJECTS**

Listeners' perception of sex talk on Kenyan vernacular FM radio: A case study of Inooro FM and Kameme FM

## **RESEARCH INTEREST**

Radio broadcasting

**John Mwaura Ireri**

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**EDUCATION**

Master of Library and Information Science

B.Ed. in Library Science and Special Education

Dip. in Education (Biology and Agriculture)

**FIELD OF SPECIALIZATION**

Information Scientist

**WORK EXPERIENCE**

HoD Information Studies Dept (KTTC)

Deputy HoD Information Studies Dept (KTTC)

KNEC Chief SNE Examiner

Teacher and Section Head Technical Subjects Njonjo Girls High School

KNEC KCSE Examiner

**KEY RESEARCH PROJECTS**

Challenges of Utilization of Electronic Information Resources and Services (EIRS) in Kenya: a case of selected academic libraries

**RESEARCH INTEREST**

Extent of use of libraries by secondary school students



### **Enock Seme Matundura**

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## **EDUCATION**

PhD in Kiswahili literature (ongoing), Kenyatta University

M.A. (Kiswahili), University of Nairobi (2005-2007)

B.Ed. (Arts), Moi University (1994-1999)

## **FIELD OF SPECIALIZATION**

Kiswahili literature, literary theory and translation

## **WORK EXPERIENCE**

Translator

## **KEY RESEARCH PROJECTS**

2002-2007: Editor (Translation), Kenya Broadcasting Corporation (KBC)

2008-2009: Reporter, Nation Media Group (NMG), Nairobi

2010-2012: Assistant Lecturer, Chuka University

2013 to date: Lecturer, Chuka University

## **KEY PROJECTS (SELECTED)**

2009: Key editor, *Kamusi ya Karneya 21*, Longhorn Publishers

2009: Translator, the Harmonized Draft Constitution of Kenya from English to Kiswahili, which was published on 17<sup>th</sup> November 2009 by the Committee of Experts on Constitutional Review pursuant to section 32 (1)(a) of the Constitution of Kenya Review Act, 2008

2010: Translation of 47 County Edition features for Nation Media Group, serialized in *Taifa Leo*.

2010-2014: Translated eleven (11) books for Oxford University Press.

2016: Consulted for Leigh Day Law Firm in Britain

## **RECENT PUBLICATIONS**

1. Matundura, E. 2010. *Kivuli cha Sakawa*. Toronto: Nsemia Inc. Canada ISBN 9781926906003.
2. Matundura, E. 2001. *Mkasawa Shujaa Liyongo*. Nairobi: Phoenix Publishers Ltd. ISBN 9966472274
3. Matundura, E. *Musa*. Nairobi: Oxford University Press. ISBN 978 0195738063
4. Matundura, E. (2013) *Musa na Mildred*. Nairobi: Oxford University Press. ISBN 978 019 573810 0

5. Matundura, E. (2013). *Adhabuya Joka*. Nairobi: Longhorn Publishers
6. Matundura, E. (2013). *Musa na Pepo*. Nairobi. Oxford University Press. ISBN 978 019 573828 5
7. Matundura, E. (2013). *Musa Mashakani*. Nairobi: Oxford University Press. ISBN 978 019 5738087
8. Matundura, E. (2013). *Musa na Watekanyara*. Nairobi: Oxford University Press. ISBN 978 019 573807 0
9. Matundura, E. (2013). *Musa kwenye Sokomoko*. Nairobi: Oxford University Press. ISBN 978 019 573829 2
10. Matundura, E. (2013). *Musa Kwenye Harakati*. Nairobi: Oxford University Press. ISBN 978 019 573967 1
11. Matundura, E. (2013). *Musa na Rafikiwa Barua*. Nairobi: Oxford University Press. ISBN 978 019573964 0
12. Matundura, E. (2014). *Musa Mpiga kambi*. Nairobi: Oxford University Press. ISBN 978 019 573968 8
13. Matundura, E. (2014). *Musa na Bahati Nasibu*. Nairobi: Oxford University Press. ISBN 978 019 573970 1
14. Matundura, E. (2013). *Musa na Shamba la Shule*. Nairobi: Oxford University Press. ISBN 978 019 573963 3

#### **POST – GRADUATE STUDENTS SUPERVISED**

Name	Thesis title	Status
1 Alfred Munene Salesio (AM 12/52/08)	Uainishajiwu Mofimuza Kisarufi katika Kitenzi cha Lahaja ya Kichuka.” Idaraya Sanaa na Fani, Chuo Kikuu cha Chuka.	Graduated, 2011
2 Rosemary Njeri Burundi (AM 12/50/07)	Usimulizikatika Utensi wa Swifaya Nguvumali: Idaraya Sanaa naFani, Chuo Kikuu cha Chuka.	Graduated, 2011
3 Ruri, Ngima Margaret: (AM 12/41/05)	Konsonanti katika Lahaja ya Kindia.	Graduated
4 Muembu, Kimathi Nguma: (AM12/0056/08) (2012)	‘Uasilishajiwu Manenoya Kigeni katika Lughaya Kimeru: Mfano wa Lahajaya Kitharaka’	Graduated
5 Nkanatha, John Kimathi	Usawiriwa Mwanamkena Watunziwa Tamthilia Nchini Kenya: Mfanowa Tamthiliaza <i>Uasi, Mama Ee Na Chamchela.</i> ’	Graduated
6 Ndwigga, James Muchangi: AM12/03623/10	Uchanganuziwa Mchongoano Katika <i>Taifa Leo</i> Kama Sanaa ya Vichekesho vya Urekebishaji Jamii	Graduated
7 Kang’e, Ambrose Ngesa: AM12/03588/10	Mwingilianomatini katika Tamthiliaya Kiswahili: Mfano wa <i>Mashetanina Kijiba cha Moyo</i> .	Graduated

8	Thuranira, Kinyua Kenneth: AM12/2013/09	Nyazogandeza Uana katika Hadithi Fupiza Kiswahili.	Graduated
9	Mwenda, Samuel: AM12/02005/09	Athariza Jinsia Katika Mielekeo ya Kupendelewa kwa Kiswahili na Umuhimu wake Katika Matokeo ya Mitihani: Tathmini ya Shuleza Upili Wilaya ya Igembe Kaskazini, Kauntiya Meru - Kenya.	Graduated 2015
10	Miriti, Augustine Kirimi: AM12/11708/13	Mwonoulimwengu katika Methaliza Wamuthambi	Graduated 2016

## PATENTS

I was granted translation rights by Barbara Kimenye, the writer of eleven (Moses series) books published by Oxford University Press. The translations have since been translated into Kiswahili under the ‘Visa naVitukovya Musa series’ published by Oxford University Press.

## RESEARCH INTEREST

Literary Translation  
Lexicography and Lexicology  
Children’s Literature



### **Martha Wanjiku Muraya**

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## **EDUCATION**

Ph.D. in History in progress, Chuka University

MA in History, Kenyatta University

Bachelor of Education, Catholic University of Eastern Africa

B.Sc. in Wildlife Management, Moi University

## **FIELD OF SPECIALIZATION**

Historian

## **WORK EXPERIENCE**

Lecturer, Chuka University

Assistant Lecturer: Mwenge Catholic University, Moshi, Tanzania

## **KEY RESEARCH PROJECTS**

2015 to present Colonialism in Kenya and Its Implications on the Agikuyu Women's Indigenous Knowledge Systems on Food Crop Production (1920-1963)

2006-2008 Colonial Transformation of Female Circumcision and its Impact on Women's Roles and Gender Relations among the Agikuyu of Kiambu (1895 To 1963)

## **RECENT PUBLICATIONS**

1. Muiru P. and Martha M. 2016. Lost Opportunity; Peace Building Initiatives in Molo Division, Kenya. International Journal of Arts and Humanities. 2(3).
2. Martha Wanjiro Muraya. 2015Mau Mau War, Female Circumcision and Social-Cultural Identity among the Agikuyu of Kiambu, Kenya. International Journal of Culture and History, Macro-think Institute. 2(2)
3. Colomba, K. And Martha M. A Historical Overview of the Representation of Female Character in Children's Fiction in Kenya. International Journal of Liberal Arts and Social Science, 2(6)168-177
4. Martha, M. and Colomba, K. 2014. Historical analysis of the role of female circumcision in the construction of gender roles, values and relations among the agikuyu people of Kenya. International J. Arts and Arts History, (1):27-46
5. Naomi. K, Eric M, Martha M, and Job Mulati. 2013. The Impact of Samburu Culture on the Development of Western Education in Samburu Community during the Colonial period in Kenya. Research on Humanities and Social Sciences, 3(21).

**RESEARCH INTEREST**

Economic History, Agricultural history, gender and women history, African cultural history, politics thought and government and constitutional history.



### **Jane N. Mukuha**

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## **EDUCATION**

Ph.D. in Religious Studies, Catholic University of Eastern Africa-Ongoing

Master of Arts in Religious Studies, Catholic University of Eastern Africa

B.Ed., Catholic University of Eastern Africa

## **FIELD OF SPECIALIZATION**

Religious Studies, Assistant Lecturer

## **WORK EXPERIENCE**

Jan.2015-Present: Assistant Lecturer Chuka University

May 2012-2015: Part-Time Lecturer Egerton University

Dec. 2013-2015: Part-Time Lecturer Machakos University

1999-2015: National Coordinator Human life International (HLI)-Kenya

1999-2006: Administrator Family Life Counseling Association of Kenya (FLCAK)

1997-1998: Lecturer Catholic University of Eastern Africa

## **KEY RESEARCH PROJECTS**

1994-Maryknol Research Institute as a Field Research assistant on African Traditional Cultures

## **RESEARCH INTERESTS**

African Traditional Cultures, Youth empowerment and actualization, Marriage and Family Issues

**Kenneth Mwiti Murungi**

**Designation:** Assistant Lecturer/Section Coordinator, Community Development

**Faculty:** Arts and Humanities

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**EDUCATION**

PhD. in Development Studies, JKUAT, Ongoing

Master of Arts in Project Planning and Management University of Nairobi

B.Sc. in Community Development, Egerton University

**FIELD OF SPECIALIZATION**

Community Development, Project Planning & Management, Monitoring and Evaluation, Gender & Development, Teaching and Research

**WORK EXPERIENCE**

Lecturer, Project Manager, Consultant, Community Development Officer

**KEY RESEARCH PROJECTS**

2012-13: Influence of charitable children's institutions of child welfare: Case of Meru

2015-16: Psychosocial challenges to sustainable development in Embu, Tharaka Nithi and Meru Counties: Psychosocial issues reported between June, 2015 and June 2016.

**RESEARCH INTERESTS**

Research interests in Sustainable Development

**Edward Okana Odera**

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edu.okana@yahoo.com

**EDUCATION**

Master of Arts Journalism and Mass Communication

Bachelor of Arts Mass Communication and Media

**FIELD OF SPECIALIZATION**

Journalism

**WORK EXPERIENCE**

2014 to date: Teaching Assistant

**KEY RESEARCH PROJECTS**

Influence of online journalism on news access and choice

**RESEARCH INTERESTS**

Online journalism



### Dickson Kinoti Kibetu

**Designation :** Assistant Lecturer,

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## EDUCATION

Master of Science in Geospatial Information Systems and Remote Sensing, JKUAT

Bachelor of Arts in Geography, Moi University

## FIELD OF SPECIALIZATION

Geography, GIS and Remote Sensing

## WORK EXPERIENCE

September 2012-Present: Assistant Lecturer of Geography, Chuka University

July 2009-Oct 2010: Research Assistant, Department of Geography, Moi University

March 2013-September 2014: Geography Section Coordinator, Department of Arts and Humanities, Chuka University

April 2015-present: Technical Examiner, The Kenya National Examinations Council

May 2011-January 2012: GIS Training Coordinator, JapakGIS Ltd-Nairobi

## KEY RESEARCH PROJECTS

2016 Use of aridity index and remote sensing to assess impact of land use land cover change on food production amongst small-scale farmers in Tharaka Sub-county.

2015 Fresh Produce Value Chain supply in the face of Climate Changes and global Marketisation: Case study of Mount Kenya Region (University of Cologne and Karatina University International Joint Value Sec Research Project)

2009 Environmental Management Standards for export horticultural produce in Kenya: Case study of horticultural farmers in Mt. Kenya Region (University of Humboldt and Moi Joint International Research Project)

## RECENT PUBLICATIONS

1. Kinoti, D. K., Wanja, C.K., Muthoni, J.M. 2014. Advancing the frontiers of spatial thinking: Using GIS across Curriculum in teaching and Learning. *Scholarly Journal of Education* 3(6):62-69.

## RESEARCH INTERESTS

Spatial Analysis and Visualization; Geo statistics and Modeling; Geo Literacy; Urban Ecology; Change Analysis Studies



### **Crispin Isaboke**

**Designation :** Assistant Lecturer,

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## **EDUCATION**

PhD in Moral Philosophy (ongoing), The Catholic University of Eastern Africa

Master of Arts in Philosophy, Catholic University of Eastern Africa (2003-2005)

Bachelor of Arts in Philosophy, Catholic University of Eastern Africa (2002-2003)

Bachelor of Arts in Philosophy, Spiritan Missionary Seminary, Arusha Tanzania,

Affiliate of the Catholic University of Eastern Africa (1999-2001)

## **FIELD OF SPECIALIZATION**

Philosophy (Moral Philosophy/ Ethics)

## **WORK EXPERIENCE**

2006-2009: Lecturer of Philosophy at St. Augustine's Peramiho Major Seminary, Songea, Tanzania

2009: Lecturer of Philosophy at the Spiritan Missionary Seminary, Arusha, Tanzania

2010-2013: Assistant Lecturer, St. Augustine University of Tanzania

2013-2014: Part-time Lecturer, Egerton and Catholic Universities

2014-to date: Assistant Lecturer at Chuka University

## **KEY RESEARCH PROJECTS**

2013 To date: A critical analysis of Aristotle's virtue ethics: In Search a foundation of moral integrity (on-going)

2012 To date: A Basic Text for Philosophy: An Introduction (On-going)

2015: Teaching ethics in higher education: Searching for a national moral conscience

## **RESEARCH INTERESTS**

Ethics and Integrity

Metaphysics

**Henry Nkoru Nabea**

**Designation :** Assistant Lecturer/Coordinator, Communication & Media Studies)

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Email: nnabea@chuka.ac.ke

**EDUCATION**

Ph.D. Ongoing

Master of Arts in Communication Studies

Bachelor of Arts

**FIELD OF SPECIALIZATION**

Journalist

**WORK EXPERIENCE**

2010-Present: Assistant Lecturer, Chuka University

2005-2010: Assistant Lecturer, East African School of Media Studies

1997-2004: High School Teacher

**RESEARCH INTERESTS**

Journalism/ Mass Communication/Public Relations/ Advertising/ Photography

	<b>Dr. Teresa Wambui</b> <b>Designation :</b> Lecturer <b>Faculty:</b> Arts and Humanities <b>Department:</b> Arts and Humanities Chuka University, P. O. Box 109-60400, Chuka, Kenya Mobile: +254715188791 Email: wambui241@yahoo.com
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## EDUCATION

Doctor of Philosophy in Philosophy  
 Master of Arts in Systematic Theology  
 BA in Religious Studies

## FIELD OF SPECIALIZATION

Lecturer of Philosophy

## WORK EXPERIENCE

Two years-Lecturer, USA  
 Three Years-Lecturer, JKUAT  
 Six Years-Lecturer, Chuka University  
 Three years-Secretary, Integrity Committee, Chuka University

## POSTGRADUATE STUDENTS SUPERVISED

SN	Name	Thesis Title	Year	Status
1	John Elungata	Causes of Land Dispute in Kenya: A case of Meru South District, Tharaka Nithi County Kenya	2011	Graduated, 2015
2	Jane Nkatha	The Relationship Between Women Literacy and Household Food Security: A case Study of Igambang'ombe Division, Tharaka Nithi County	2011	Graduated, 2015
3	Mohamud Moktar	Youth and Violence : Exploration of Predisposing Factors in Garissa Sub - county, Garissa County	2012	Graduated 2016
4	Eliud Mutwiri	Effectiveness of cash transfer programs in promoting the welfare of orphans and vulnerable children in secondary schools in embu East Subcounty.	2011	Graduated 2016
5	Wankiku Ngure		2013	Ongoing
6	Patrick Njamui		2013	Ongoing
7	Michael Tialal		2011	Ongoing



**Dr. Nancy Wangui Mbaka**

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## **EDUCATION**

Ph.D, Chuka University

M.A, Egerton University

BEd in Arts, Kenyatta University

## **FIELD OF SPECIALIZATION**

Sociolinguistics and Language Change

## **WORK EXPERIENCE**

2016-Present Lecturer: Chuka University

2012-2015-Assistant Lecturer: Chuka University

2010-2012: Part-time Lecturer: Chuka University College

2009-2010: HOD Clubs and Societies/ Form one class supervisor, Chuka High School

2005-2008: HOD Languages/Curriculum Mistress-Ndagani Sec. School

1993-2004: Teacher, HOD/ English, CU Patron-Ikuu Boys High School

1991-1993: Team Member / Later Leader-Trinity Fellowship

1988-1990: Teacher-Marigat Sec School.

## **KEY RESEARCH PROJECTS**

2010: The Implementation Status of Kenya's Language in Education Policy: A case Study of Selected Primary Schools in Meru South District-Chuka Division

2015: Language Change to Meet Modern Communicative Needs: An Analysis of Lexical Changes in Gichuka-A Kenyan Bantu Language

## **RECENT PUBLICATIONS**

1. Karuri, M, Mbaka, N. W.; & Peter, A. C. (2014c). *Pragmatics in Parenting: Language Strategies in Communicating Issues of Sexuality to Teenagers by Kenyan Parents*. Journal of Education and Practice, Vol 4, No 5, 122-128.
2. Mbaka, N. W.; Peter, A. C. & Karuri, M. (2013a). *Implementation Status of Kenya's Language in Education Policy: A case of Selected Primary Schools in Chuka Division, Meru South District, Kenya*. Journal of Education and Practice. Vol 4, No 23, 97-103.
3. Mbaka, N.W. 2015a. *Vowel Epenthesis as a Parameter Setting Strategy in Gichuka Loanwords*. Journal of Literature, Languages and Linguistics, 13:1-13

4. Mbaka, N. W. (2015b). *Classroom Discourse in a Multilingual Context. The Case of Selected Primary Schools in Chuka Division, Tharaka-Nithi County, Kenya*. Journal of Literature, Languages and Linguistics, Vol 12, 87-99.
5. Mbaka, N. W., Muriungi, P. & Muriungi, C., (2015c). *Consonant Substitution in Gichuka Loanwords*. International Journal of Humanities and Social Studies. Vol 3, Issue 8,100-109.
6. Peter, A. C., Mbaka, N. W. & Karuri, M. (2014b). *Composition Writing by Form Two E. S. L. Students. Journal of Education and Practice*. Vol 5 No 15, 55-65



### **Keith Kiswili Julius**

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### **EDUCATION**

Master of Arts in Medical Sociology, UON

Bachelor of Arts in Sociology, UON

### **FIELD OF SPECIALIZATION**

Medical Sociology

### **WORK EXPERIENCE**

2014 to date: Assistant Lecturer, Chuka University

2010-March 2014: Part-time Lecturer, Catholic University of Eastern Africa

2012-March 2014: Part time Lecturer, Marist International University

### **KEY RESEARCH PROJECTS**

The role of teachers' perceptions on sexual and HIV/AIDS education in Kenyan primary schools: A case study of Dagoretti division, Nairobi.

### **RECENT SELECTED PUBLICATIONS**

Ezekiel Mbitia Mwenzwa and Keith Kiswili. (2012). NEPAD from below: Towards Intra-Country Peer Review Mechanism (IPRM) in Kenya. Elixir Soc. Sci. 42:6394-6399

### **RESEARCH INTERESTS**

Sexual and reproductive health issues affecting the youth



### **Agnes Wamuyu Wamai**

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## **EDUCATION**

Ph.D. in Geography, Chuka University: Ongoing

Master of Science in Population Studies, University of Nairobi

B.Sc. in Geography, University of Nairobi

Certificate in Environmental Impact Assessments and Audit, Jomo Kenyatta University of Science and Technology

## **FIELD OF SPECIALIZATION**

Geographer with specialization in Human Geography

## **WORK EXPERIENCE**

2009 to date: Assistant Lecturer in Geography, Chuka University

March 2009-June 2009: Senior research assistant, City Council of Nairobi.

Project entitled, ‘Integrated solid waste Management Master Plan for Nairobi

‘Funded by United Nation Environmental Programme (UNEP)-My duties were, coordinating collection of socio-economic data, analysis and report writing.

## **KEY RESEARCH PROJECTS**

2015-Sept: Baseline Survey for Project affected persons on construction of stormwater drainage in Embu Town. Duties were data collection and analysis.

2015-June: Baseline Survey for improvement of slaughter off-farm infrastructures in Tharaka-Nithi County. Main duties were data collection and analysis.

2014-Oct: Baseline Survey for improvement of slaughter off-farm infrastructures in Makueni County. Main duties were data collection and analysis.

## **RESEARCH INTEREST**

Investigating how human population influence environmental management and planning



### **Naomi Keeru Kithure**

Designation: Lecturer

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### **EDUCATION**

Master of Arts in History, Egerton University

Bachelor of Education Arts, University of Nairobi

### **FIELD OF SPECIALIZATION**

Lecturer of History

### **WORK EXPERIENCE**

2011 to date: Lecturer, Chuka University

1996 to 2010: Graduate Teacher, Mikinduri Girls' Secondary School

### **KEY RESEARCH PROJECTS**

2010: A history of the Development of Western Education among the Samburu of North Central, Kenya. 1939-1964.

### **RECENT PUBLICATION**

1. N. K. Kithure, E. M. E.G, M. W. Muraya, J. Mulati. 2013. The impact of Samburu culture on the development of western education in Samburu community during the colonial period in Kenya. Research on Humanities and Social Sciences, 3(21):128-133.
2. Naomi K. Kithure, Eric Mwenda E. G., Martha W. Muraya, Job Mulati, The Impact of Samburu Culture on the Development of Western Education in Samburu Community during Colonial error in Kenya, pp. 128-133
3. Naomi K. Kithure, Godon Omenya; Indigenous Knowledge System Aspects of Samburu Indigenous Education to Kenya. (July 2014) ISSN: 2319-2801. Asian Academic Research Journal of Multidisciplinary



### Grace Ngigi

Designation: Assistant Lecturer

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## EDUCATION

PhD in Development Studies (On-going), JKUAT

Masters in Rural Sociology and Community Development, UON

Bachelor of Arts in Community Development, Daystar University

Diploma in Management of NGOs, KIM

## FIELD OF SPECIALIZATION

Community Development, Project Management

## WORK EXPERIENCE

Campus Administrator, Daystar University

Assistant Lecturer, Chuka University

## KEY RESEARCH PROJECTS

2009: An Assessment of community participation in Constituency Funded Projects: A case of Laikipia Constituency, Kenya.

2017: An assessment of gender mainstreaming into food security initiatives by Faith Based Organizations in Kenya.

## RECENT PUBLICATION

Ngigi, G. N. 2015. An assessment of community Participation in Constituency Development Funded Projects: A case of Laikipia East District, Kenya. Research on Humanities and Social Sciences, 5(10):105-112.

## RESEARCH INTEREST

Gender mainstreaming in development

Politics and Governance in Development

Disasters and Development



### Mary Nyanjugu Karuri

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## EDUCATION

PhD in Linguistics (Chuka University)

Masters of Arts in English & Linguistics (Egerton University)

BEd in English and Literature (Moi University)

## FIELD OF SPECIALIZATION

Linguist

## WORK EXPERIENCE

2009-2014: Assistant Lecturer

2014-2017: Lecturer

## KEY RESEARCH PROJECTS

2012-2016: Representation of Political Conflict in Kenya (PhD Project).

## RECENT PUBLICATION

Karuri, M. & Muriungi, P. (2016). Creation of Identities in Political Conflict: Kenya's Newspaper Discourse. *International Journal on Studies in English Language and Literature* 4(10):6-18

## POSTGRADUATE STUDENTS SUPERVISED

SN	Name	Thesis Title	Year	Status
1	Jacob Murigi	A Critical Discourse Analysis of Kikuyu Popular Songs	2012	Continuing
2	Susan Laaria	Analysis of Gitigania Euphemisms	2013	Continuing
3.	Liz Karani	Representation of Corruption in Kenya's TV News Preludes	2014	Continuing

## RESEARCH INTEREST

Critical Discourse Analysis in Media and Politics



### **Charity Nyaboke Onsinyo**

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### **EDUCATION**

PhD Ongoing, Kisii University

Masters of Science in Library and Information Science, Kenyatta University

Bachelor of Science in Information Science, Moi University

### **FIELD OF SPECIALIZATION**

Information Science/Librarianship

### **WORK EXPERIENCE**

2008-2016: Senior Library Assistant

2016-to date: Assistant Lecturer

### **KEY RESEARCH PROJECTS**

2014: Accessibility of Library and Information Services by persons with disabilities

### **RECENT PUBLICATION**

Onsinyo, C.N. (2012) Automation of past examination papers: experiences from Kenya Methodist University Library.

### **RESEARCH INTEREST**

Open source computing, digital libraries, user studies and information literacy

**Samson Raiji**

Designation: Lecturer

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Department: Arts and Humanities

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**EDUCATION**

PhD in Media Studies (Ongoing)

Masters of Arts in Media Studies

Bachelor of Arts in Kiswahili and Sociology

Postgraduate Diploma in Journalism

Certificate in Journalism

**FIELD OF SPECIALIZATION**

Media, Communication and Journalism

**WORK EXPERIENCE**

Assistant Lecturer

External Examiner, St Pauls University

**KEY RESEARCH PROJECTS**

Media policies protecting Children against harmful television content

**RESEARCH INTERESTS**

Media Policy, Children and Media content consumption

Online media access and policy

**Ruth Mueni Muli**

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**Department:** Arts and Humanities

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**EMAIL:** muenirmuli@hotmail.com

**EDUCATION**

PhD in Sociology, Ongoing, Kenyatta University

Masters of Arts in Sociology, University of Nairobi

Bachelor of Arts in Sociology, Moi University

**FIELD OF SPECIALIZATION**

Sociology

**WORK EXPERIENCE**

2010-to date: Assistant Lecturer, Chuka University

2006-2010: Teacher of “O” & “A” level Sociology, St. Austins Academy

**KEY RESEARCH PROJECTS**

2013-Elder abuse in Machakos County: An exploration of predisposing factors, patterns and extent of abuse

School response to the educational needs of HIV AIDS orphans: a case study of Thika Municipality Public Primary Schools

**RESEARCH INTEREST**

Aging/gerontology

**Martin Murithi Ireri**

**Designation :** Media Technologist

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**EDUCATION**

Diploma in Radio Programmes and Production

**FIELD OF SPECIALIZATION**

Radio Programmes Production and Broadcasting

**WORK EXPERIENCE**

2012 to: Date Media Technologist

**RESEARCH INTERESTS**

Mass Media and Communication

## FACULTY OF BUSINESS STUDIES



**Mr. Andrew Thuranira Muguna,**

**Designation:** Lecturer / Dean

**Faculty:** Business Studies

**Department:** Business Administration

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### EDUCATION

Master of Commerce, Mohanlal, Sukhadia University

Bachelor of Commerce, Mohanlal, Sukhadia University

### FIELD OF SPECIALIZATION

Business Administration – Human Resource and Management

### WORK EXPERIENCE

2015-date: Dean, Faculty of Business Studies. Chuka University

2010-2015: Founding Dean, Faculty of Business Studies, Chuka University

2008-2010: Acting Dean, Faculty of Business Studies, Chuka University

2007-2008: Co-ord., Commerce Programme, Eastern Campus, Egerton University

2006-2007: Co-ordinator Kisii town campus, Egerton University

2005-2006: Lecturer, Egerton University

2000-2005: Assistant Lecturer, Egerton University

### RECENT PUBLICATIONS

1. Muguna, A.T. and Dawe, M.S. (2010). The impact of stress on employees and the importance of its management. Organization for Social Science Research in Eastern and Southern Africa (OSSREA).
2. Muguna, A.T. and Dawe M.S. (2011). The use of marketable securities by firms listed in Nairobi Stock Exchange. Organization for Social Science Research in Eastern and Southern Africa (OSSREA). Page 124-133.
3. Muguna A.T. (2013). Effect of rewards on job satisfaction among employees of Meru Level Five. Journal of Resource Management, 3:155-162.
4. Mary Makena Muquongo, Andrew T. Muguna, Denis K. Mugambi (2015). Effect of compensation on job satisfaction among secondary school teachers in Maara Sub-county of Tharaka Nithi County, Kenya. Journal of Human Resource Management. Pg. 47-59.

### STUDENTS' PROJECTS SUPERVISED

SN	Name	Thesis Title	Yeara	Status
1	Mutegi Tetu Mwenda (MBA)	Effect of security risk control programmes on safety in universities in Tharaka Nithi and Meru Counties, Kenya		

2	Mary Makena Muguongo (MBA)	Barriers to participation of women in elective politics in Imenti South Meru County		
3	Alexander Micheni Muratha (MBA)	Effect of job satisfaction on Employee turnover in charitable organization in Tharaka – Nithi County, Kenya		
4	Kepha Orina (MBA)	Influence of promotion on woman leadership in public universities in Kenya.		
5	Naomi Wanjiru (MBA)	Influence of promotion on job satisfaction in Nakuru Provincial Hospital, Nakuru, Kenya.		

## **RESEARCH INTERESTS**

Compensation management



### **Justo Masinde Simiyu**

**Designation:** Lecturer / Chairman of Department

**Faculty:** Business Studies

**Department:** Business Administration

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## **EDUCATION**

PhD. in Finance - Ongoing

Master of Business Administration

Bachelor of Arts in Business and Management

Certified Public Accountant of Kenya

## **FIELD OF SPECIALIZATION**

Finance & Accounting

## **WORK EXPERIENCE**

2004-2007: Teller and operations officer, Standard Chartered Bank, Kisumu

2008-2009: Part-time Lecturer, KCA, Maseno and Baraton Universities

2009-2012: Assistant lecturers-Chuka University College

2010 to date: Chairman, Dept of Business Admnistration, Chuka University

2013 to date: Lecturer, Chuka University

## **KEY RESEARCH PROJECTS**

NIL

## **RECENT PUBLICATIONS**

1. Nyakundi, H.M., Simiyu, J.M. & Galo, M.N. 2016. Effect of budgeting on public sector wage bill management by the Government of Kenya. *Journal of Finance and Accounting.* 4(3):86-101
2. Simiyu, J. 2015. Effect of Learning and Leadership on Implementation of Business Strategy in the Banking Sector, Kenya. *European Journal of Business and Social Sciences.* 4(8):285-308
3. Simiyu J. & Waithaka, S. 2015. Effect of knowledge management factors on implementation of business strategy among commercial banks: A Case of Banking Institutions in Chuka Town, Kenya.*European Journal of Business and Social Sciences.* 4(8):260-284
4. Ndung'u, S.K., Simiyu, J., Galo, N. & Mbogo, J. 2014. Effect of dividend announcement on share price changes for companies listed at Nairobi Securities Exchange, Kenya. *Research Journal of Finance and Accounting.* 5(17):243-254
5. Moti, H.O., Simiyu, J.M., Galo, N.M. & Sindani, M.N. 2012. Effectiveness of credit management system on loan performance: empirical evidence from

microfinance sector in Kenya. *International Journal of Business, Humanities and Technology*. 2(6):99-108

6. Thiga, P.N., Simiyu, J.M., Wagala, A., Galo, N.M. & Kathuni, L.K.2012. financial planning challenges affecting implementation of Economic Stimulus Programme in Embu County, Kenya. *IJRRCM*, 2(10)
7. Simiyu, J.M., Momanyi, G., Naibei K. I. & Odondo, A. J. 2012. Credit And Debit Card Usage And Cashflow Management Control By Customers: Evidences from Commercial Banks' Customers in Kisumu City, Kenya. *African Research Review*. 6(4):157-172

#### **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Paul N. Thiga	Financial Management Challenges Affecting Implementation of Economic Stimulus Programme in Embu County, Kenya	January, 2010	Graduated, 2011
2	Haron O. Moti	Effectiveness of Credit Management Systems on Loan Performance Among Microfinance Institutions in Meru Town, Kenya	January, 2010	Graduated, 2011
3	Justus K. Mwiti	Effectiveness of Commercial Banks Strategies on Customers' ATM Usage in Kenya. A case of Commercial Banks in Embu West District, Kenya	2009	Graduated, 2011
4	James M. Mbuba	Investment Appraisal and Financial Performance: A case of Firms Listed at NSE, Kenya	2012	Graduated, 2015
5	Serah W. Githae	Effect of Individual Characteristics on Default Among women Borrowers in Microfinance Institutions: A case of KWFT – Chuka Branch, Kenya	2011	Graduated, 2015
6.	Mogere H. Nyakundi	Effect of Budgeting on Public Sector Wage Bill Management by the Government of Kenya.	January, 2014	Graduated, 2014
7.	Margaret N. Mugure	Analysis of Macroeconomic Determinants Of Economic Growth in Kenya	January, 2015	Graduated, 2016
8.	Jane M. Thuita	Effect of Corporate Tax Planning on Financial Performance of Firms Listed at NSE, Kenya	January, 2015	Graduated, 2016

9.	Peter N. Kirimi	Effect of Debt Finance on Financial Performance of SACCOs in Maara Sub County, Kenya	Septembe, 2014	Graduated, 2016
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### **RESEARCH INTERESTS**

Security Exchange Markets  
Financial Derivatives  
Financial Institutions  
Working Capital Managements



### Dennis K. Murithi

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Faculty: Business Studies

Department: Business Administration

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## EDUCATION

Master of Science in Applied Statistics

Bachelor of Science

CPA - Kenya

## FIELD OF SPECIALIZATION

Applied Statistics

## WORK EXPERIENCE

2012-Date: Freelance statistical consultant

2012 consultant: Kenya film classification board E-business survey

2016 reviewer: American journal of theoretical and applied statistics

## KEY RESEARCH PROJECTS

Modeling and optimization of multiple responses of watermelon to organic manure using response surface methodology

## RECENT PUBLICATIONS

1. D. K. Muriithi. (2015). Application of Response Surface Methodology for Optimization of Potato Tuber Yield. *American Journal of Theoretical and Applied Statistics*. 4(4):300-304  
[\(http://www.sciencepublishinggroup.com/j/ajtas\)](http://www.sciencepublishinggroup.com/j/ajtas)
2. D. K. Muriithi, A.N. Ngeretha and R.G. Muriungi (2014). Analysis of The Fluctuation Of Gross Domestic Product In Kenya Using Autoregressive Integrated Moving Average Model. *Journal of Statistics: Advances in Theory and Applications*, 11(1):31-43
3. Daniel M.Muriithi and D. K. Murithi (2015).Determination of Infant and Child Mortality in Kenya Using Cox-Proportional Hazard Model. *American Journal of Theoretical and Applied Statistics*. 4(5) (<http://www.sciencepublishinggroup.com/j/ajtas>)
4. Mary M. Muguongo, Andrew T. Muguna and D. K. Muriithi (2015). Effects of Compensation on Job Satisfaction among Secondary Teachers in Maara Sub-County of Tharaka Nithi County, Kenya. *Journal of Human Resource Management*. 3(6):47-59
5. D. K. Muriithi, J.Kihoro and A.Waititu (2012).Ordinal Logistic Regression Versus Multiple Binary Logistic Regression model for predicting student loan allocation. *Journal of Agriculture Science and Technology* 14(1):190-203.

6. E. W. Njoroge, G. G. Njoroge and D. K. Muriithi (2014). Evaluating Secondary School Examination Results: Application of Principal Component Analysis. *Journal of Statistical and Econometric Methods*, 3(2):31-46.

### **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis /Project Title	Date admitted	Status
1	Miriam Thuo	Effect of Gross investment on Economic growth in Kenya		2016
	Muratha.A. M.	Effects of Job Dissatisfaction on Employee Turnover in Charitable Organization in Tharaka Nithi County,		2015
2	Muguongo. M.M.	Effects of Compensation on Job Satisfaction among Secondary School Teachers in Maara District of Tharaka Nithi County, Kenya		2015
3	MBURUG U.L.M.	Impact of Corporate Governance on Financial Performance of Savings and Credit Cooperative Societies: A case of Saving and Credit Cooperative Societies in Tharaka Nithi County, Kenya.		2015
4	HABAKK UK. B. N	Influence of Working Capital Management on Financial Performance of Two - Star Hotel on Embu County		2015
5	Gitari.A.M.	Factors Influencing Effectiveness Utilization of Constituency Development Funds in Mbeere South Constituency, Embu County		2015

### **RESEARCH INTERESTS**

Statistical modeling and application



### **Rev. Dr. Jonathan William Omolo**

**Designation:** Lecturer/ Coordinator /Ag. COD Embu Campus

**Faculty:** Business Studies

**Department:** Business Administration

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## **EDUCATION**

Ph.D. in Human Resource Management

Master of Business Administration (Human Resource Management)

Bachelor of Arts

## **FIELD OF SPECIALIZATION**

Human Resource Management

## **WORK EXPERIENCE**

2012-2014: Lecturer Amoud University (Somaliland)

2012-date: Lecturer/Coordinator/COD (Chuka University)

## **KEY RESEARCH PROJECTS**

2013-2015Participatory Integrated Community Development (UNDP)

## **RECENT PUBLICATIONS**

Omolo, J.W., Macharia, K. M. 216. Public debts on economic growth in Kenya. ISET.

12-16 Employee relations in the Kenyan Context

## **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Kenneth Kigundu	Public Debt on Economic growth	2014	Graduated 2016

## **RESEARCH INTERESTS**

Human Resource management



### Lewis Kinyua Kathuni

**Designation:** Lecturer

**Faculty:** Business Studies

**Department:** Business Administration

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lkathuni@chuka.ac.ke/lewiskinyua2015@gmail.com

## EDUCATION

Ph.D. in Strategic Management (Continuing; completed course work)

Master of Business Administration (MBA)

Bachelor of Commerce

## FIELD OF SPECIALIZATION

Strategic Management and Marketing

## WORK EXPERIENCE

6 years Lecturer, Chuka University

3 years Coordinator, ACADIA project

## RECENT PUBLICATIONS

1. Kathuni, L.K, Nthiiri, C.M, Gachambi. P. 2015. Effectiveness of Competitive Strategies on Student Enrollment, Staff Attraction and Retention in Kenyan Universities. European Journal of Business and Social Sciences, Vol. 3, No. 9
2. Kathuni, L.K and Galo, N. 2014. Call Centre Outsourcing Practices Adopted by Mobile Phone Companies in Kenya. International Journal of Research in Commerce, Economics and Management 2(9):27-34.
3. Thiga, P., Kathuni, L, Galo, N., Wagalla, A., Masinde, J. 2012. Financial Planning Challenges Affecting Implementation of the Economic Stimulus Programme in Embu County, Kenya. International Journal of Research in Commerce, IT and Management. 2(10):15-21
4. Kathuni, L and Galo, N. 2013. Direct Sales Strategy Applied by Commercial Banks in Kenya. International Journal of Business, Humanities and Technology Vol 2. No.7.

## STUDENTS' PROJECTS SUPERVISED

SN	Name	Thesis Title	Date admitted	Status
1	Caroline Nthiiri	Effectiveness of Competitive Strategies on Student Enrollment, Staff Attraction and Retention in Kenyan Universities.	2013	Graduated 2014

2	Muratha A. Micheni	Determinants of Staff Turnover in Charitable Organizations in Tharaka Nithi County. Kenya	2013	Graduated 2014
3	Pluto Nkatha	Effect of Promotional Activities on Sales Growth of Insurance Companies in Embu County, Kenya.	2014	Graduated 2016
4	Cosmas Ndungi	Effect of Outsourcing Strategy on Profitability of Commercial Banks in Kenya.	2013	Continuing
5	Daisy Njeru	Relationship between Growth Strategy and Performance of Universities in Kenya.	2014	Continuing

## **RESEARCH INTERESTS**

Adoption of Strategic Planning by Firms in Kenya

Effect of Growth Strategies on Performance of Firms in Kenya

Dynamic environment and firm competitiveness



### **Adolphus Wagala**

**Designation:** Lecturer

**Faculty:** Business Studies

**Department:** Business Administration

Chuka University, P. O. Box 109-60400, Chuka

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## **EDUCATION**

Ph.D. Probability & Statistics (Ongoing)

Master of Science in Statistics

B.Ed. Science (Hons)

## **FIELD OF SPECIALIZATION**

Statistics

## **WORK EXPERIENCE**

2012 to date: Lecturer

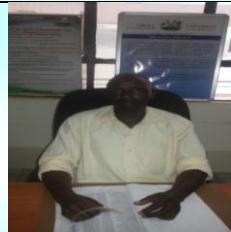
: Assistant Lecturers

## **RECENT PUBLICATIONS**

1. Kiremu, M. K. G., Galo, N., Wagala, A and Mutegi, J. K. (2013). Price and Volumes Reaction to Annual Earnings Announcement: A Case of the Nairobi Securities Exchange. *International Journal of Business, Humanities and Technology* 3(2):100-111.
2. Wagala, A., Nassiuma, D.K, Ali, S. I and Mwangi, J. W (2012). Volatility Modelling of the Weekly Returns of the Nairobi Securities Exchange Using the ARCH-Type Models. *International Journal of Applied Science and Technology*, 2(3):165-174.
3. Wagala, A., Ali, S. I. and Nassiuma, D. K. (2012). Efficiency Evaluation When Modelling Nairobi Security Exchange Data Using Bilinear and Bilinear-Garch (Bl-Garch) Models. *International Journal of Applied Science and Technology*, 2(6):37-48.

## **RESEARCH INTEREST**

Theoretical and Applied Statistics



### **James Kamau Mwangi**

**Designation:** Lecturer

**Faculty:** Business Studies

**Department:** Business Administration

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## **EDUCATION**

Ph.D. Student, Jomo Kenyatta University of Agriculture and Technology

Master of Science in Financial Management

B.Ed. (Arts) (Accounting & Mathematics), University of Nairobi

## **FIELD OF SPECIALIZATION**

Lecturer: Finance, Accounting & Mathematics

## **WORK EXPERIENCE**

2010 to date Lecturer

June-Aug 2013 Acting Chairman Department of Business Studies

## **RECENT PUBLICATIONS**

1. Role of Corporate Social Responsibility Activities on Egerton University's Public Image: A Case of Njoro Division Community: International Journal of Research in Commerce & Management: ISSN 0976-2183
2. Impact of Computerized Accounting Information Systems for Effective Management of Accounting Transactions in Public Institutions: A case of Kenya School of Government International Journal of Research In Commerce & Management: ISSN 0976-2183
3. Relationship between sales growth, profitability and firm value creation Strategy: A study of companies in young Emerging Market Economies (EMEs)" (Journal of Education and Social Sciences) ISSN 2220-4091

## **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Lydia Langat	Role of Corporate Social Responsibility Activities on Egerton University's Public Image: A Case of Njoro Division Community.	2008	Graduated
2	Samuel Mathenge Wairimu	Evaluation of Risk based audit factors affecting performance of internal audit in public sector: A case of South rift Region, Kenya	2008	Graduated

3	Lucyann Muthoni	Effects of Organizational Structure on Strategy Implementation in Manufacturing Firms in Kenya: A Case Study of Manufacturing Firms in Nakuru Municipality”	2008	Graduated
4	Mbaabu John Mwabia	Effect of strategic change on performance of Directorate of Land in Tharaka Nithi County, Kenya	2012	Graduated
5	Mutegi Linda Kendi	Impact of decentralized governance in growth of SMEs: a case of Chuka Igamba Ng’ombe Sub-county Tharaka Nithi County, Kenya	2014	Graduated
6	Margaret Akinyi Olang	Effect of liquidity on the dividend pay-out by firms listed at the Nairobi Stock exchange, Kenya	2013	Graduated
7	Serah Wanjiru Githe	Effect of individual characteristics on Loan default among women borrowers in micro-finance institutions. A case of Kenya Women Finance Trust-Chuka Branch, Kenya	2010	Graduated
8	Eric Njeru Mugendi	Effect of liquidity management on performance of commercial banks listed in the Nairobi Securities Exchange	2012	Graduated
9	Micheal Thuo Mwangi	Macroeconomic determinants of interest rate spread in Kenya	2015	Graduated

## RESEARCH INTEREST

Investment

**Dr. Gilbert Mugambi Mwiti****Designation:** Lecturer**Faculty:** Business Studies**Department:** Business Administration

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**EDUCATION**

PhD (Business Administration), Dedan Kimathi University of Technology

MBA (Entrepreneurship), Kenyatta University

B.Com (Marketing), University of Nairobi

**FIELD OF SPECIALIZATION**

Entrepreneurship and Small Business Management

**WORK EXPERIENCE**

10 Years work experience in the corporate-Sales, Marketing Management and Customer service

6 Years experience in Entrepreneurship and Small Business Management Consultancy

7 Years teaching at the University-Entrepreneurship, Marketing and Business Management

**KEY RESEARCH PROJECTS**

Family Business Characteristics and Performance of Small and Medium sized owned Family Enterprises in Nairobi County

Factors Affecting the Performance of SMEs Maize Flour Millers in Meru South

**RECENT PUBLICATIONS**

1. Miriti, G.M. & AKWALU, P.2015. Influence of Entrepreneurship Training on Performance of Youth Owned Small and Medium Enterprises in Maara Sub-County, Kenya. Journal of Environmental Sustainability Advancement Research Vol.1 2015 ISSN.2409-966X
2. Mugambi, M.M., Ochieng R.J., & Miriti, G.M. 2014. The Critical Role of Curriculum in Addressing Youth Unemployment in Kenya. Opportunities and Challenges. International Journal of Education and Research. Vol. 2 No. 4
3. Miriti, G.M. & Mugambi, M.M., 2010. Enhancing Entrepreneurship Education for Entrepreneurial Growth in Kenya. Journal of Management University of Africa Vol.5 [www.mua.ac.ke/conference.html](http://www.mua.ac.ke/conference.html).
4. Miriti, G.M. & Mgambi, M.M., 2010. Family Owned Businesses in Kenya: Challenges and Opportunities. Journal of Management University of Africa. Vol.5 [www.mua.ac.ke/conference.html](http://www.mua.ac.ke/conference.html).

### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Chege S.M.	The role of technology adoption on the growth of youth owned SMES in Tharaka - Nithi County.	2017	ongoing
2	Kimani M.W.	Analysis of prisons rehabilitation programs on behaviour reformation of offenders in kenya: a case study of Kisumu main prison	2014	2016
3	Macharia, N.	An Assessment of factors affecting Utilization of the constituency industrial development centers in Kenya	2010	2013
4	Zipporah, K.	An Investigation of factors affecting Service Delivery at Rift Valley Water Services Board in Baringo County, Kenya	2010	2013
5	Matai, J.	An Assessment of factors influencing customer growth in the service sector: A case of Retail Service Sector in Kisii Town, Kenya	2010	2013
6	Nyambane, J.	Analysis of factors affecting the Implementation of Competitive Strategies in the Sugar Industry in Kenya: A survey of state owned sugar companies	2010	2013

### **RESEARCH INTEREST**

Entrepreneurship, Small and Medium Enterprises/Family Business



### **Joseph Masinde Wabwire**

**Designation:** Lecturer

**Faculty:** Business Studies

**Department:** Business Administration

Chuka University, P. O. Box 109-60400, Chuka

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## **EDUCATION**

Ph.D. (Ongoing)

Master of Business Administration (Finance Option)

BCom (Accounting Option)

KATC & CPA (K)

## **FIELD OF SPECIALIZATION**

Lecturer of Finance and Accounting

## **WORK EXPERIENCE**

2011 to 2014: Part-time Lecturer at Methodist, Kabarak and Laikipia Universities

August, 2013 to September 2014: Finance and Administration Manager, Egerton University Investment Company

May, 2008 to August 2013 Accountant, Kabarak University

May, 2006-April 2008: Manager, Egerton University Sacco Society Ltd

## **RECENT PUBLICATIONS**

1. Karambu Kiende and Masinde, Joseph. (2016). Effect of Corporate Environmental Disclosure on Financial Performance of firms Listed at Nairobi Securities Exchange, *Kenya International Journal of Sustainability Management and Information Technologies*; (2):1-6
2. Masinde et al. (2013). The effect of Initial Public offer announcements on Market returns of listed stocks at the Nairobi stock Exchange *International Journal of Research in Management*, 2(3):84-119.
3. Masinde, J. (2013). Financial Management: Initial Public Offer and Stock Market Returns. Lambert Academic Publishers; Germany

## **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Karambu Kiende Gatimbu	Effects of Sustainability Reporting on Financial Performance: Evidence From Listed Firms in Kenya	2013	2015

2	Robert Wambua Mutinda	Factors affecting credit appraisal in deposit taking microfinance institutions in Embu county, kenya	2014	Continuing
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### **RESEARCH INTEREST**

Reviewer, International Journal of Finance and Banking Research; <http://www.sciencepublishinggroup.com/j/ijfbr>.

Responsible for the reviews and quality of the research papers.



### **Mugenda Nebat Galo**

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**Faculty:** Business Studies

**Department:** Business Administration

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## **EDUCATION**

PhD in Finance Option (Ongoing), JKUAT

MBA (Finance Option), Maseno University

B.Ed. (Accounting & Mathematics), University of Nairobi

CPA Part II

## **FIELD OF SPECIALIZATION**

Finance

## **WORK EXPERIENCE**

2011 to Date: Lecturer, Department of Business Administration, Chuka University

2008-2010: Lecturer, Sigalagala National Polytechnic

2006-2008: Lecturer, KCA University, Kisumu Campus

1998-2006: Graduate Teacher 1, Bishop Sulumeti Girls High School

## **KEY RESEARCH PROJECTS**

2011 to Date: Five Factor Model for Predicting Average Portfolio Returns on Stocks listed at the Nairobi Securities Exchange

2013 to Date: Effectiveness of Income Generating Units in Financing of Public Universities in Kenya, Internally Funded Research, Chuka University

2006-2008: Implications of Risk Management Practices on Performance of Sugar Manufacturing Firms in Kenya

## **RECENT PUBLICATIONS**

1. Galo, M.N., Momanyi, G. & Naibei, K.I. 2012. Implications of Risk Management Practices on Performance of Sugar Manufacturing Firms in Kenya. *An International Journal of Arts and Humanities*. 1 (1)14-29
2. Haron O. M, Simiyu, J.M., Galo, M.N. & Nelima, M. S. 2012. Effectiveness of Credit Management System on Loan Performance: Empirical Evidence from Micro Finance Sector in Kenya" *International Journal of Business, Humanities and Technology*. 2(6)
3. Thiga, P.N., Simiyu, J.M., Wagala, A. & Galo, M.N. 2012. Financial Planning Challenges Affecting Implementation of the Economic Stimulus Programme in Embu County, Kenya" *An International Journal of Research in Commerce, IT and Management*, 2 (10)

4. Kangai, M.K., Galo, M.N., Wagala, A. & Kinyua, J.M. 2013. Market reaction to annual earnings announcements: Empirical evidence from NSE, Kenya. *International Journal of Business, Humanities and Technology*. 3(2):100-111
5. Lwiki, T.K; Ojera, P.B; Galo, M.N. & Wachira, V. K. 2013. The Impact of Inventory Management Practices on Financial Performance of Sugar Manufacturing Firms. *International Journal of Business, Humanities and Technology*. 3(5)
6. Mukaria, K.H; Galo, M.N & Akenga, M.G. 2015. Effect of Leverage on Performance of Non-financial Firms Listed at the Nairobi Securities Exchange. *Journal of Finance and Accounting*, 3(5):132-139
7. Akenga, M.G; Olang, A.M & Galo, M.N. 2015. Effect of Mortgage Market Risk on Mortgage Uptake: A Case Study of Mortgage Lenders in Kenya. *Journal of Investment and Management*. 4(6):334-347.
8. Mogere, H.N., Simiyu, J.M. & Galo, M.N: Effect of Budgeting on Public Sector Wage Bill Management by the Government of Kenya. *Journal of Finance and Accounting*. 4(3):86-101.

#### **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis Title	Date Admitted	Status
1	Haron, Oenga Moti	Effectiveness of credit management system on loan performance among MFIs in Meru town	2010	Graduated, 2011, Egerton University
2	Kangai, Mercy Kiremu	Market reaction to Annual Earnings Announcements, Empirical Evidence from NSE	2010	Graduated, 2012, Egerton University
3.	Samel Karanja Ndung'u	Effect of Dividend Announcement on Share Price Changes for Companies Listed on The NSE	2009	Graduated, 2013, Chuka University
4.	Grace, Akenga Melisa	Effect of Mortgage Market Risk on Mortgage Uptake: A Case of Mortgage Lenders in Kenya.	2013	Graduated, 2014, Chuka University
5	James, Mbuba Muthomi	Investment appraisal and Financial Performance Relationship: A case of Firms Listed at Nairobi securities Exchange	2010	Graduated, 2015, Chuka University
6	Mogere, Henry Nyakundi	Effect of Budgeting on Public Sector Wage Bill Management by Kenyan Government	2014	Graduated, 2015, Chuka
7	Sera, Wanjiru Githae	Effects of Individual Characteristics on Loan default among Micro - Finance women Borrowers - A case of KWFT in Kenya	2010	Graduated, 2015, Chuka University

8	James, Muchiri Ndambiri	Loan Portfolio Characteristics and Non - Performing Loans for SACCOs in Kirinyaga County - Kenya	2009	2015, Chuka University
9	Irene Cheptum	Effects of Macroeconomic Variables on Financial Performance of Firms Listed at the Nairobi securities Exchange	2012	Graduated, 2015, Chuka University
10	Gorret, Kairuti Clement	Determinants of Unit Trust Funds' Performance: A Comparative Study of Money Market and Equity Funds in Kenya:	2012	2015, Chuka University
11	Casty, Kageni Riungu	Effects of Cash Management Practices on Performance of Agency Banking Firms: A Case of Commercial Bank Agency Firms in Imenti South Sub - county, Kenya.	2011	2015, Chuka University
12	Maureen, Muthoni Ndagara	Effectiveness of Monetary Policy Intervention on Exchange Rate Volatility	2015	2016, Chuka University
13	Mutegi, Mwaniki	Effects of Corporate Governance on Financial Distress of firms listed at the NSE, Kenya	2014	2016, Chuka University
14	Tore, Kipngetich Nelson	Effects of Interest Rate on Domestic Private Investment in Kenya.	2015	2016, Chuka University

## **RESEARCH INTEREST**

Securities Market Development



## Duncan Momanyi Nyang'ara

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**Department:** Business Administration

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## EDUCATION

Ph.D. (Ongoing)

Master of Commerce in Accounting & Business Statistics

Bachelor of Commerce

Post graduate Diploma in Computer Sciences

## FIELD OF SPECIALIZATION

Accounts, Finance and research work

Lecturer of Accounting, Finance and Business Statistics

## WORK EXPERIENCE

2010 to Date: Chuka University Lecturer

2006 to 2010: Ministry of Public Service, Lecturer (Kenya School of Government)

1999 to 2006: Lecturer on Contract, JKUAT

## KEY RESEARCH PROJECTS

2006: Evaluation of training capacity & quality in government training institutes in Kenya

2007: Consultancy services on CDF funds management of Mvita and Matuga Constituencies

2008: Training Needs Assessment (TNA): Strategies of Cost Reduction and Optimization of Resources in Public Service Offices in Kenya

2009: Training Needs Assessment (TNA): To design a workshop for Sensitization of “Public Procurement and Disposal Act 2005”

## RECENT PUBLICATIONS

1. Samuel Obino Mokaya, Duncan Momanyi Nyang'ara, Lilian Tintira James. ISSN: 1929-7106. International Journal of Arts and Commerce, 2(2) Feb 2013. *T he Effect of Dividends Policy on Market Share Value in Banking Industry; the Case of National Bank of Kenya.* P91-101
2. *Effect of Electronic Mobile Money Transfer on Financial Liquidity and Growth of Micro and Small Enterprises: A case of Nairobi City-Kenya*. International Journal of Research in Computer Application & Management.” 3(05) 2013
3. *“The Impact of Adopting computerized Accounting Information Systems for Effective Management of Accounting Transactions in Public Institutions; Case of*

- Kenya School of Government.* "International Journal of Research in Computer Applications & Management. Vol. 3
4. Wagala. A., Nassuma, D.K, Ali, S. I and Mwangi, J. W (2012). Volatility Modelling of the Weekly Returns Of The Nairobi Securities Exchange Using The ARCH-Type Models. *International Journal of Applied Science and Technology*, 2(3):165-174

#### **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Lucy Nyambura Muturi	The Effectiveness of Competitive Strategies on the Growth of Service Based & S.M.E: Case of Embu Town	March 2015	Graduated 2015
2	Caroline Cherotich	Effect of Receivables Management on Financial Performance of KTDA Managed Factories in Kenya: Case of Region Five	October 2015	Graduated 2015
3	Kangogo Kipkosgei Mathew	Effect of Internal Control System on Financial Performance of Saccos in Kenya: a Case of Tharaka Nithi County	October 2016	Graduated 2016
4	Acline Nyaga	Financial Factors Affecting Supply of Housing for Low Income Earners in Embu County	In progress	Continuing

#### **RESEARCH INTEREST**

Finance, Training Needs Assessment (TNA)



### **Margaret Akinyi Olang'**

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### **EDUCATION**

Master of Business Administration (MBA)

Bachelor of Commerce - Finance option

### **FIELD OF SPECIALIZATION**

Strategic Management and Marketing

### **WORK EXPERIENCE**

Jan 2015 to Date: Assistant Lecturer

Jan 2013 to Dec 2014: Part-time Lecturer

### **RECENT PUBLICATIONS**

Olang', M.A., Akenga, G.M., Kamau, J.M., J.P. 2015. Effect of Liquidity on the Dividend Payout by Firms Listed at the Nairobi Securities Exchange, Kenya. Science Journal of Business and Management. Vol. 3, No. 5



### Grace Melissa Akenga

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## EDUCATION

Master of Business Administration [Finance option]

Bachelor of Commerce [Finance option]

## FIELD OF SPECIALIZATION

Lecturer

## WORK EXPERIENCE

Jan. 2015 to Date: Assistant Lecturer

Jan. 2012 to Dec 2014: Teaching Assistant

## RECENT PUBLICATIONS

1. Olang, M. N, Akenga, G.M, Mwangi, J.K. 2015. Effect of Liquidity on the Dividend Pay-out by Firms Listed at the Nairobi Securities Exchange, Kenya. *Science Journal of Business Management*. 3(5):196-208
2. Akenga, G.M, Olang, M.A, Galo, M.N. 2015. Effect of Mortgage Market Risk on Mortgage Uptake: A Case Study of Mortgage Lenders in Kenya. *Journal of Investment and Management*. 4(6):334-347
3. Kimathi, H. M., Galo, N.M., Akenga, G.M. Effect of Leverage on Performance of Non-financial Firms Listed at the Nairobi Securities Exchange. 2015. *Journal of Finance and Accounting*. 3(5):132-139

## RESEARCH INTERESTS

Business and Finance



### **Henry Nyabuto Otiso**

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## **EDUCATION**

Master of Business Administration

Bachelor of Commerce (Insurance)

ACII

## **FIELD OF SPECIALIZATION**

Lecturer (Chartered Insurer)

## **WORK EXPERIENCE**

Lecturer

Marketing Manager-Insurance Industry

## **KEY RESEARCH PROJECTS**

2015-2016: Effects of external public debt on macroeconomic variables in Kenya

## **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Tetu Mwenda Mutegi	Effect of Security Risk Control Programmes on Safety in Universities in Tharaka-Nithi and Meru Counties, Kenya	2014	Graduated
2	Livingstone Ochwando	Effect of Insurance Distribution Channels on Growth of Insurance in Kenya	2014	Graduated
3	Murithi Karugi Mutegi	Effect of Micro Insurance Segment on Insurance Uptake in Kenya	2014	Graduated
4	John Mutugi Gachoki	Effect of Risk Control Techniques on Theft in Public Hospitals in Embu County, Kenya	2014	Graduated

## **RESEARCH INTERESTS**

Insurance, Risk Management, Strategic Management, Marketing



### **Patricia Gachambi Mwangi**

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Faculty: Business Studies

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## **EDUCATION**

Master of Business Administration

Bachelor of Business and Management

Certified Public Accountant

## **FIELD OF SPECIALIZATION**

Accountant

Strategic Management & Accounting

## **WORK EXPERIENCE**

2013-date: Lecturer, Chuka University

2010-2013: Assistant Lecturer, Chuka University

2008-2009: Group Performance Insight Manager, East African Breweries Ltd

2006-2008: Process Improvement Manager, East African Breweries Ltd

2004-2006: Process Improvement Accountant, East African Breweries Ltd

2003-2004: Assistant Accountant, Farmer's Choice Limited

## **RECENT SELECTED PUBLICATIONS**

1. Mwangi, P.G., Awino, Z.B., Ogollah, K.O. and Ongut, M. 2016. Group Cohesion and Strategic Context on the Relationship between Top Management Team Composition and Performance of Family Firms: A Critical Review of Literature. *DBA Africa Management Review*. 6(1):57-76
2. Nthiiri, C.M., Gachambi, P. and Kathuni, L. 2014. Effectiveness of Competitive Strategies on Student Enrolment, Staff Attraction and Retention in Kenyan Universities: A Case of Universities in Tharaka Nithi and Meru counties. *European Journal of Business and Social Sciences*. 3(9):160-180
3. Mwangi, P.G., and Muriuki, M.M. 2013. Credit Risk Management Practices by Oil Companies in Kenya. *International Journal of Business, Humanities and Technology*. 3(2):72-80
4. Mwangi, P.G., Muriuki, M.M. and Mugenda, N.G. 2013. Strategic Management Responses to Changes in the Environment: A Case of East African Breweries Limited. *International Journal of Research in Commerce, IT and Management*. 3(4):134-138

## STUDENTS' PROJECTS SUPERVISED

SN	Name	Thesis Title	Date admitted	Status
1	Jane M. Thuita	Effect of Corporate Tax Planning on Financial Performance of Firms Listed at Nairobi Securities Exchange, Kenya	2015	Graduated
2	Jonah M. Mwambia	Effect of Change on Performance of Directorate of Land in Tharaka Nithi County, Kenya	2012	Graduated
3	Caroline M. Nthiiri	Effectiveness of Strategic Responses to the Competitive Environment of Universities in Kenya: A Case of Universities in Tharaka Nithi and Meru Counties	2010	Graduated
4	Eric M. Mureti	Effect of Competitive Strategies adopted by Telecommunication Companies on Performance: A case of Safaricom Ltd	2014	Continuing
5	Edwin M. Micheni	Effectiveness of Strategic Management Practices on Competitive Advantage on Microfinance institutions in Tharaka Nithi County	2014	Continuing
6	Moses B. Kimathi	Strategic Management Practices and Performance of Small Scale Enterprises in Chuka Town	2014	Continuing
7	Lydia N. Theuri	Effects of Cost Sharing Strategy on Library Attendance: A Case of Kenya National Library Service	2010	Continuing

## RESEARCH INTERESTS

Strategic management, Taxation and Audit practices



### Bunde Aggrey Otieno

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**Faculty:** Business Studies

**Department:** Business Administration

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## EDUCATION

PhD in Economics, University of Nairobi - Ongoing

Master of Arts in Economics, Moi University

B.Sc. Agricultural Economics, Moi University

Cert. Financial Management, Kenya School of Government

## FIELD OF SPECIALIZATION

Economics

## WORK EXPERIENCE

2007: Research Assistant, Kenya National Bureau of Statistics

2008: Research Assistant, Centers for Disease Control KEMRI & Atlanta Georgia

2008: Appointed as Sales Executive, Kenya Commercial Bank

2009-2010: Research Asst, Kenya Institute for Public Policy Research & Analysis

2010: Research Assistant, Insurance Regulatory Authority (IRA)

2013: Part-time Lecturer, University of Eldoret

2008-2014: Agricultural Economist, Ministry of Agriculture

## KEY RESEARCH PROJECTS

2010: Analysis of productivity and competitiveness of various sectors in Kenyan economy, KIPPRA

2010: Crime Victimization Survey, KIPPRA & UNODC

2010: Consumer Understanding and Perception of Insurance in Kenya – IRA

2009: National Energy Survey, KIPPRA & ERC

2008: Evaluation of Impact of Post-Election Violence on Patients access to healthcare services in Kenya, CDC Atlanta, CDC Kenya & KEMRI

2007: Kenya Aids Indicator Survey, Kenya, KNBS, MoH, NASCOP, CDC Kenya, USAID, KEMRI

## RECENT SELECTED PUBLICATIONS

1. Bunde, A.O., Kibet K. (2016) Socio-economic factors influencing adoption of modern bee keeping technologies in Baringo County Kenya. *International Journal of Sciences and Research.* 5 (6) ISSN 2319-7064.
2. Bunde A.O. (2014) A Cointegration and Error Correction Modeling of Export Sector Performance in Kenya. *African Journal of Education, Science and Technology.* 1(2):26-31. ISSN 23099240

3. Bunde A.O., Nkanai S.M. (2016) Econometric modeling of short run parsimonious and long run cointegrated real exchange rate determinants in Kenya. *International Journal of Economics and Sustainable Development*. ISSN 22222855.
4. Bunde, A.O., Mudaki J.S. and Korir, M. (2013). Impact of Fertilizer Input Subsidy on Maize Production in Nandi North District, Kenya. *International Journal of Sciences: Basic and Applied Research (IJSBAR)*. 2. ISSN 23074531
5. Bunde A.O., Mudaki J.S. and Mwangi M.N. (2013). Factors influencing the choice of Milk Marketing Outlets among Smallholder Dairy Farmers' in Nandi North District, Kenya. *African Journal of Education, Science and Technology (AJEST)*. 1(2):91-97. ISSN 23099240.
6. Mugo, SW., Bunde A.O., Korir, M.K., and Mudaki J.S. (2013). Factors Influencing Tissue Culture Banana Output and Its Impact on Income in Nyamusi Division, Nyamira North District, Kenya. *International Journal of Sciences: Basic and Applied Research (IJSBAR)*. 2. ISSN 23074531.
7. Bunde, A.O., Korir, M.K. and Mudaki J.S. (2013) Factors Influencing Real Exchange Rates and Export Sector Performance in Kenya. *International Journal of Sciences: Basic and Applied Research*. 1 ISSN 23074531.
8. Mabonga, G.N., Bunde A.O., Y. Kibet., D. Tarus and N.K. Rop (2013) Determinants of smallholder dairy farmers access to credit: A case of Uasin Gishu County. *African Journal of Education, Science and Technology*. 1(2):53-59. ISSN 23099240.

### **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis Title	Year in	Status
1	Kenneth K.Macharia	Effects of external public debt on macroeconomic variables in Kenya	2015	Graduated in 2016
2	Jerobone Josphine	Effects of Public Debts on Economic Growth in Kenya	2015	Graduated in 2016
3	Everlyn Ninga Munene	Effects of unsecured commercial bank loans on financial performance of savings and credit cooperative societies in Kenya.	2009	Graduated in 2016
4	Margaret N. Mugure	Analysis of macroeconomic determinants of economic growth in Kenya	2015	Graduated in 2016
5	Moses K. Macharia	Effects of Macroeconomic Variables on Unemployment Rate in Kenya.	2016	Graduated in 2016

### **RESEARCH INTERESTS**

Public sector economics, Monetary Economics, Energy Economics, Financial Economics, Environmental and Natural Resource Economics, International Trade, Agricultural Economics and Infrastructural Economics.



### Dr. Isaac Micheni Nkari

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## EDUCATION

Doctor of Philosophy in Business Administration (Ph.D.), University of Nairobi

Master of Business Administration (MBA), University of Nairobi

Bachelor of Commerce (BCOM), University of Nairobi

East African Advanced Certificate of Education (E.A.A.C.E)

## FIELD OF SPECIALIZATION

Specialization: 1). Marketing; 2). Business strategy

Position: Lecturer in Business Administration Department

## WORK EXPERIENCE

Nov. 2009 to date: Lecturer in Business Administration, Chuka University

Oct. 2002-Oct. 2009: Marketing Manager at Kenya Broadcasting Corporation (KBC)

June 1999-Sept. 2002: Sales and Marketing Manager at Unga Ltd. (Unga Group)

Jan. 1998-June 1999: Business Manager at Muresi Enterprises

July 1990-June 1993: Marketing Manager at Proctor and Allan (Unga Group)

Sept. 1988-June 1990: Deputy Marketing Manager at Unga Maize Millers Ltd

Jan. 1986-Sept. 1988: Brand Manager at East Africa Industries (Unilever)

## KEY RESEARCH PROJECTS

2014-2015Effect of Branding on Performance of Fresh Fruits and Vegetable Farmers in Kiambu County

2011-Animal Feeds Market Evaluation for Pwani Feeds Ltd in Mount Kenya Region

## POSTGRADUATE STUDENTS SUPERVISED

1. Nkari, I.M., Munyoki, J.M., & Kinoti, M.W. (2016). Branding Practices for Fresh Fruits and Vegetable and the Performance of Commercial Farmers in Kiambu County Kenya. *European Journal of Business and Social Studies*. 5 (9):1-15
2. Nkari, I.M. (2016). Moderating Effect of Operating Environment on the Relationship between Branding Practices of Fresh Fruits and Vegetables and Performance of Commercial Farmers. *European Journal of Business and Social Studies*. 5 (7):1-13.
3. Nkari, I.M. (2016). The Influence of Operating Environment on Performance of Commercial Farmers in Kiambu County Kenya. *International Journal of Business and Social Science*. 7 (6):72-82.

4. Nkari, I.M., & Kibera, F.N. (2016). The Influence of Farmer Characteristics on the Performance of Commercial Farmers in Kiambu County Kenya. *European Journal of Business and Social Studies*. 5 (3):63-78.
5. Nkari, I.M. (2016). Moderating effect of farmer characteristics on the relationship between branding practices and performance of commercial farmers. *International Journal of Business Humanities and Technology*. 6 (3):36-45
6. Namu, N.N., Kaimba, G.K., Muriithi, D.K., Nkari, I.M. (2014). Impact of Cost Reduction Strategies on Performance of Tea Factories in Embu County Kenya. *European Journal of Business and Social Studies*. 3 (9):26-48.

#### **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Graduated
1	Kinoti, P. N.	Effects of marketing promotions on sales growth of insurance companies represented in Embu County. (Chuka University, Masters Project in Business Administration, 2016).	2015	Graduated 2016 (MBA)
2	Namu, N. N.	Impact of Cost Reduction Strategies on Performance of Tea Factories in Embu County Kenya. (Chuka University, Masters Project in Business Administration, 2014).	2009	Graduated 2014 (MBA)
3	Naomi, W. K.	Impact of Performance Contracting Strategy on Service Delivery; A Case of Chuka Municipality. (Chuka University, Masters Project in Business Administration, 2013).	2010	Graduated 2013 (MBA)

#### **RESEARCH INTERESTS**

Effect of marketing variables on firm performance

**Henry Kimathi**

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**EDUCATION**

Master of Business Administration Finance Option (UoN)

Bachelor of Commerce - Accounting (KU)

Certified Public Accountant K

**FIELD OF SPECIALIZATION**

Accounting and Finance

**WORK EXPERIENCE**

2013-todate: Lecturer, Department of Business Administration, Chuka University

2011-2013: Assistant Lecturer of Business Administration, Chuka University

**KEY RESEARCH PROJECTS**

2016: Internal Capital markets Efficiency and Financial performance

2015: Financial leverage and performance

**RECENT SELECTED PUBLICATIONS**

1. Karambu, K.G. & Kimathi, H.M. (2016). Community Involvement Disclosure and Financial Performance of Firms Listed At Nairobi Securities Exchange, Kenya. *The Standard International Journals*, 4(10):122-126.
2. Kimathi, H.M; Galo, M.N & Akenga, M.G. (2015). Effect of Leverage on Performance of Non-financial Firms Listed at the Nairobi Securities Exchange. *Journal of Finance and Accounting*, 3(5):132-139.

**POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Moses Kamau Macharia	Effects of Macroeconomic Variables on Unemployment Rate in Kenya	2015	2016
2	Michael Thuo Mwangi	Macroeconomic Determinants of Banks Interest Rate Spread in Kenya	2015	2016

3	Trinner Mukamba Mabele	Influence of working conditions on employee performance: A case of field employees of Nzoia Sugar Company, Kenya	2015	2016
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### **RESEARCH INTERESTS**

Internal Capital markets, Financial risk Management



### **Elizabeth Wambui Njoroge**

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## **EDUCATION**

Ph.D. Ongoing

Master of Statistics

Bachelor of Arts (Mathematics and Economics)

Post Graduate Diploma in Education

Certified Public Accountant, Section 2

## **FIELD OF SPECIALIZATION**

Statistician/ Lecturer

## **WORK EXPERIENCE**

2010-date: Lecturer

1993-2010: Mathematics Teacher

## **KEY RESEARCH PROJECTS**

2014-2017: Ph.D Thesis on going. Quad-Axial Weighted Simplex Centroid Design using Second order Kronecker model to optimize the components for plinth concrete mix for low cost houses.

## **RECENT SELECTED PUBLICATIONS**

1. Njoroge, E.W, Njoroge, G.G. & Muriithi, D.K. 2014. Evaluating Secondary School Examination Results an Application of Principal Component Analysis. *Journal of Statistical and Econometric Methods*, 3(2):31-46
2. Muriithi, D.K., Ngeretha, A.N., Muriungi, R.G., & Njoroge, E.W. 2014. Analysis of the Fluctuation of Gross Domestic Product in Kenya Using Autoregressive Integrated Moving Average Model. *Journal of Statistics Advances in Theory and Applications*. 11(1):31-43
3. Muriithi D.K., Njoroge G.G., Okongo M.O. & Njoroge E.W.2013. Classification of Higher Education Loans Using Multinomial Logistic Regression Model. *Journal of Mathematical Sciences: Advances and Applications*. 22:1-17

## **RESEARCH INTERESTS**

Mixtures



### **Miriam Thogori Nyambura**

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## **EDUCATION**

Ph.D. Supply chain management ongoing

Msc. Procurement and Logistics Management

B.Sc. (hons) Purchasing and Supplies Management

## **FIELD OF SPECIALIZATION**

Procurement and Supply Chain Management Assistant Lecturer

## **WORK EXPERIENCE**

2015 to date: Assistant Lecturer

## **KEY RESEARCH PROJECTS**

2013-Role of Inventory Management on Customer Satisfaction

2015-Factors Affecting Public Procurement in the Public Institutions in Kenya

2015-Role of inventory management on performance of food processing companies.

## **RECENT SELECTED PUBLICATIONS**

1. Miriam Thogori Nyambura, William Mwangi: Factors affecting public procurement in the public institutions in Kenya: a case study of Kenya institute of education. European Journal of Business and Social Sciences, 4(4):52-63 URL: <http://www.ejbss.com/recent.aspx/> ISSN: 2235-767X
2. Thogori M. & Dr. Jane Gathenya: Role of Inventory Management on Customer Satisfaction among the Manufacturing Firms in Kenya: A Case Study of Delmonte Kenya. International Journal of Academic Research in Business and Social Sciences January 2014, 4(1). ISSN: 2222-6990
3. William Mwangi, Miriam Thogori Nyambura: The role of inventory management on performance of food processing companies: A case study of Crown Foods Limited Kenya. European Journal of Business and Social Sciences, 4(4):64-78 URL: <http://www.ejbss.com/recent.aspx/> ISSN: 2235-767X

## **RESEARCH INTERESTS**

Procurement and Supply Chain Management

	<p><b>Lucas Chege Waweru</b></p> <p>Designation: Lecturer</p> <p>Faculty: Business Studies</p> <p>Department: Business Administration</p> <p>Chuka University, P. O. Box 109-60400, Chuka</p> <p>Mobile +254720 964777</p> <p>Email: waweruluc@yahoo.com</p>
--	--

## EDUCATION

Ph.D. Ongoing, JKUAT

M.Sc. in Procurement and Logistics Management

B.Sc. in Purchasing and Supplies Management

## FIELD OF SPECIALIZATION

Procurement and Supply Chain Management

## WORK EXPERIENCE

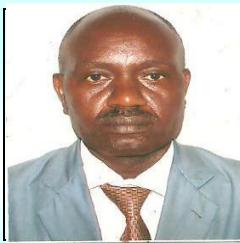
2013 to date: Lecturer

## RECENT SELECTED PUBLICATIONS

1. *Effects of inventory levels and stock outs on procurement Performance at Kenya forestry research institute.* International Journal of Human Resource and Procurement. 1(3): 2013
2. *Role of transport in supply management A case study of Safaricom limited-* International journal of human resource and procurement, 1(3): 2013
3. *Supplier selection criteria and supply chain performance in Non-governmental organizations in Kenya*-European Journal of Business and Management 7(18) 2015
4. *Role of top level management in supply chain performance: a case study of Meru town, Kenya*-European Journal of Business and Social Sciences, 4(3), June 2015.
5. *Government policy on business innovation through public procurement for employment and wealth creation.* Journal of Technology & Social-Economic Development. 3, June 2014. ISSN 2223-9227

## RESEARCH INTERESTS

Procurement and Logistics Management



### **Kennedy O. Moenga**

**Designation:** Lecturer

**Faculty:** Business Studies

**Department:** Business Administration

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## **EDUCATION**

Master of Business Administration, UON

Bachelor of Commerce, UON

## **FIELD OF SPECIALIZATION**

Management Science, Operations Management

## **WORK EXPERIENCE**

2003-2011: Par time Lecturer, Technical University of Kenya

2012 to date: Assistant Lecturer, Chuka University

## **RECENT PUBLICATIONS**

1. Moenga, K. O. (2016). Supply Chain Management practices and challenges for SMEs in Kenya, a case study of the SMEs in the tea sector in Kenya. *Science Journal of Business and Management*, 4(3):182-89
2. Moenga, K. O. (2016). Challenges and implementation of Diversification strategies in public universities in Kenya. *Science Journal of Business and Management*, 4 (3): 182-89.
3. Nyangara M. D, Machani W. N., Moenga, K. O. (2013). Effect of electronic mobile money transfer on financial liquidity and growth of Micro and Small Enterprises: A case of Nairobi, Kenya. *International Journal of Research in Computer application and Management*, (3):46-51

## **COMMUNITY SERVICE**

Chairman of community water project



### Anne N. Ngeretha

**Designation:** Assistant Lecturer

**Faculty:** Business Studies

**Department:** Business Administration

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Email: angeretha@gmail.com

## EDUCATION

Master of Science in Human Resource Management

Bachelor of Commerce

CS (Certified Secretary)

## FIELD OF SPECIALIZATION

Human Resource Management, Co-operative Management, Marketing

## WORK EXPERIENCE

1993-2010: Assistant Lecturer, Co-operative University

2010-2012: Senior Co-operative Officer: Ministry of Cooperative Dev't and Mgt

2013 to date: Assistant Lecturer: Chuka University

## RECENT PUBLICATIONS

1. A.N. Ngeretha. 2015. The co-operative advantage and evolving nature of co-operative enterprises. *IOSR-JHSS*. PP. 106-11.
2. A.N. Ngeretha. Factors influencing performance of women social welfare groups in rural areas. 2015. *SJBM*. PP. 190-195
3. A.N. Ngeretha. Effect of change on performance of learning institutions. 2015. PP 41 *EJBBS-51*
4. C.K. Kaimenyi., A.N. Ngeretha. 2014. Gender instruments, laws, policies and guidelines: A tool for human resource managers in Kenya. *IJARBSS*

## STUDENTS' PROJECTS SUPERVISED

SN	Name	Thesis Title	Date admitted	Status
1	Julius M. Kimwagha	Influence of performance management system on performance in banking sector	2013	2016

## RESEARCH INTERESTS

Women and youth involvement in socio-economic and political environment and their impact on the community or their livelihood

Youth perception and involvement on various perspective on leadership or link between their current education and future career

Co-operatives and their role on community mobilization



### William M. Mwangi

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## EDUCATION

Master of Science Procurement and Logistics Management

Bachelor of Science Purchasing and Supplies Management

Advanced Diploma (CIPS)

## FIELD OF SPECIALIZATION

Procurement and Logistics Management

## WORK EXPERIENCE

2010 - 2011 St. Paul's University 2010 - 2012

2012 to date Lecturer: Chuka University

## RECENT PUBLICATIONS

1. Factors Affecting Adoption of Information Technology in Purchasing and Supply Functions. *Science Journal of Business and Management*. 17(10), Dec 2015.
2. Factors Affecting Public Procurement in the Public Institutions in Kenya. *European Journal of Business and Science*. 4(4), July 2015
3. Factors Hindering Adoption of e-Procurement in Telecommunication Industry in Kenya. *International Journal of Human Resource Management and Procurement*. 1(3), 2013
4. Role of Transport in Supplies Management. *International Journal of Human Resource Management and Procurement*. 1(3), 2013.
5. Role of Inventory Management on Performance of Food Processing Campany. *International Journal of Human Resource Management and Procurement*. 4(4) July 2015.

## RESEARCH INTERESTS

Effectiveness of supply chain management in economical growth in Kenya

Impact of skilled procurement personnel in procurement fraternity

Impact of information technology on supply chain performance



### **Martin Warutere**

Designation: Lecturer

Faculty: Business Studies

Department: Business Administration

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## **EDUCATION**

Master of Business Administration (Marketing), University of Nairobi

B.B.A. (Marketing)

Chartered CPD Programme. The Chartered Institute of Marketing

Peer recognition as a Warrior of the Marketing Society of Kenya

## **FIELD OF SPECIALIZATION**

Marketing

## **WORK EXPERIENCE**

Lecturer, Chuka University

## **RECENT SELECTED PUBLICATIONS**

1. Warutere, M. 2015. Effectiveness of trade promotion in building milk brand in Kenya. European journal of business and social sciences. 4(8):231-245.
2. Warutere, M. 2015. The extent to which consumer promotions builds awareness of dairy products: A case of consumers in Nairobi. European journal of business and social sciences. 4(8):246-259
3. Warutere, M. 2015. Influence of price, product quality, brand image and promotion activities on choice of mobile phone network: A case of embu town, Kenya. European Journal of Business and Management. 7(36):175-184

## **RESEARCH INTERESTS**

Marketing-brand management, advertising, personal selling, sales promotion, distribution, pricing



### Catherine Kathure Kaimenyi

Designation: Lecturer

Faculty: Business Studies

Department: Business Administration

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## EDUCATION

Master of Business Administration

Bachelor of Business Administration, Human Resource Management Option

**FIELD OF SPECIALIZATION:** Human Resource Management

**WORK EXPERIENCE:** Lecturer, Chuka University

## RECENT SELECTED PUBLICATIONS

1. Momanyi, N.B. & Kaimenyi, C.K. (2015). An investigation into factors causing high nurse turnover in mission hospitals in Kenya: A Case for PCEA Chogoria Hospital. International Journal of Academic Research in Business and Social Sciences, 5(3):55-86. DOI:10.6007/IJARBSS/v5-i3/1499
2. Kaimenyi, C.K. (2014). The influence of conflict management styles on leadership approaches within small-scale businesses in Kenya. Journal of Business and Management, 16(9/1):55-59
3. Kaimenyi, C.K. & Ngeretha, A. (2014). Gender instruments, laws, policies and guidelines: A tool for human resource managers in Kenya. International Journal of Academic Research in Business and Social Sciences, 4(7):220-227. DOI: 10.6007/IJARBSS/v4-i7/1001
4. Chege, S.M., & Kaimenyi, C.K. (2013). The role of leadership in the growth of youth owned enterprises in Kenya: A case of Nyeri County. International Journal of Research, Commerce and Management. 4 (9):93-96.
5. Kaimenyi, C.K., Kinya, E., & Chege, S.M., (2013). Analysis of affirmative action: The two thirds gender rule in Kenya. International Journal of Business, Humanities and Technology, 3 (6):91-97.

## STUDENTS' PROJECTS SUPERVISED

SN	Name	Thesis Title	Year in	Status
1	Trinner Mukamba Mabele	Contextual Factors influencing employee performance in sugar manufacturing industry: A case study of field employees of Nzoia Sugar Company, Kenya	2016	Graduated

## RESEARCH INTERESTS

Gender at workplace

**Kenneth Mutuiri Nthuni**

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**Faculty:** Business Studies

**Department:** Business Administration

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**EDUCATION**

Master of Business Administration, Kenyatta University

Bachelor of Agribusiness Management, Egerton University

Diploma in Business Management

**FIELD OF SPECIALIZATION**

Agribusiness Management and Finance

**WORK EXPERIENCE**

Assistant Lecturer

**RECENT SELECTED PUBLICATIONS**

1. Nthuni K. M, Kathuni L. K, kinyua & Mochoge T. M, 2014. An investigation into the impact of microfinance loans on performance of small businesses: a case study of Meru south district-Kenya IJRCM-3\_vol-4\_2014\_issue-01-art-15

**RESEARCH INTERESTS**

Agribusiness management

Supply Chain value addition for agricultural commodities to improve prices in the international markets.

Agribusiness international marketing.



### Rael Nkatha Mwirigi

**Designation:** Assistant lecturer

**Faculty:** Business Studies

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## EDUCATION

Masters in Business Administration

Bachelor of Business Administration

Diploma in Environmental Studies and Diploma in Leadership Studies

## FIELD OF SPECIALIZATION

Lecturer in Marketing

## WORK EXPERIENCE

2011 to date: Lecturer, Chuka University

2000-2010: SMEP DTM-Branch Manager

1996-2000: National Council of Churches of Kenya-Credit officer

## RECENT SELECTED PUBLICATIONS

1. Lenity K. M., Mwirigi, R. & Njoroge, J. (2013). Corporate social responsibility in banking institutions in relation to client satisfaction and competitive advantage: A case of commercial banks in Chuka. *International Journal of Research in Computer and Management.* 3:(6)
2. Mwirigi R. & Mugendi, L. (2013). The role of marketing-mix strategies on growth of micro and small enterprises in Meru County-Kenya. *International Journal of Research in Commerce, Economics and Management.* 3(6).
3. Lenity, K. M.; Mwirigi, R.; Njoroge, J. M. & Galo, N. (2013). The determinants of supply of Kenya's major agricultural crop exports from 1963 to 2012. *International Journal of Business, Humanities and Technology,* 3(5).

## STUDENTS' PROJECTS SUPERVISED

S/N	Name	Thesis Title	Year in	Status
1	Edwin Mugambi	Effectiveness of Strategic Management Practices on Competitive Advantage of SACCO's in Tharaka-Nithi County.	2015	Ongoing
2	Salim Mike Gitari	Influence of electronic product attributes on consumer purchase decision among secondary school teachers in Tharaka-Nithi County	2015	Ongoing

## RESEARCH INTERESTS

Customer Relationship Management; Branding; Customer Satisfaction; Social Marketing; Promotion



### **Lenity Kananu Maugu**

Designation: Lecturer

Faculty: Business Studies

Department: Business Administration

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## **EDUCATION**

Ph.D. (Economics) On-going

Master of Arts (Economics)

B.Sc./B.A. (Economics & Business); CPA1

## **FIELD OF SPECIALIZATION**

Economist

## **WORK EXPERIENCE**

2009-Date: Lecturer in Economics, Chuka University

2005-2006: Research Assistant, Kenya Anti-Corruption Commission

2002: Accountant, Telkom Kenya

2002: Clerk, Electoral Commission of Kenya

## **KEY RESEARCH PROJECTS**

2013-date: Equity in health care financing and its redistribution effect in Kenya

## **RECENT SELECTED PUBLICATIONS**

1. Lenity K. M., R. Mwirigi & Njoroge J. 2013. The Determinants of Supply of Kenya's Major Agricultural Crop Exports from 1963 to 2012. *International Journal of Business, Humanities and Technology*. 3(5) 54-62
2. Lenity K. M., R. Mwirigi & Njoroge J. 2013. Corporate Social Responsibility in Banking Institutions in Relation to Client Satisfaction and Competitive Advantage: A Case of Commercial Banks in Chuka. *International Journal Research in Computer Application & Management*. 3(6) 116-121
3. Mwirigi, R.N & Lenity K.M. 2013. The role of marketing-mix strategies on growth of micro and small enterprises in Meru county-Kenya. *International Journal Research in Commerce, Economics & Management*. 3(6) 73-86

## **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis Title	Year in	Status
1	Lucy Nyambura Muturi	Effectiveness of Competitive Strategies on Growth of Service Based Small and Medium Enterprises: A Case of SMEs in Embu Town, Kenya	2012	Graduated, 2015

2	Miriam Wamaitha Thuo	Effect of Gross Investment on Economic Growth in Kenya	2014	Graduated, 2016
3	Peter Kiminza Kimile	Effect of Foreign Direct Investment on Wage and Employment Levels in Kenya	2014	Graduated, 2016
4	Tore Kipngetich Nelson	Effect of Interest Rate on Domestic Private Investment in Kenya	2014	Graduated, 2016
5	Maureen Muthoni Ndagara	Effectiveness of Monetary Policy Intervention on Exchange Rate Volatility in Kenya	2014	Graduated, 2016

## **RESEARCH INTERESTS**

Economics

	<p><b>Thomas Mochoge Motindi</b>  Designation: Lecturer  Faculty: Business Studies  Department: Business Administration  Chuka University, P. O. Box 109-60400, Chuka  Mobile +254 720074095. Email: tmotindi@chuka.ac.ke OR  tmotindi@gmail.com OR tmotindi@yahoo.com</p>
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## EDUCATION

M.Com. in Insurance Management  
Bachelor of Law (LLB) Hons  
B.Com. in Financial Accounting and Auditing

## FIELD OF SPECIALIZATION

Insurance

## WORK EXPERIENCE

Nov 2011-Date: Lecturer, Chuka University  
2010-2011: Part time Lecturer, Egerton University  
2008-2009: Customer Consultant, CFC Stanbic bank  
2007-2008: Customer Advisor, Barclays Bank of Kenya

## RECENT SELECTED PUBLICATIONS

1. Langat, L. C., Mwangi, J. K & Motindi, T.M. The role of corporate social responsibility activities on Egerton University's public image: A case of Njoro division community. IJRCM 4(2013) issue No. 4 (April)
2. Nyangara, D. M., Motindi,T.M. & Mwangi, J.K. 2013.The impact of adopting computerized accounting information systems for effective management of accounting transactions in public institutions, case of kenya school of government. IJRCM 13(2013) issue No. 03 (March)
3. Motindi, T. M, Mungenda, N. G. & Kimathi, H. M. Determinants of constraints to low provision of livestock insurance in Kenya: a case study of Nakuru County. IJRCM 2(2012) issue No. 11 (November)

## STUDENTS' PROJECTS SUPERVISED

SN	Name	Thesis Title	Date in	Status
1	Murithi Karugi Mutegi	Effect of micro insurance segment on insurance uptake in Kenya.	2014	Graduated
2	Livingstone Makori Ochwando	Effect of insurance distribution channels on growth of insurance industry in Kenya	2014	Graduated



### **John Mutisya Mutua**

Designation: lecturer

Faculty: Business Studies

Department: Business Administration

Chuka University, P. O. Box 109 - 60400, Chuka

Mobile +254 0720831792

Email: mutuajm@yahoo.com/ jmutua@chuka.ac.ke

## **EDUCATION**

Master of Business Administration (Strategic Management)

Business and Management (Accounting)

CPA (K)

## **FIELD OF SPECIALIZATION**

Lecturer (Accounting)

## **WORK EXPERIENCE**

2017-date: Lecturer

2012-2016: Assistant Lecturer

## **RECENT SELECTED PUBLICATIONS**

1. Effect of bookkeeping on the growth of small and medium enterprises in Chuka Town [102-112] [pdf] european Journal of Business and Social Sciences
2. Effect of mitigating credit risk on performance of Commercial Banks in Kenya: a case of Chuka Town [113-125] [pdf] european journal of business and social sciences issn : 2235-767x
3. Effect of tax collection on service delivery of County government in Kenya: a case study of Machakos County Government: European Journal Of Business And Social Sciences, 5(2): maM 2016

## **STUDENTS' PROJECTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Mathew Kangogo	Effect of internal control on financial performance of Sacco's	2015	Graduated
2	Agnes Muthoni	Effect of prudent utilization of CDF funds on constituency projects	2014	Graduated

## **RESEARCH INTERESTS**

Accounting and Finance.

**Patrick Mutwiri Karitu**

**Designation:** Assistant lecturer

**Faculty:** Business Studies

**Department:** Business Administration

Chuka University, P. O. Box 109-60400, Chuka

Mobile +254 723 641979

Email: patrick.karitu@gmail.com

**EDUCATION**

Master of Agribusiness and Rural Development

Bachelor of Agribusiness Management

**FIELD OF SPECIALIZATION**

Agribusiness

**WORK EXPERIENCE**

2014 to date Assistant lecturer

2008-2014 Senior Agriculture Officer, Ministry of agriculture

**KEY RESEARCH PROJECTS**

2012-2014: MSc Thesis: Economic analysis of small holder maize farming in Kenya

**RESEARCH INTERESTS**

Interest in agribusiness management

**Kenneth Kigundu Macharia**

**Designation:** Graduate Assistant

**Faculty:** Business Studies

**Department:** Business Administration

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Tel.:+254 724561329/732899372.

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kigundukenneth@yahoo.com

**EDUCATION**

Master of Science in Economics (Chuka University)

B.Sc. in Economics and Statistics (Chuka University)

CPA Kenya

**FIELD OF SPECIALIZATION**

Economics

**WORK EXPERIENCE**

2015-2016: Graduate Assistant

**KEY RESEARCH PROJECTS**

2015-2016: Effects of external public debt on macroeconomic variables in Kenya

**RECENT SELECTED PUBLICATIONS**

Jonathan, O. & Kigundu, K.M. 2016. Effects of External Public Debt on Economic Growth in Kenya. *Journal of Business and General Management*. 1(2)11-20

**RESEARCH INTERESTS**

Macroeconomics, Microeconomics, Public Sector Economics, Financial Economics, Monetary Economics, International Economics Public Finance and Development Economics.



**Pauline Nyokabi Kamau**

**Designation:** Graduate Assistant

**Faculty:** Business Studies

**Department:** Business Administration

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## **EDUCATION**

Master of Science in Agribusiness Management and Trade, Kenyatta University

Bachelor of Agribusiness Management, Chuka University

## **FIELD OF SPECIALIZATION**

Agribusiness Management

## **WORK EXPERIENCE**

2015-date: Graduate Assistant

## **RESEARCH INTERESTS**

Agricultural Marketing, Technology adoption in farming, Agri-supply chain efficiency and value chain development

**Jane Mumbi Thuita**

**Designation:** Teaching Assistant

**Faculty:** Business Studies

**Department:** Business Administration

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**Email:** janemumbithuita@gmail.com

**EDUCATION**

Master of Business Administration (Accounting))

Bachelor of Commerce

CPA Kenya

**FIELD OF SPECIALIZATION**

Accounting

**WORK EXPERIENCE**

Teaching Assistant

Accountant at Corporate Organizations

**KEY RESEARCH PROJECTS**

2016: Effect of corporate tax planning on financial performance of firms listed at NSE

2012: Factors affecting the adoption of management accounting techniques by SMEs

**RESEARCH INTERESTS**

Areas of Accounting and Finance



**Miriam Wamaitha Thuo**

**Designation:** Graduate Assistant

**Faculty:** Business Studies

**Department:** Business Administration

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## **EDUCATION**

M.Sc. in Economics

B.Sc. in Economics and Statistics

## **FIELD OF SPECIALIZATION**

Economics

## **WORK EXPERIENCE**

2015-2016: Graduate Assistant at Chuka University

## **KEY RESEARCH PROJECTS**

2016: Effect of Gross Investment on Economic Growth in Kenya

2012: Linear Statistical Modeling of Kenya's GDP Growth

## **RESEARCH INTERESTS**

Economics



### **Maureen Muthoni Ndagara**

**Designation:** Teaching/Graduate Assistant

**Faculty:** Business Studies

**Department:** Business Administration

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[ndagaramaureen@gmail.com](mailto:ndagaramaureen@gmail.com)/[ndagaramaureen@yahoo.com](mailto:ndagaramaureen@yahoo.com)

## **EDUCATION**

Master of Science in Economics (Chuka University)

B.Sc. in Economics and Statistics (Chuka University)

## **FIELD OF SPECIALIZATION**

Economics

## **WORK EXPERIENCE**

Nov. 2014-Present: Teaching/Graduate assistant at Chuka University

August-Nov 2014: Part-time Lecturer, Chuka University and Kenya Water Institute (Chiakariga Campus)

Feb-July 2014: Volunteer and Part-time Lecturer at Kenya, Water Institute (Chiakariga Campus)

Feb-Oct. 2013 High School BOM Teacher at Kiereni High School

Sep. 2008-Aug 2009: High School BOM Teacher at Gankanga High school

## **KEY RESEARCH PROJECTS**

2016: Effectiveness of Monetary Policy on Exchange Rate Volatility

2012: Forecasting Volatility of US Dollar to Kenyan Shilling Exchange Rate using GARCH (1, 1) Model

## **RESEARCH INTERESTS**

Economics

## FACULTY OF EDUCATION RESOURCES & DEVELOPMENT



**Prof. George Mungiria Muthaa**

**Designation:** Director, Board of Postgraduate Studies

**Faculty:** Education Resources & Development

**Department:** Education

Chuka University, P. O. Box 109-60400, Chuka, Kenya.

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**Email:** gmuthaa@chuka.ac.ke OR gmuthaa@yahoo.com

### EDUCATION

Ph.D. in Educational Management

Masters of Education in Education Management

Bachelor of Education in Business and Economics

Graduate Diploma in Leadership Development, ICT and Knowledge Society, Dublin City University

### FIELD OF SPECIALISATION

Education Administration, Economics of Education, and Strategic Management

### WORK EXPERIENCE /EXTERNAL EXAMINATION

2014 to date: Director Board of Post Graduate Studies

2015 to date: Peer reviewer Commission for University Education

2015 to date: External Examiner Meru University

2014 to date: External Examiner Maseno University

2013 to date: External Examiner Kenya Methodist University

2014: Consultancy: Gesci, Module Tutor: Research and Report Development

### RECENT SELECTED PUBLICATIONS: BOOK OR REFEREED JOURNAL

1. Mwirigi, F. S., Muthaa, G., Mutisya, S. & Ronoh, R. (2016). Perceived influence of communication at home on secondary school students' academic performance in Meru County, Kenya. *International Journal of Asian Social Science*, 7:161-168.
2. Kuria, D. W., Nur, E. Y. & Muthaa, G. M. (2015). Influence of In-Service Training (SMASSE) on Teachers' Preparedness and Content Delivery in Teaching of Chemistry in Secondary Schools in Wajir County, Kenya. *International Research Journal for Quality in Education*, Vol. 2 (7)
3. Mbijiwe, M. J., Wamukuru, D. K. & Muthaa, G. M. (2015). Factors affecting pupils' transition to secondary schools in Meru Central Sub-County, Kenya. *Journal of Education and Human Resources*. ISSN 1563-0188, 7(2): 44-49
4. Mwanzia, R. M., Muthaa, G.M. & Ogola, F. O. (2015). Reconstructionist Analysis on the Relevance of Secondary School Curriculum Content in Promoting National Cohesion among Students in Machakos Town Sub-County, Kenya. *International Journal of Education and Research*, 3 (10): 1-10.

5. Mwirigi, S. F. & Muthaa, G. M. (2015). Impact of Enrollment on the Quality of Learning in Primary Schools in Imenti Central District, Kenya. *Journal of Education and Practice*, 6(27).
6. Njue, E.K. & Muthaa, G.M. (2015). Influence of Availability of Sanitary Facilities on the Participation of the Girl-Child in Public Primary Schools in Garissa County, Kenya. *Open Journal of Social Sciences*, 3:162-169
7. Muthaa, G. M. & Igweta, F. K (2015). Factors Affecting Implementation of Development Plans in Public Secondary Schools in Meru Central Sub-County, Kenya. *Studies in Social Sciences and Humanities*, 3(1):35-44
8. Muthaa, G.M. (2015). Strategies of Promoting Technical Skill Training in Technical Training Institutions in Kenya. *Research Academy of Social Sciences. Journal of Studies in Social Sciences and Humanities*. 2(2): 99-104
9. Murungi, J.M. & Muthaa, G.M. (2015). Parental Involvement in Acquisition of Literacy Skills in Akithi Division, Tigania West District, Kenya. *International Journal of Case Studies*. 4(2):
10. Muthaa, G.M. (2015). Socio-cultural factors contributing to gender disparity on enrolment of students in technical disciplines in technical training institutes in Mt. Kenya Region, Kenya. *Journal of Education and Literature*; 3(1):6-12
11. Muthaa, G.M. (2015). Improving technical education for human resource training for the realization of Vision 2030. *International Journal of Case Studies*.
12. Muthaa, G.M.; Muriungi, P.K. & Njue, E. K. (2014). Competence of Security Officers in the Management of National Examinations in Secondary Schools in Eastern Province, Kenya. *Open Journal of Social Sciences (JSS)*, DOI: 10.4236/jss.2014.212010
13. Kirugua, J.M; Muthaa, G.M.; Micheni, L.S. & Elias, E.M. (2014). Home Based Factors Influencing Enrolment and Retention of students in German Language Classes in Meru and Tharaka-Nithi Counties, Kenya. *International Journal of Education and Research*, 2(11): 473
14. M'Muyuri, M. M.; Bururia, D. N. & Muthaa, G. M. (October 2014). Socio-Economic and Religious Factors Contributing to Drop Out Among Male Pupils in Primary Schools of Igembe Sub County, Kenya. *Journal of Educational Policy and Entrepreneurial Research*. 1(2):58-68 58.
15. Karimi, J.; Muthaa, G.; Bururia, D.; Karimi, V. & Mburugu, B. (2014). Assessment of Counseling Needs among Students in Kenyan Universities. . *Journal of Education and Practice*, 5(12): 36
16. Njue, E.K.; Muthaa, G.M. & Muriungi, P.K. (2014). Effectiveness of examination handling and distribution procedures in curbing malpractices in secondary schools in eastern province, Kenya. *Creative Education (CE)* ISSN 2151-4755 (Print); ISSN 2151-4771 (Online). DOI: 10.4236/ce.2014.58068
17. Murungi, J.M.; Muthaa, G.M.; Micheni, L. & Elias, E.M. (2014). Strategies for Improving Parental Involvement in Acquisition of Literacy Skills among Pupils in Primary Schools in Akithi Division, Tigania West District, Kenya. *Open Journal of Social Sciences (JSS)*, DOI: 10.4236/jss.2014.24026

### POSTGRADUATE STUDENTS SUPERVISED

SN	Name	Thesis Title	Date in	Status
1	Gitari, E. M.E. (PhD)	Influence of performance contracting on service delivery in public universities, Kenya	2012	To graduate
2	Mugambi L.K. (PhD)	Efficacy levels of therapeutic counseling in dealing with psychological needs among adult refugees: a case of Dadaab refugee camp, Garissa County, Kenya	2013	Graduated, 2016
3	Njue, E. K. (PhD)	Effectiveness of Examination Policies in Curbing of Examination Malpractices in Secondary Schools in Eastern Province, Kenya.	2010	Graduated, 2013
4	Karimi, J. (PhD)	Needs Assessment and Utilization of Counseling Services among Students in Kenyan Universities.	2011	Graduated, 2014
5	Micheck M. (Masters)	Causes of Drop-out among Male Pupils in Primary Schools of Igembe District. 2010.		Graduated, 2010
6	Micheni, M.S. (Masters)	Factors contributing to wastage in secondary schools in Meru South District, Kenya. 2011.		Graduated, 2011
7	Kibet Komen (Masters)	Factors Contributing to Students' Poor Performance in Mathematics at Kenya Certificate of Secondary Education in Kenya, A Case of Baringo County, Kenya.		Graduated, 2011
8	Mbuthi, M.P. (Masters)	Impact of HIV/AIDS Awareness on Sexual Behaviour among Secondary School Students in Mbeere South District, Kenya.		Graduated, 2011
9	Mitambo, M. G. (Masters)	Factors Affecting Participation of students in Day Secondary schools in Tigania East District, Kenya.		Graduated, 2012
10	Murungi, J.M. (Masters)	Influence of parental involvement on acquisition of literacy skills among pupils in primary schools in Akithi Division, Tigania West District, Kenya.		Graduated, 2012
11	Koome, P.K (Masters)	Training Needs of Principals on Financial Management, A Case of Public Day Secondary Schools in Buuri District Meru County, Kenya.		Graduated, 2013

12	Kathuni, E.P.G. (Masters)	Effectiveness of Principals in Provision of Curriculum and Instructional Leadership: A Case of Meru South District Kenya.		Graduated, 2013
13	Mwanzia, R.M. (MED)	Reconstructionist analysis on the relevance of secondary school curriculum in promoting national cohesion among students in Machakos Town Sub-County, Kenya		Graduated, 2014
14	Kiruki, I. K. (Masters)	Relevance of in Service Training to Teachers Role Performance in Imenti South Sub County Kenya.		Graduated, 2014
15	Elmoge, Y.N. (Masters)	Influence of SMASSE on the Quality of Teaching and Learning of Chemistry in Secondary Schools in Wajir County, Kenya.		Graduated, 2014
16	Kaaria, J. (Masters)	Utilization Of Information and Communication Technology in Teaching and Scool Management in Public Secondary Schools in Meru County Kenya.		Graduated, 2014
17	Mumo, P.M. (Masters)	Perception on Effectiveness of Internal instructional Supervision on Teachers Performance in Public Secondary Schools in Mutomo District, Kenya.		Graduated, 2014
18	Matiri, F. N. (Masters)	Effects of drug abuse on discipline and academic performance among secondary school students in Meru Central SubCounty Meru County		Graduated, 2015
19	Njue,E.N (Masters)	Impact Of Socio-Cultural and Economic Factors on Pupils Academic Performance in KCPE in Public Primary Schools in Kyeni Division, Kenya		Graduated, 2015
20	Muli, J.K(Master s)	Impact of Kenya National Union of Teachers in Enhancing Quality Education in Public Primary Schools in Laikipia County Kenya.		Graduated, 2015
21	Mbuko, H.N.J. (Masters)	Socio-Cultural and Economic Factors Influencing Completion Rates Among Boys in Public Day Primary Schools in Meru South SubCounty, Kenya.		Graduated, 2015

22	Nkonge, J.K. (Masters)	Effectiveness of Constituency Bursary Fund on Student Participation at Secondary School Level in Tharaka Nithi County, Kenya.		Graduated, 2015
23	Karemu, L.K. (Masters)	Factors Affecting Supply of Goods and Services in Secondary Schools in Meru Central Sub-County, Kenya.		Graduated, 2015
24	Sora, A.A (Masters)	Stakeholders preparedness in implementation of adult literacy programmes in Sololo Sub-County, Kenya		Graduated, 2016
25	Mugambi, E.G. (Masters)	Relationship between selected motivation strategies and students academic achievement in public day secondary schools in maara sub- county, Kenya		Graduated, 2016

### **RESEARCH INTERESTS**

Emerging issues in education management  
 Financing and economics of education  
 Strategic management in education

**Prof. Veronica Karimi Nyaga**

**Designation:** Associate Professor/Coordinator Teaching Practice & Psychology Section

**Faculty :** Education Resources & Development

**Department :** Education

Chuka University, P. O. BOX 109-60400, Chuka, Kenya.

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**EDUCATION**

Ph.D. (Counselling Psychology), Egerton University

M.Ed. (Guidance & Counselling), Egerton University

B.Ed. (Arts), Moi University

**FIELD OF SPECIALISATION**

Counselling Psychology

Associate Professor of Counselling Psychology

**WORK EXPERIENCE**

2016 to date: Associate Professor

2012-2016: Senior Lecturer

2009-2012: Lecturer

2008-2009: Student Counsellor

**KEY RESEARCH PROJECTS**

2014: Effectiveness of Guidance and Counselling Services on Development of Students Academic Competence. A comparative Study of Public and Private Universities in Kenya

2015: Effects of Imprisonment on Interpersonal Relationships among Female Inmates in Selected Prisons in Kenya

**RECENT SELECTED PUBLICATIONS:**

1. Benjamin M. K., Veronica K. N., Hillary K. B. 2015. Effectiveness of Guidance and Counselling Services in Enhancing Students Adjustments to School Physical Environment in Public Boarding Secondary Schools in Kenya. *International Journal of Education and Research* 3(7):201-212
2. Mary M.M., Veronica K. N, Conny K. K. 2015. Influence of Family factors on Development of moral competences of Secondary School students in Embu West District, Kenya. *European International Journal of Applied Science and Technology* 1(3):130-139
3. Grace G. M., Veronica K. N., Hillary K. B. 2015: Impact of Interpersonal Adaptation on Academic Achievement among Students: A Comparative Study Of Boys And Girls In Boarding Secondary Schools in Meru County, Kenya. *Journal of Education and Practice*, 6(23):36-37.

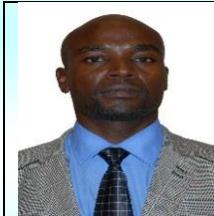
4. Millicent M. M., Veronica K. N., Monicah B. O., 2014: Selected factors contributing to alcoholism among Secondary School students in Mwimbi Division, Kenya. *European Scientific Journal* 10(14):373-379
5. Veronica K. N, Monicah B. O. John M. K. 2014: Effectiveness of Guidance and Counselling Services on Development of Students Social Competence. A comparative Study of Public And Private Universities In Kenya *International Journal of Education and Research* 2(4):21-28

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date in	Status
1	Dr. Lucy Kanyua Mugambi	Efficacy levels of therapeutic counselling in dealing with psychological needs among adult refugees: A case of Daadab refugee camp, Garissa county Kenya.	2012	Graduated 2016
2	Dr. Daniel Njane Thuo	Relationship between teachers self - efficacy in teaching HIV/AIDS education and students knowledge and attitude towards sexual behaviour in secondary schools in Coast Region Kenya.	2011	Graduated 2016
3	Dr. John Mwithali Kamoyo	Psychosocial effects of imprisonment and coping mechanisms among female inmates in selected prisons in Kenya.	2011	Graduated 2015
4	Dr. Grace Gatune Murithi	Impact of psychosocial adaptation on academic achievement among students: A comparative study of boys and girls in boarding secondary schools in Meru county, Kenya.	2011	Graduated 2015
5	Dr. Jane Karimi Peter	Assessment and Utilisation of counselling needs by University Students in Kenya.	2010	Graduated 2014
6	Dr. Susan Muthoni Kinyua	Post female genital mutilation effects and coping strategies by girl-child among Ameru community of Kenya.	2009	Graduated 2013
7	Dr. Beatrice Mwarania Mburi	Psychosocial effects and coping mechanisms of widowed: A comparative study of widowed Men and women in Meru County Kenya.	2009	Graduated 2013

#### **RESEARCH INTERESTS**

Psychometrics



### Dr. Hillary Kipngeno Barchok

**Designation:** Senior Lecturer / Dean

**Faculty:** Education Resources & Development

**Department :** Education

Chuka University, P. O. Box 109-60400, Chuka, Kenya.

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barchokhillary@chuka.ac.ke/barchokhillary@yahoo.com

## EDUCATION

Ph.D. (Curriculum Development), Moi University

Master of Education (Science Education), Egerton University

Bachelor of Education (Science Education), Egerton University

## FIELD OF SPECIALISATION

Curriculum Development Senior Lecturer

## WORK EXPERIENCE

November 2012 to date: Dean Faculty of Education and Resources Development

## RECENT SELECTED PUBLICATIONS

1. K.H. Barchok, J.K. Too & K.J. Nge'no (2013). *Effect of Collaborative concept mapping teaching strategy on students' attitudes towards chemistry in selected secondary schools in Kenya*. Asian J. Social Sciences and Humanities 2(2)
2. J.M. Changeiywo, J.K. Nge'no & H.K. Barchok (2013). *Differences in teachers' intentions to apply SMASSE methods in teaching secondary school mathematics and sciences based on gender and working experience in Kericho and Bomet Counties of Kenya*. Asian Journal of Social Sciences and Humanities, 2(2)
3. Keter, J, Barchok H.K. & Ngeno J.K. (2014). *Effects of Cooperative Mastery Learning Approach on Students' Motivation to Learn Chemistry by Gender*. Journal of Education and Practice, 5(8)
4. L.K. Kobiah, M. W. Njagi, Hillary Kipngeno Barchok & J. M. Kobia (2015). *Teachers' participation in selection and organization of curriculum content and effective implementation of secondary school curriculum in Kenya*. International Journal of Current Research, 7(9): 20290-20295.
5. S.N. Mwangi, H. Barchok & F. Ogola (2015). *Application of progressivist's learner-centered approaches in teaching and learning of Mathematics in public primary schools*. British J. Education, Society & Behavioural Science, 12(3)
6. M. B. Oundo, V. K. Nyaga, H. K. Barchok, Mary Murangi Mureithi (2013). *Assessment of Counselling Needs Related to Mathematics Performance among Secondary School Students in Maara District, Kenya*. American International Journal of Contemporary Research, 3(8).
7. J. M. Kamoyo, V. K. Nyaga, H. Barchok & B. Mburugu (2015). *Effects of Imprisonment on Interpersonal Relationships among Female Inmates in Selected Prisons in Kenya*. International Journal of Education and Research, 3(7)

8. D. Thuo, V. Nyaga, D.N. Bururia & B. Hillary (2016). *Relationship between teachers' attitudes towards teaching HIV/AIDS Education and students' knowledge and attitudes towards sexual behavior in secondary schools in Coast Region, Kenya*. I. J. Research in Education and Social Sciences, 1(1).
9. J. M. Muchiri, H.K. Barchok, & Kathuri N. (2015). *Effect of computer assisted teaching strategy on students' motivation to learn agriculture in secondary schools in Kenya*. Merit research Journal of Education and Review 3(8):269-274).
10. L. K. Kobiah, M.W.Njagi, H.K. Barchok (2015). Teachers' participation in curriculum conceptualization and effective implementation of secondary school curriculum in Kenya. International Journal of Education and Research, 3(7).
11. B. Kanga, V. Nyaga & H. Barchok (2015). *Effectiveness of guidance and counseling services in enhancing students' adjustment to school physical environment in public boarding secondary schools in Kenya*. I. J. Educ Res, 3(7)
12. G. G. Mureithi, V. K. Nyaga & H.K Barchok (2015). *Impact of Attitudinal adaptations on academic achievement among students in boarding secondary schools in Meru County, Kenya*. Journal of Education and Practice, 6(23).
13. J. M. Muchiri, H. K Barchok, & Kathuri N. (2015). *Effect of computer assisted teaching strategy on students' achievement in agriculture in secondary schools in Kenya*. International Journal of Education and Research, 3(8).

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date in	Status
1	Joyline Mugero	Effects of computer assisted teaching strategy on students motivation and achievement in agriculture in Secondary Schools in Kenya	2012	PhD Agric Education - 2015
2	Lydia Kanake Kobiah	Relationship between teachers' participation in curriculum dev't process and effective implementation of sec. school curriculum in Kenya	2011	PhD Curriculum+ Instruction - 2015
3	Benjamin Mugambi Kanga	Effectiveness of Guidance and Counseling Services in Enhancing Students' Adjustment to School Environment in Public Boarding Secondary Schools in Kenya	2010	PhD Counselling Psychology 2015
4	John Mwithali Kamoyo	Psychological effects of imprisonment and coping mechanism among female inmates in selected prisons in Kenya	2011	PhD CPSY 2015
5	Anthony Kinyua Njue	Effect of Vee Heuristic teaching approach on secondary school students' achievement, creativity and attitudes towards biology in Tharaka Nithi County, Kenya	2011	PhD Science Education - 2015



### Dr. Mercy Wanja Njagi

**Designation:** COD, Department of Distance Learning

**Faculty:** Education Resources & Development

**Department:** Distance Learning/Education

Chuka University, P. O. Box 109-60400, Chuka, Kenya.

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**Email:** mercynjagi70@gmail.com

## EDUCATION

Ph.D. in Science Education

Master of Education in Science Education

Bachelor of Science

PostGraduate Diploma in Education

## FIELD OF SPECIALISATION

Lecturer

## WORK EXPERIENCE /EXTERNAL EXAMINATION

2014 to date: Lecturer

2015 to date: COD, Distance Learning

## RECENT SELECTED PUBLICATIONS

1. Njagi, M.W. & Silas, N.S. (2016). Effects of use of mobile phones on learning activities and social life among university students in Kenya. *International J. Recent Research in Science, Engineering and Technology*, 2(10):211-220.
2. Njagi, M.W. & Silas, N.S (2015). Relevance of Kenya secondary school chemistry instruction in preparation of students pursuing chemistry at University Level. *International Journal for Innovation Education Research*, 3(11):1-10
3. Kobiah, K.K., Njagi, M.W., Barchok, H.K., Kobia, J.M. (2015). Teachers Participation in Selection and Organization of Curriculum Content and Effective Implementation of Secondary School Curriculum in Kenya. *International Journal of Current Research*, 7(9):20290-20295.
4. Njagi, M.W. (2015). Language issues on Mathematics Achievement. *International Journal of Education and Research*, 3(6):167-178
5. Njagi, M.W. (2015). The Effects of Differentiated Instruction on Students Achievement in Mathematics by Gender in Secondary Schools in Meru County in Kenya. *International Journal of Education and Research*, 3(3):377-386.

## POSTGRADUATE STUDENTS SUPERVISED

SN	Name	Thesis Title	Date in	Status
1	Dr. Kirimi Denis Obote	Effectiveness of Integrating Science Process Skills in Teaching Mathematics on Students Problem Solving Abilities, Attitudes and	2013	Graduated 2016

		Achievement in Secondary Schools in Tharaka-Nithi County, Kenya.		
2	Dr. Lydia Kanake Kobiah	Relationship between Teacher Participation in Curriculum Development Process and Implementation of Secondary School Curriculum in Kenya.	2010	Graduated 2015
3	Muriuki Justin Nkune	Effectiveness of scientific Problem Solving Instruction on Students Achievement and Attitude towards physics in Secondary Schools in Igembe South Sub-County, Meru County, Kenya	2011	Graduated 2016
4	Mugwiria Rose Gatune	Effectiveness of Differentiated Instruction on Students Academic Achievement, Self-concept Ability and Motivation towards Learning Chemistry in Secondary Schools in Maara Sub-County, Kenya.	2011	Graduated 2016
5	Jane Kagendo Muli	Impact of Kenya National Union of Teachers in Enhancing Quality Education in Public Primary Schools in Laikipia County, Kenya.	2012	Graduated 2015
6	Lucy Kigetu Kiruki	Church Sponsor Factors Affecting Pupils Academic Performance: A Case of Seventh Day Adventist Sponsored Public Primary Schools in Tharaka South Sub-County, Kenya.	2010	Graduated 2015
7	Deborah Gaiti Kithinji	Socio-Cultural and Economic Practices Contributing to Pupils Poor Academic Achievement in Primary Schools in Meru Central SubCounty, Kenya.	2010	Graduated 2014

## RESEARCH INTERESTS

Innovative Teaching Approaches and Methods, Curriculum Review and Implementation, Teaching and Learning Resources



### **Dr. Joyline Mugero Muchiri**

**Designation:** Lecturer /Coordinator Educational programmes – Igembe Campus

**Faculty :** Education Resources & Development

**Department :** Education

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[jmuchiri@chuka.ac.ke](mailto:jmuchiri@chuka.ac.ke) OR [mugambijoyline@yahoo.com](mailto:mugambijoyline@yahoo.com)

## **EDUCATION**

Ph.D. in Agricultural Education, 2010-2015

Master of Science in Agricultural Education, 1993-1996

Bachelor of Science in Agricultural Education and Extension, 1987-1990

## **FIELD OF SPECIALISATION**

Agricultural Education – Curriculum Development

## **WORK EXPERIENCE /EXTERNAL EXAMINATION**

2016 to date: Coordinator Educational programmes – Igembe Campus

2013 to date: Lecturer (Chuka University)

2010 to 2013: Assistant Lecturer (Chuka University)

1998 to 2010: Head of Science Department (Muthambi Girls), Biology Coordinator, Muthambi Zone, Mock Examiner, Maara Zone

1996 to 1998: Agriculture teacher, Akithi Girls

1990 to 1993: Agriculture teacher, Kanyakine Boys

## **KEY RESEARCH PROJECTS**

2015-Effect of Computer Assisted Teaching Strategy on Students' Motivation and Achievement in Agriculture in Secondary Schools in Kenya.

2012-Needs Assessment for Effective University Outreach Programs to the Neighboring Community. Chuka, Kenya

## **RECENT SELECTED PUBLICATIONS**

1. Muchiri, J. M., Barchok, H. K. & Kathuri N. J. (2015). Effect of Computer Assisted Teaching Strategy on Students' Motivation to Learn Agriculture in Secondary Schools in Kenya. *Merit J. Education and Review*, 3(8):269-274.
2. Muchiri, J.M., Barchok, H.K. & Kathuri N.J. (2015). Effect of Computer Assisted Teaching Strategy on Students' Achievement in Agriculture in Secondary Schools in Kenya. *International Journal of Education and Research*, 3(8):463-474.
3. Muchiri J. M. & Kiriungi L. N. (2015). Institutional factors Influencing Effective Teaching of Agriculture Subject in Public Secondary Schools in Tharaka Nithi County, Kenya. *International Journal of Education and Research*, 3(1):495-504.

4. Gikunda R. M., Abura, G. O., Kiriungi L. & Muchiri J. M. (2014). The Effect of Sleep Quantity on Performance of Students in Public Universities, Kenya. *Merit Journal of Education and Review*, 2(6):113-118

#### **POSTGRADUATE STUDENTS SUPERVISED**

	Name	Thesis Title	Date admitted	Status
	Jeremy Gitonga Mubiú	School Based factors Affecting Student leadership in Public Secondary Schools in Tharaka South Sub County, Kenya	2011	Continuing

#### **RESEARCH INTEREST**

Curriculum Development  
 Rural Development  
 Youth Participation in Agricultural Activities



### **Justus E. Nthia Riungu**

**Designation:** Lecturer / Director, EXTT

**Faculty:** Education Resources & Development

**Department:** Education

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[jnriungu@chuka.ac.ke](mailto:jnriungu@chuka.ac.ke)/[justusriungu@ymail.com](mailto:justusriungu@ymail.com)

## **EDUCATION**

Master of Education (PTE)

- Kenyatta University

Bachelor of Education (Science)

- University of Nairobi

EAACE

- Nyeri High School

EACE

- Chuka High School

Diploma Education Management

- KESI Machakos

Certificate Management

- TSC East College

INSECT (1 - 3)

- SMASSE Meru South.

## **FIELD OF SPECIALIZATION**

Curriculum and Instruction (Educational Communication and Technology)

## **WORK EXPERIENCE**

2013-date: Lecturer Educational Communication & Technology, Chuka University

2009-2013: Assistant. Lecturer, Chuka University College

2005-2009: Senior Principal, Kiereni Secondary

2005-2007: Part time lecturer, Egerton University

2002-2005: Principal, Kiini Secondary

1994-2001: Principal, Kirege Secondary

1993-1994: Principal, Rubate Secondary

1988-1992: Lecturer Mathematics, Kigari Teachers Training College

## **KEY RESEARCH PROJECTS**

1988 Study of the factors which influence performance in zonal mathematics evaluation examination by standard seven pupils in the township Educational zone of Gachoka Division-Embu District

2016: Analysis of utilization of instructional media in ECDE classes of Embu County

## **PUBLICATION**

James Muriuki Mbuti, Justus Nthia Riungu and George N. Reche. 2010: Factors affecting achievements in mathematics by students in day secondary schools in Maara District, Kenya. Geometry and vectors for bridging course in Mathematics

**POSTGRADUATE DIPLOMA IN EDUCATION PROJECTS SUPERVISED**

SN	NAME	Thesis Title	Date in	Status
	James Mbuyu	Factors affecting achievement in mathematics by students in day secondary schools in Maara District, Kenya	2010	Graduated
	Andoncan Mbae Barine	Challenges facing guidance and counseling teachers in management of students distinguish in secondary schools in Maara District, Kenya	2010	Graduated
	Triposa Kareanki Bundi -	Factors contributing to poor performance in Kenya Certificate of Primary Education in public day primary school in Mumbi Division, Maara District, Kenya.		Graduated
	Esther Wanjeru Njiru	Factors influencing job satisfaction among secondary school headteachers in Embu West District, Kenya	2010	Graduated

**RESEARCH INTERESTS**

Study of the factors which influence performance in zonal mathematics evaluation examination by standard seven pupils in the township Educational zone of Gachoka Division - Embu District

Analysis of utilization of instructional media in ECDE classes of Embu County



### Eric Mwenda Elias

**Designation:** Lecturer / Assistant Director, EXTT

**Faculty:** Education Resources & Development

**Department:** Education

Chuka University, P. O. Box 109-60400, Kenya.

**Mobile:** +254 726560327

**Email:** eliasericmwenda@yahoo.com

## EDUCATION

PhD. Education Management (Awaiting graduation in 2017)

Master of Education Management

Bachelor of Education (Science)

## FIELD OF SPECIALIZATION

Education Management

## WORK EXPERIENCE

2014 to date: Assistant Director, Examinations and Timetabling

2013 to date: Lecturer (Department of Education)

2009-2013: Assistant Lecturer Dept of Education

2006-2009: Teaching Assistant (Department of Education)

## KEY RESEARCH PROJECTS

2012-2016: PhD Thesis: ‘Influence of performance contracting on service delivery in the public universities, 2006-2009: Master’s Thesis: “Influence of Free Primary Education on the Quality of Teaching and Learning in Public Primary Schools in Meru South District, Kenya

## RECENT PUBLICATIONS

1. Murungi, J., Muthaa, G., Micheni, L. and Mwenda, E. (2014) Strategies for Improving Parental Involvement in Acquisition of Literacy Skills among Pupils in Primary Schools in Akithi Division, Tigania West District, Kenya. *Open Journal of Social Sciences*, 2, 250-255.
2. Muthaa, G., M’muyuri, M., Bururia, D. and Mwenda, E. (2013) Dropout among male pupils in primary schools of Igembe District, Kenya. *Creative Education*, 4, 180-184
3. Kirugua J. M, Muthaa G.M, Micheni S. L, Elias E. M (2013) Enrolment and Retention of Students in German Language Classes: Influencing School Based Factors in Meru and Tharaka-Nithi Counties, Kenya. *Journal of Education and Practice* 4(22) 2013

**POSTGRADUATE DIPLOMA IN EDUCATION PROJECTS SUPERVISED**

SN	Name	Thesis Title	Date admitted	Status
1	Micheni Stephen Muthomi	Factors contributing to student wastage in secondary schools in Meru South District, Kenya	2008	Graduated 2011
2	Chabari Edward Bururia	Challenges Facing Effective Implementation of Free Secondary Education in Public Secondary Schools in Kangundo District, Kenya.	2007	Graduated 2010

**RESEARCH INTEREST**

Interest in Education management



### **Gilbert Abura Odilla**

**Designation:** Lecturer / Examination Officer, Department of Education

**Faculty:** Education Resources & Development

**Department:** Education

Chuka University, P. O. Box 109-60400, Kenya.

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## **EDUCATION**

Ph.D. On going at Chuka University

Master of Science in Agricultural Extension (Egerton University)

Bachelor of Science in Agricultural Education and Extension

Participatory Rural Appraisal (Egerton University)

## **FIELD OF SPECIALIZATION**

Lecturer (Agricultural Education and Extension)

## **WORK EXPERIENCE**

2014-date: Examinations Officer, Department of Education, Chuka University

2012-date: Lecturer, Chuka University

2010-2012: Assistant Lecturer, Chuka University College

2002-2010: High School Teacher

## **KEY RESEARCH PROJECTS**

1. Undertaking PhD in Agricultural Extension in Chuka University: Effects of agricultural innovations on smallholder cane farmers' practices in Western Kenya.
2. 20<sup>th</sup> November 2002-Research Seminar paper on 'NGO's non-profit strategies in agricultural extension, Kenya.
3. 2<sup>nd</sup> December 2004-Presented a Seminar paper on Technology Transfer / Up Scaling for Improved Land Resources Management.
4. August 2001-Researched on role of women self-help group in Vihiga District.
5. 2013-2014: Participated in research entitled 'Integrated Sorghum and Livestock Production Technologies for Adaptation to Climate Change in Eastern and Southern Kenya. Currently analyzing the data.
6. 26<sup>th</sup> July, 2012, Presented a PhD Concept Paper titled 'Effectiveness of Selected Extension Methods in Dissemination of Agricultural Information to Smallholder Sugarcane Farmers in Kakamega County, Kenya' at Masinde Muliro University of Science and Technology.

## **RECENT PUBLICATIONS**

1. 2016, July: Isolation, Identification and Determination of the Prevalence *Mycobacterium tuberculosis* Complex among People Living with HIV in Kisumu County, Kenya. *Science Journal of Public Health* 4(4):359-365

2. 2016, June: Current Status of Fodder Production, Marketing and Conservation in the Arid and Semi-Arid Lands of Tharaka Nithi County, Kenya, *African Journal of Agricultural Research*. 11(26):2337-2347
3. 2014, December: Socio-Economic Effects of M-pesa Adoption on the Livelihoods of People in Bureti Sub-County, Kenya. Published in the *International J. Academic Research in Business and Social Sciences*, 4(12).
4. 2014, June: Effect of Sleep Quantity on Performance of Student's in Public Universities, Kenya. *Merit J. Education Review*, 2(6):113-118
5. 2013, December: Technical Knowledge and Information Gaps among Smallholder Farmers in the Production of Sugarcane in Kakamega County, Kenya. Published in *IJASRT*, 3(4)
6. 2013, November: Agriculture Teachers Perception of Secondary School Agriculture: A Case of Meru Central District, Kenya. *African Journal of Basic and Applied Science*
7. 2013, November: Students Perception of Secondary school Agriculture: A Case of Meru Central District, Kenya. *Asian Journal of Social Sciences and Humanities*. 2 (4):129-134.
8. 2013, August: Effects of Discovery Method on Secondary Students Achievement in Physics in Kenya. *Asian Journal of Social Sciences and Humanities*. 2(3).
9. 2013 (Summer): Needs Assessment for Effective University Outreach Programs to the Neighboring Community: Chuka University Kenya. *Journal of International Agricultural and Extension Education*. 20(2):192-194
10. 2012, September: Effectiveness of Extension Services in Enhancing Outgrowers' credit System: A Case of Smallholder Sugarcane farmers in Kisumu County, Kenya. *International Journal of Agricultural Management and Development*.
11. 2012, June: EFFECT of collaborative concept mapping teaching strategy on students' achievement in chemistry in selected secondary schools in Kenya. *Global Journal of Management Science and Technology*.

## **RESEARCH INTEREST**

Sustainable Agriculture, Rural Development and Innovations uptake

**Noel Uside Otiende**

**Designation:** Lecturer

**Faculty:** Education Resources & Development

**Department:** Education

Chuka University, P. O. Box 109-60400, Kenya.

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**EDUCATION**

Master of Education (Science), Moi University

Bachelor of Education, Moi University

**FIELD OF SPECIALIZATION**

Educationist

**WORK EXPERIENCE**

2014-2015: Lecturer, Department of Education

2011-2013: Assistant Lecturer, Department of Education

2005-2011: Head of Department, Physics

1993-2005: Subject Teacher, Physics

**KEY RESEARCH PROJECTS**

2014-2015: Effects of natural licks in lactating dairy goat ration in Tharaka-Nithi County, Kenya

2012-2013: Analysis of clays from selected areas as possible raw materials for high quality ceramic products

**RECENT PUBLICATIONS**

Otiende, N.U., Barchok, K.H., Abura, G.O.2013.Effect of discovery method on secondary school student's achievement in physics in Kenya. Asian Journal of Social Sciences and Humanities volume 2 (3) 23-37

**RESEARCH INTEREST**

Carry out research within the area of science education (Physics, Chemistry, Biology and Mathematics)



### **Dr. Beatrice Mwarania Mburugu**

**Designation:** Lecturer, Chair Gender Mainstreaming

**Faculty:** Education Resources & Development

**Department:** Education

Chuka University, P. O. Box 109-60400, Kenya.

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## **EDUCATION**

PhD in Counseling Psychology

Master of Education in Guidance and Counseling

Bachelor of Education

Internal Auditor, Therapeutic Community Model Trainer, Gender Mainstreaming

## **FIELD OF SPECIALIZATION**

Counseling Psychologist and Lecturer

## **WORK EXPERIENCE**

1998-2002: BOM Principal, Karugwa Girls

2003-Oct 2012: TSC Teacher, Guidance & Counseling HOD, CU Patron, Iruma Girls

Nov 2012-2013: Assistant Lecturer, Chuka University

2013-2015: Lecturer & Chair Dept of Education, Chair Gender, Tender cttee member

2015-To Date: Lecturer, Chair, Gender Mainstreaming, & Tender committee member

## **KEY RESEARCH PROJECTS**

2009: Influence of orphanhood on academic performance, interpersonal relationships and discipline: A comparative study of orphaned and non-orphaned children in public primary school in Mwimbi Division.

2013: Psychosocial effects and coping mechanisms of widowhood: A comparative study of widowed men and women in Meru County Kenya

## **RECENT PUBLICATIONS**

1. Mburugu, B.M (2016) *Influence of Orphanhood on Pupils Life in Kenyan Primary Schools*, Germany, Lambert Academic Publishing
2. Mburugu B.M, Chepchieng M.C, Mbugua S.N., & Nyaga V. K. (2016). Self-Esteem as a social effect of widowhood in Meru County Kenya

## **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date in	Status
1	John M. Kamoyo (PhD)	Psychosocial Effects of Imprisonment and Coping Mechanisms among Female Inmates in Selected Prisons in Kenya	2012	2015

2	John Mugambi Naivasha (Masters)	Effects of Divorce and Separation on Psychosocial wellbeing among Primary school pupils in Chiakiriga Division of Tharaka-Nithi County Kenya	2012	2015
3	Stella Ncabira	Effects of Occupational Stress on Job Performance and Coping Mechanisms in Public Primary school teachers in Maara Sub-County TharakaNithi County Kenya	2012	2015
4	Jason Kinyua Mwirichia	Effects of Alcoholism on Psychosocial Lifestyle and Family and Coping Mechanisms in Maara Sub-County Tharaka-Nithi County Kenya	2010	2015
5	Eliphas Kirimi Ncaani	Selected Strategies to enhance Pupils performance in Kenya Certificate of Primary Education Examination in Public Primary Schools in Mikinduri Central Division, Meru County, Kenya.	2010	2015
6	Jane Gakii Marete	Effects of HIV/AIDS on Psychosocial Welfare of Elderly Caregivers and Coping Mechanisms inIgembe Sub-County Meru County Kenya	2012	2015
7	Tabitha Muthamia	Effects of Divorce on Academic Achievement among Pupils in Primary Schools in Kangata Division ,Igembe South Sub-County		
8	Agnes Kaari	Effects of domestic violence on pupils self-esteem in primary schools in Kangata Division, Igembe South Sub-County	2011	2015
9	Nanice Nkirote	Challenges in the management of support staff in public secondary schools in Meru C. Sub-County Meru County, Kenya		2016
10	Cecilia Mbabu	Factors that influence pupils academic performance in kenya certificate of primary education: A comparative study of public boarding and day primary schools in Imenti South Sub-County, Kenya	2013	2016
12	Judith Catherinenjura	Selected Factors Contributing to Relapse Among Drug and Substance Addicts in Rehabilitation Centres in Embu County	2011	2016
13	Susan Kagwiria Muthiora	Selected Factors that Influence Career Choices among Students In Public Tertiary Colleges In Imenti North Sub County, Kenya	2011	2016

14	M'mutia Francis Mbiti	Effects of Stress on Social Life Among Secondary School Students in Igembe South Sub-County ,Kenya	2011	2016
15	Rosemary Kagwiria Mburugu	Challenges affecting Implementation of Alternative Basic Adult Education Programme in Buuri Sub County, Kenya	2011	2016
16	Annrima Gerald	Impact of Guidance and Counseling in Enhancing Academic Performance and Social Competence of Pupils with Special Needs in Meru Central Sub Meru Central Sub-County, Kenya	2010	2016



### **Dr. John Mwithalii Kamoyo**

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Department: Education

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## **EDUCATION**

PhD, Chuka University

Master of Education (Science Education), Egerton University

Bachelor of Education Arts, Kenyatta University

Diploma in Education Management, KEMI

## **FIELD OF SPECIALIZATION**

Psychologist/Counsellor

## **WORK EXPERIENCE**

2012-2014: Senior Administrative Assistant, FERED, Chuka University

2015-2016: Senior Administrative Assistant, FBUST, Chuka University

2016 to date: Lecturer, Department of Education

## **KEY RESEARCH PROJECTS**

2012-2015: Psychosocial effects of imprisonment and coping mechanisms among female inmates in selected prisons in Kenya

## **RECENT PUBLICATIONS**

1. Kamoyo, J.M., Barchok, H.K., Mburugu, B.M., &Nyaga, V.K. (2015). Effects of Imprisonment on Depression among Female Inmates in Selected Prisons in Kenya. *Journal of Research on Humanities and Social Sciences.* 5(16) 55-59
2. Kamoyo, J.M. Nyaga, V.K., Barchok, H.K., & Mburugu, B.M. (2015). Effects of Imprisonment on Interpersonal Relationships among Female Inmates in Selected Prisons in Kenya. *International Journal of Education and Research.* 3(7) 183-190
3. Kamoyo, J. M. & Mukuthuria, M. 2013. Role of Guidance and Counseling in Maintenance of Students Discipline, Academic Publishing ISBN 978659194702

## **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis title	Date in	Status
1	Henry Kiambati	Effectiveness of preventive counseling in controlling students problem behaviors in public secondary schools in Igembe South Sub-County, Meru County, Kenya	December, 2011	Continuing

2	Aileen Gacheri Mugambi	Effectiveness of guidance and counseling programmes in mitigating unrest among secondary school students: A comparative study of public and private secondary schools in Meru County, Kenya	August, 2016	Continuing
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### **RESEARCH INTEREST**

Doing research on inmates and other special populations



### **Dr. Susan Muthoni Kinyua**

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**Department:** Education

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## **EDUCATION**

Ph.D. in Counselling Psychology

Master of Education in Guidance & Counselling

Bachelor of Education in Home Economics

## **FIELD OF SPECIALIZATION**

Psychologist & Counsellor

Lecturer of Counselling Psychology

## **WORK EXPERIENCE**

2013 to Date: Chuka University, Lecturer

2011 to 2013: Chuka University, Assistant Lecturer

2009 to 2010: Nkabune Technical Training Institute, Lecturer

2007 to 2008: Kiang'ondu Secondary School

1997 to 2007: Chief Mbogori Girls High School, Principal

1990 to 1996: Kangaru Girls High School, Head of Technical Department

1988 to 1990: Siakago Girls High School, Teacher

## **KEY RESEARCH PROJECTS**

2005 to 2009: Causes and Effects of Stress Levels among Secondary School Principals in Meru South District

2010 to 2013: Post Female Genital Mutilation Effects and Coping Strategies by the Girl-child among the Ameru Community of Kenya.

## **RECENT PUBLICATIONS**

1. Kinyua, S. M; Nyaga, V. K; Chepchieng, M. C. & Mbugua, S. N. 2014 Effects of Female Genital Mutilation on the Girl Child's Physical Health Among Ameru Community of Kenya. Academic J. Interdisciplinary Studies. 3(4) 189-196.
2. Kirimi, T. M. & Kinyua, S. M. 2016 Teacher Related Factors Influencing Students' Enrolment in Biology subject in Public Secondary Schools in Meru Central Sub-county in Kenya. Journal of Education and Practice. 7(2)130-136
3. Kinyua, S. M. 2016. An Investigation of Coping strategies for managing effects of Female Genital Mutilation on the Girl Child among Ameru Community in Kenya. Research on Humanities and Social Sciences. 6(2)108-118.

4. Kinyua, S. M. 2016. Effects of Female Genital Mutilation on the Psychological well-being of the Girl Child among Ameru Community in Kenya. International Journal of Education and Research. 4(1)101-110.
5. Riungu, E. N. & Kinyua, S.M. 2015. Influence of Gender on Selected Personality Factors Implications for Personality and Career Counselling Among Secondary School Students in Chuka Sub-county, Kenya. Kenyan journal of Guidance, Counselling and Psychology. 5(1) 22-26
6. Paul, M. N. & Kinyua, S. M. 2016. Factors influencing Design of Business Studies in Formative Assessment: A Case Study of Secondary Schools in Mt. Kenya Region in Kenya. International Journal of Education and Research. 3(4)1-6
7. Kinyua, S. M. 2016. Effects of Female Genital Mutilation on the Girl Child's Social Life among the Ameru Community of Kenya. British Journal of Psychology Research. 4(1)51-63

### **RESEARCH INTEREST**

Psychological issues affecting the women, girl child and special populations.



## Raphael Mwiti Gikunda

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## EDUCATION

PhD in Agricultural Educ & Communications, Texas Tech University (Ongoing)

Master of Science in Agricultural Extension, Egerton University

B.Sc. in Agricultural Educ. & Extension, Egerton University

## FIELD OF SPECIALIZATION

Specialization in Early Childhood and Primary Education

## WORK EXPERIENCE

2016 to date: Research Assistant, Texas Tech University, US

2016 to date: Lecturer, Department of Education, Chuka University, Kenya

2012-2016: Assistant Lecturer, Department of Education, Chuka University

Jan-Dec, 2012: Program officer, African Institute for Capacity Development (AICAD)

2009-2012: Program Assistant, African Institute for Capacity Development/JICA

## RESEARCH INTEREST

1. 2017 Farmers and Farmworkers Agrisafety in Cotton Industry in Lubbock County, Texas/Electronic Extension and Adoption of Livestock technologies in Kirinyiga County, Kenya
2. 2016 Application of Best Horticultural Farming Practices by Smallholder Producer Groups in Meru County, Kenya/ Quality of skills provided to students teachers in public universities in Kenya
3. 2015 Smallholder Participation in Indigenous Poultry Production in Tharaka Nithi County, Kenya
4. 2014 Sleep Quantity and Performance of Students in Public Universities, Kenya
5. 2013 Integrated Cassava Value Chain Intervention and Socio Economic Development of Smallholder Farmers in Rongo District Kenya
6. Technical Knowledge and Information Gaps among Smallholder Farmers in the Production of Sugarcane in Kakamega County

## RECENT SELECTED PUBLICATIONS

1. Nato G.N. & Gikunda R.M (2016) Non-Economic Factors Associated with Adoption of Sprinkler Irrigation among Farmers in Kariandusi Location of Nakuru County, Kenya. *International Journal of Agriculture Innovations and Research*, (5)1:113-117

2. Gikunda R.M & Mburugu B.M. (2015). Effect of Social Media on Interpersonal Relationships of Students in Public Universities in Kenya. *International Journal of Academic Research*
3. Gikunda R.M. & Mutegi E. (2015). Opportunities and Challenges Facing Smallholder Participation in Indigenous Poultry Production in Tharaka Nithi County, Kenya. *International Journal of Agriculture Innovations and Research*, (4)2:295-300
4. Gikunda R.M., Odilla A.G. & Njeru G.S (2014) Socio-economic Effects of Mpesa Adoption on the Livelihoods of People in Bureti Sub County, Kenya. *International Journal of Academic Research in Business and Social Sciences*, (4)12
5. Mucee J.N. Reche G.N., Bururia D. & Gikunda, R.M. (2014) Socio-Cultural Factors that Influence Access to Secondary School Education in Tharaka South Sub-County, Kenya. *International Journal of Education and Research*, (2) 10,
6. Gikunda, R.M., Odilla A. G., Kiriungi L., & Muchiri, M.J. (2014). Effect of Sleep Quantity on Performance of Students in Public Universities, Kenya. *Merit Research Journal of Education and Review*, 2(6):113-118.
7. Kiriungi, L., Gikunda R.M., & Mburugu, B (2014). An Assessment of Public Primary School Teachers' Attitude towards Inclusion of Children with Hearing Impairment in Central Region of Kenya. *International Journal of Education and Research Vol. 2 No. 3*
8. Odilla A.G., Gikunda R.M., Nato G. N (2013) Technical Knowledge and Information Gaps among Smallholder Farmers in the Production of Sugarcane in Kakamega County, Kenya *International Journal of Agricultural Science, Research and Technology*,3(4): 199-207
9. Kirimi, F.K., Gikunda, R.M., Obara J. & Kibett J. (2013). Influence of Selected Motivational Factors on the Performance of Secondary School Agriculture Teachers in Imenti South District, Kenya. *International Journal of Education and Research. Vol. 1 No. 6*
10. Gikunda, R.M., Nato G.N. & Mokaya S.O (2013). Effects of Integrated Cassava Value Chain Intervention on Socio Economic Development of Smallholder Farmers in Rongo District Kenya. *International Journal of Arts and Commerce*. Vol. 2 No. 5
11. Mokaya, S.O., Wakhungu, B. & Gikunda, R.M. (2012). The Application of McKinsey Matrix in Determination of Route Attractiveness and Resource Allocation in Kenya Airways. *International Journal of humanities and Social Science. Volume 3, Issue 5*

## **RESEARCH INTERESTS**

My research interests are broad, but geared towards the empowerment of rural people for improved livelihoods



### **Bornace Jepkorir Kimeli**

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## **EDUCATION**

Master of Education in Early Childhood and Primary Education: 2010-2013

Bachelor of Education (Arts)-Early Childhood and Primary Education: 2005-2008

## **FIELD OF SPECIALIZATION**

Early Childhood and Primary Education

## **WORK EXPERIENCE**

2015 to date: Lecturer, Chuka University

2013 to 2015: Part-time Lecturer, Mt. Kenya University

2013 to 2015: Part-time Lecturer, Presbyterian university

2010 to 2014: Personal banker, Cooperative Bank of Kenya

2008 to 2010: Tutor, Kenya Institute of Business and Technology

## **RESEARCH INTEREST**

Family structure and its influence on child socialization

Child psychology

Children with special needs

Curriculum for the child



### Ruth Mutunge Mwanzia

**Designation:** Assistant lecturer /Assistant Examination Officer

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## EDUCATION

Master of Education (Educational Foundations)

Bachelor of Education (Arts)

## FIELD OF SPECIALIZATION

Lecturer

## WORK EXPERIENCE

January 2015 to date: Assistant Lecturer

Nov. 2012 to Dec. 2014: Teaching Assistant

## KEY RESEARCH PROJECTS

- (i) Reconstructionist analysis on the relevance of secondary school curriculum content in promoting national cohesion among students in Machakos Town Sub-County, Kenya
- (ii) Critical analysis on how learner-related factors affect application of progressivists' learner-centered approaches in teaching and learning of Mathematics: A case of Meru South Sub-County, Tharaka Nithi County, Kenya.
- (iii) Reconstructionist Analysis on the Relevance of Secondary School Learning Opportunities in Promoting National Cohesion among Students in Machakos Town Sub-County, Kenya

## RESEARCH INTEREST

Educational Foundations



### **James Mwenda Murungi**

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## **EDUCATION**

Master of Education (Educational Foundations)

Bachelor of Education (Arts) - Music

## **FIELD OF SPECIALIZATION**

Educational Sociologist

Music Education and performance

## **WORK EXPERIENCE**

2012-date: Assistant lecturer, Educational Foundations, Chuka University

2004-2012: Lecturer, Music, Meru Teachers College

1998-2003: Head of Music Department, Mt Kenya Academy

## **KEY RESEARCH PROJECTS**

2012 Influence of Parental Involvement on the Acquisition of Literacy Skills among Pupils in Primary Schools in Akithi Division, Tigania West District, Kenya

## **RECENT SELECTED PUBLICATIONS**

1. Murungi, J.M., Muthaa G.M. 2015. Parental involvement in Acquisition of Literacy Skills in Akithi Division, Tigania West District, Kenya. *Case Studies Journal* ISSN (2305-509X)-2015 Volume 4, Issue 2
2. Murungi, M.J., Muthaa, G., Micheni, L., Mwenda,E.M. 2014 Strategies for Improving Parental Involvement in Acquisition of Literacy Skills among Pupils in Akithi Division, Tigania West District, Kenya. *Open Journal for Social Sciences*, 2014(2)250-255

## **RESEARCH INTEREST**

Parental involvement in education, social media and education, social media and social capital, technical and vocational education, music education



### **Lucy Nyambura Kiriungi**

**Designation:** Lecturer

**Faculty:** Education Resources & Development

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## **EDUCATION**

Master of Education (Educational Psychology)

Bachelor of Education (Special Education)

Diploma in Special Education

**FIELD OF SPECIALIZATION:** Lecturer

## **WORK EXPERIENCE**

2012-to date: Lecturer, Chuka University

2000-2012: Lecturer, Kenya Institute of Special Education

1995-2000: Teacher, Nyandarua School for the deaf

## **KEY RESEARCH PROJECTS**

Primary School Teachers Attitude to inclusive Education

## **RECENT SELECTED PUBLICATIONS**

1. Kiriungi N. L. 2016. Effectiveness of regular teachers in handling learners with hearing impairments in primary schools in central region of Kenya. International Journal of Education and Research, 3(3).
2. Kiriungi, N.L., & Kamore, K.S., Students perspectives on factors affecting their academic performance: A case of Juja Secondary School, Kiambu, Keya, International Journal of current research, 8(3).
3. Riungu, E.N., & Kiriungi, N.L., Influence of personality factors on career Choice Among secondary School students in Chuka Sub-County of Tharaka-Nithi County, Keya. International Journal of Education and research 3(2):325-330.
4. J.M.M., & Kiriungi, N.L., Institutional Factors Influencing Effective Teaching of Agriculture subject in public secondary schools in Tharaka-Nithi Country, Keya. International Journal of Education and research 3(1):465-504
5. Gikunda, R.M., Odilla A. G., Kiriungi, N.L., & Muchiri, M.J. Effect of sleep quantity on performance of students in public universities, Kenya. Merit Research Journal of Education and Review 2(6):113-118.
6. Kiriungi, L., Mwiti, R. & Mburugu, B. An assessment of public primary school teachers' attitude towards inclusion of children with hearing impairment in Central Region of Kenya. *International Journal of Education and Research* 2(3).

7. Joyline, M.M., Odilla, A. G., Kathuri, N.J., & Kiriungi, N.L., Agriculture teachers perception of school agriculture: A case of Meru Central District, Kenya. Middle-East Journal of Scientific Research 17(4):534-538.

## **RESEARCH INTEREST**

Special Education

## **OFFICE OF THE DEPUTY VICE-CHANCELLOR (ADMINISTRATION, FINANCE, PLANNING & DEVELOPMENT)**



### **Prof. Stanley M. Kagwanja, Ph.D.**

Designation: Deputy Vice-Chancellor (Administration, Finance, Planning and Development)

Profession: Professor of Chemistry

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### **EDUCATION**

Ph.D. (Bristol)

M.Sc. (UoN)

B.Ed. (UoN)

### **FIELD OF SPECIALIZATION**

Professor of Chemistry

### **WORK EXPERIENCE**

DVC (Administration, Finance, Planning & Development), Chuka University

Professor of Chemistry, Chuka University

Professor of Chemistry, Egerton University

Associate Professor of Chemistry, Egerton University

Senior Lecturer of Chemistry, Egerton University

Lecturer of Chemistry, Egerton University

### **KEY RESEARCH PROJECTS**

Nanomolecules synthesis

Environmenal/inorganic chemistry

### **RECENT SELECTED PUBLICATIONS**

1. Odhiambo, R., Muthakia G.K and Kagwanja S.M. 2010. *Synthesis, characterization and electrochemistry of heterobimetallic complexes containing molybdenum(II) nitrosyl and manganese(II)-Schiff base* Bull. Chem.Soc.Ethiop 24(1):33.
2. Odhiambo, R., Muthakia G.K and Kagwanja S.M. 2009. *Synthesis, and characterization of Molybdenated meta- functionalized Manganese (II) Schiff Base Complexes*. International Journal of Biochempphysics 17: 37-44.
3. Golicha H.S.A, Subramahanyam H.S, Kirui M.S.K and Kagwanja S.M. 2006. *Estimation of optical anisotropy and coefficient of expansion of smectic A homologues of di n alkyl,4' azoxy - $\mu$ - methylcinnamates* Journal of The Kenya Chemical Society 3:39-48

4. Njagi, J.I, Kagwanja S.M. and Gachanja A. 2006. *A simple method for the determination of acephate in honey from Mbeere Eastern Kenya*. J. Kenya Chemical Society 3:56-66
5. Lutta, T.S and Kagwanja S.M. 2000. *Synthesis and electrochemical studies of heterobinuclear complexes containing copper and molybdenum nitrosyl groups linked by Schiff base ligands*. Transition Metal Chemistry 25:415.
6. Omoga, T.O and Kagwanja S.M. 1999. Determination of levels of Cd, Pb, Cr, Zn and Cu in honey sample from selected areas in Kenya. International Journal of Biochempphysics 8 & 9 (1 and 2):11-15.
7. Kagwanja, S. M. and H.M. Thairu. 1999. *Determination of activity and activity coefficients of mixed electrolytes using anion exchange membrane*. International Journal of Biochempphysics 8 and 9(1 and 2):24-28.
8. Kagwanja, S.M, C.J.Jones J.C. Jeffry and J.A. McCleverty. 1996. *Reaction of molybdenum mononitrosyl halides with Schiff bases: Hydrolysis of azomethine links formation of monometallic tris(3,5-dimethylpyrazolyl) borato phenolato complexes containing free aldehyde groups and the X-ray structure of [Mo(NO){3,5-Me<sub>2</sub>C<sub>3</sub>HN<sub>2</sub>}<sub>3</sub>Cl{OC<sub>6</sub>H<sub>4</sub>(3-CHO)(4-OH)}]*. Polyhedron 15:2959-2967.
9. Kagwanja, S.M., C.J. Jones and J.A. McCleverty. 1997. Trimetallic complexes containing Nickel or Palladium and two Molybdenum nitrosyl groups, Polyhedron 16:1439-1446.
10. Kagwanja, S.M., C.J. Jonnes, J.P. Maher and J.A. McCleverty. 1994. *Formation of trimetallic complexes containing redox-active nitrosyl molybdenum tris(3,5-dimethylpyrazolyl)borato groups. Schiff base compounds containing two Mo and Cu centre*. Polyhedron 13:2615-2629.
11. Wafula E.M., Onyango F.E., Thairu. H., Boleij J.S., Hoek F., Ruigewaard, Kagwanja S.M., P.E. Kimani, P., Ombui, A., Masinde L., Somboi H., Weigh, DeKoning H, Pio A. and Kimani E. 1990. *Indoor Air Pollution in a Kenyan village* E. African Medical Journal 67:24-32.

## **RESEARCH INTERESTS**

Nanotechnology

## **PATENTS**

Ongoing

## **POSTGRADUATE STUDENT SUPERVISION**

See them under publications

## **OFFICE OF THE REGISTRAR (ACADEMIC AFFAIRS)**



**Prof. Francis Gichuki Ndiritu**

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### **EDUCATION**

Ph.D. in Condensed Matter Physics, Egerton University  
M.Sc. in Physics, Egerton University  
B.Sc. in Physics, University of Nairobi

### **FIELD OF SPECIALIZATION**

Condensed Matter Physics

### **WORK EXPERIENCE**

2016-Present: Registrar (Academic Affairs), Chuka University  
2011-2016: Deputy Registrar (Academic Affairs), Egerton University  
2005-2008: Chairman, Physics and Computer Science Department  
2008-2011: Chairman, Physics Department  
2003-2008: External Examiner, Masinde Muliro University of Science & Technology  
Editor: African Journal of Physical Sciences  
Journal Reviewer: Egerton University Journal of Science and Technology, Kenya  
Chemical Journal, Kenya Physical Journal  
Thesis External and Internal Examiner

### **RECENT SELECTED PUBLICATIONS**

1. Kemei S.K., Kirui M.S.K., Ndiritu F.G., Odhiambo P.M., Ngumbu R.G. and Amollo T.A (2012), "Determination of optical band gap and heat dissipation of Ga<sub>1-x</sub>Mn<sub>x</sub>As with Light in UV-VIS-IR Region using OSA SPECTRO 320", Journal of Advances in Physics Theories and Applications 8:13-24
2. Kemei S.K., Kirui M.S.K., Ndiritu F.G., Odhiambo P.M., Ngumbu R.G. and Amollo T.A (2012), "Determination of hall effect parameters of gallium arsenide and gallium manganese arsenide by van der pauw geometry". Journal of Advances in Physics Theories and Applications 8:1-12
3. Mang'are P. A., Maweu O. M., Ndiritu F. G. and Vulule J. M. (2012) "A Comparative study of the transmission parameters of the sound of mosquito predators and EMR" International Journal of Biophysics, 2(4):53-67
4. Mang'are P. A., Maweu O. M., Ndiritu F. G. and Vulule J. M., (2012) "The startling effect of the sound of *C. Afra* And *A. Tormotus* on the female *A. gambiae*" International Journal of Biophysics, 2(3): 40-52.

5. Kamweru P.K, Ndiritu F.G., Kinyanjui T.K. , Muthui Z.W. Ngumbu R.G. and Odhiambo P.M (2012), “Study of humidity and UV wavelength effects on degradation of photo-irradiated polyethylene films using DMA”, Journal of Macromolecular Science Part B, 51 (5) 817-827
6. Odhiambo J.O., Ndiritu F.G., and Wagara I. N. (2011), “Effect of AC Helmholtz magnetic field on the mass of Rosecoco deans” Journal of Science Technology Education and Management, Vol. 4 No.1&2: 16-30
7. Kamweru P.K, Ndiritu F.G., Kinyanjui T.K. , Muthui Z.W. Ngumbu R.G. and Odhiambo P.M (2011), “Study of temperature and UV wavelength range effects on degradation of photo-irradiated polyethylene films using DMA”, Journal of Macromolecular Science, Part B, 50: 1338-1349, doi: 10.1080/00222348.2010.516172, First posted on: 15 April 2011 (iFirst)
8. Odhiambo J.O., Ndiritu F.G., and Wagara I. N. (2009), “The influence of AC electromagnetic fields on the initial radicle growth rate of *Phaseolus vulgaris L.*”, Journal of Applied Biosciences 22:1350-1358.
9. Odhiambo J.O., Ndiritu F.G., And Wagara I. N. (2009), “Effects of static electromagnetic fields at 24 h incubation on the germination of rose coco beans (*Phaseolus vulgaris*)”, Romania J. Biophys., 19(2):135-147
10. Gaitho E.M., Ndiritu F.G., Muriithi P.M., Ngumbu J.K. and Ngareh J.K. (2009), “Effect of thermal conductivity on the efficiency of single crystal silicon solar cell coated with an anti-reflective thin film”, ELSEVIER, ScienceDirect, Journal of Solar Energy 83 (2009) 1290–1293
11. Kirui H.W, Ndiritu F.G, Marigi S.N and Ngareh J.K. (2009), “Potential of solar and wind energy as alternative sources of electricity in the Central Rift Valley of Kenya”, International Journal of Engineering Science, 1: 1 59-68
12. Odhiambo, O.J., Ndiritu F.G., and Wagara I.N., (2008), “Effect of AC electromagnetic field on germination of rose coco beans (*Phaseolus vulgaris L.*) Egerton Journal of Science and Technology, 8:186-200.
13. Ngareh J.K., Ndiritu F.G., Muriithi P.M., Ngumbu R.G. and Gaitho F.M., (2007), “Social and Legal Issues that Impede Solar Energy Utilizations in Kenya”. J. of Research in Engineering, Vol. 4 No. 4 92-94.
14. Ngumbu R.G., Ndiritu F.G. and Muriithi P.M, (2007), “Knowledge and Attitudes on Useage of Solar Home System; Rural and Urban Areas in Nakuru District-Kenya”. J. of Engineering Science and Technology, Vol. 2 No.2 15-20
15. Ngareh J.K., Ndiritu F.G., Muriithi P.M. and Ngumbu R.G., (2007). “Challenges of Technologists in Kenyan Universities”, (Accepted, Journal of Science and Technology Research)
16. Ndiritu F.G. and Muriithi P.M., (2004), “Physics for Enlightenment” Journal Education and Human Resources, Vol. 2 No.2, 98-106
17. Ndiritu F.G., Muriithi P.M. and Majanga F.I. (2002), “A study of the magnetic impurities and physical characteristics of Njoro River” (International Journal of BioChemPhysics, ISSN 1019-7648)

18. Ndiritu F.G., Muriithi P.M. and Mwangi E.M., (2003), "University-Industry-Government Interaction; Are we in the Right Direction" Egerton Journal, Science and Technology, Vol. IV No. 2&3
19. Ndiritu F.G., Muriithi P.M. and Muia L., (1999), "Determination of Trace Elements in Njoro river and Ground water by Energy Dispersive X-Ray Fluorescence Analysis" Egerton Journal, Science and Technology, Vol. 2 No.273
20. Muriithi P.M., Ndiritu F.G. and Muia L., (1999) "Application of a Nuclear Technique in Environmental Pollution Monitoring" Egerton Journal, Science and Technology, Vol. 2 No.2 98

## FACULTY OF SCIENCE, ENGINEERING & TECHNOLOGY



**Prof. Adiel Micheni Magana**

**Designation:** Associate Professor and Dean

**Faculty:** Science, Engineering & Technology

**Department:** Biological Sciences

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### EDUCATION

Ph.D. in Natural Sciences (Biology), University of Vienna, Austria

Master of Science Education (Biology), Kenyatta University

Bachelor of Education (Science), University of Nairobi

International Postgraduate Certificate in Limnology, Institute of Limnology, Modsee, Austria

Postgraduate Certificate in Academic Practice, York St. John University, UK,

### FIELD OF SPECIALIZATION

Aquatic Ecology (Limnology)

### WORK EXPERIENCE

2011-Date: Dean, Faculty of Science, Engineering & Technology, Chuka University

2012-Date: External Examiner, Biological Sciences, Meru University of Sience & Technology

2006-Date: External Examiner, Environmental and Biological Sciences, Kabarak University

2004-2011: Chairman, Department of Biological Sciences, Egerton University

### KEY RESEARCH PROJECTS

2006 to 2011: Integrating BOMOSA Cage Fish Farming System in Reservoirs, Ponds and Temporary Water Bodies in Eastern Africa Financed by the European Union

2015 to Date: Assessment of ecological and social-economic impact of the Cactus (*Opuntia spp*) on dryland of Kenya Financed by Chuka University

### RECENT PUBLICATIONS

1. James G. Kirimi, Levi M. Musalia, Adiel Magana and Jonathan M. Munguti (2016). Performance of Nile Tilapia (*Oreochromis Niloticus*) Fed on Diets Containing Blood Meal as a Replacement of Fish Meal. Journal of Agricultural Science; 8(8):79-87.
2. Winnie W. Cheche, Eunice W. Githae, Stephen F. Omondi, and Adiel M. Magana (2015). An Inventory and Assessment of Exotic and Native Plant Species Diversity in the Kenyan Rangelands:-Case Study of Narok North Sub-County. Journal of Ecology and the Natural Environment, 7(8): 238-246.
3. Otachi, E.O., Magana, A. M., Jirsa, F., Frank-Fellner, C., (2014). Parasites of Commercially Important Fish from Lake Naivasha, Rift Valley, Kenya. Parasitology Research, 113(3):1057-1067

4. Reuben Omondi, Andrew W. Yasindi and Adiel M. Magana (2014). Diel Vertical Distribution of Zooplankton in Lake Baringo, Kenya. Journal of life sciences, 8(5) 44-460.
5. Magana A. M., Dobson M. and Mathooko J. M. (2012): Modifying Surber sampling technique increases capture of freshwater crabs in African upland streams. Inland Waters. 2:11-15

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date in	Status
1	Onyango, O.M., Chuka University	PhD Thesis: Modeling HIV/AIDS co-infection with malaria and tuberculosis in the presence of antiretroviral treatment and counselling	2013	Graduated- 2016
2	Kinyua, A. K.- Chuka University	PhD Thesis: Effects of Vee-Heuristic teaching approach on secondary school students' achievements creativity and attitudes towards biology in Tharaka-Nithi County, Kenya	2011	Graduated- 2016
3	Omondi, O., Egerton Univ.,	PhD Thesis: Ecology of distribution and abundance of zooplankton of Lake Baringo Kenya.	2006	Graduated- 2014
4	Ogunda G., Chuka Univ.	The efficacy of municipal sewerage treatment in purification of domestic effluent at Kipevu, mombasa Kenya	2014	On going

#### **RESEARCH INTERESTS**

Aquatic ecology and climate change



### **Dr. Eunice W. Githae**

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Department: Biological Sciences

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## **EDUCATION**

Ph.D. in Dryland Resource Management (Ecology & Environment), UoN

M.Sc. in Plant Taxonomy and Economic Botany, University of Nairobi, Kenya

B.Sc. in Botany and Zoology, University of Nairobi, Kenya

MSc. in Environmental Management, Open University, England. Commonwealth Distance Learning Scholarship (Ongoing)

## **WORK EXPERIENCE**

2014-current: Senior Lecturer, Department of Biological Sciences, Chuka University

2013-2014: Chairperson, Department of Environmental Studies & Forestry, School of Natural Resource Management, Maasai Mara University

2009-2014: Lecturer, School Natural Resource Management, Maasai Mara University

2002-2008: Research Assistant, Kenya Forestry Research Institute (KEFRI),

## **KEY RESEARCH PROJECTS**

2015: Assessment of ecological and social impacts of invasive cactus pear (*Opuntia* species) in the rangelands of Kenya

2012: Opportunities for Climate-Smart Agriculture in pastoral livelihoods

2008: Genetic diversity of gum Arabic-producing *Acacia senegal* varieties in Kenya using Inter-Simple Sequence Repeats (ISSR) and Chloroplast Simple Sequence Repeat (cpSSR) markers

## **RECENT PUBLICATIONS**

1. Isutsa, D.K. and Githae E.W. 2016. (Eds.) Proceedings of the second Chuka University International Research Conference held in Chuka University, Chuka from 28<sup>th</sup> to 30<sup>th</sup> October 2015. 575 pp
2. Omondi, F.S., Githae E.W. and Ochieng', J.O. 2015. Quantitative variation in seeds, seedling growth and biomass among *Acacia Senegal* (L.) Willd. Provenances in Kenya. *African Journal of Ecology* 53:295-303
3. Githae, E.W. 2015. Coping strategies and opportunities for climate-smart agro-pastoralism: A case study of Narok County, Kenya. *Journal of Environmental Sustainability Advancement Research* 1:29-31
4. Waiganjo, B.W., Githae, E.W., Warui, C.M and Opiyo, E.A. 2015. Ethno botanical and vegetation survey of Kiango'mbe and Kianjiru Hill Forests in Embu County, Kenya. *International Journal of Medicinal Plants Research* 4:157-167

5. Githae, E.W., Gachene, C.K.K., Njoka, J.T and Omondi, F.S. 2013. Nitrogen fixation by natural populations of *Acacia Senegal* in the dry lands of Kenya using <sup>15</sup>N natural abundance. *Arid Land Research and Management* 27:1-10
6. Githae, E.W., Gachene, C.K.K and Odee, D.W. 2011. Implication for *in situ* conservation of indigenous species with special reference to wild *coffea arabica* L. population in Mount Marsabit forest, Kenya. *Tropical and Subtropical Agroecosystems* 14:715-722
7. Githae, E.W., Gachene, C.K.K., Njoka, J.T., Odee, D.W and Omondi, S.F. 2011. Genetic diversity of gum Arabic-producing *Acacia Senegal* varieties in Kenya using Inter-Simple Sequence Repeats (ISSR) and Chloroplast Simple Sequence Repeat (cpSSR) markers. In: CTA and FARA (Eds.). Agricultural innovations for sustainable development. Accra, Ghana. 3(2):31-37
8. Githae, E.W., Chuah, M.P., Mworia, J.K and Odee, D.W. 2007. A botanical inventory and diversity assessment of Mt. Marsabit forest, a sub-humid montane forest in the arid lands of northern Kenya. *African Journal of Ecology* 46:39-45

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Status
1	Waiganjo Bibianne, PhD	Efficacy, safety and conservation status of ant malarial and mosquito repellent plants used in Embu County, Kenya	Continuing
2	Kibaara David, PhD	Phytoplankton diversity, physico-chemical variation and their control using <i>Moringa</i> species in the Economic Stimulus Programme (ESP) Fish Ponds in Tharaka-Nithi County	Continuing
3	Jafford Njeru, PhD	Environmental factors that influence regeneration and phenology of <i>Ocotea usambarensis</i> Engl. establishment on the southern slopes of Mt. Kenya	Continuing
4	Okora Shem, MSc	Factors influencing adoption of agro forestry for management of land degradation in agro-pastoral areas of Narok County	Graduated 2016
5	Gachachi Faith, MSc	Assessing the effects of livestock pesticides on pastoral and agro-pastoral livelihoods and their environment in Narok County	Graduated 2016
6	Otieno David, MSc	Characterization of municipal solid waste stream and its effects on the environment in Narok Town and its environs	Graduated 2015
7	Ndubi Doris, MSc	Analyzing the influence of physico-chemical properties and microbial diversity of water sources to environment and health	Graduated 2015



### **Ngugi Harun Njenga**

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## **EDUCATION**

Ph.D. Candidate in Medical Entomology (University of Nairobi)

Master of Science in Applied Parasitology (University of Nairobi)

Bachelor of Education in Botany and Zoology (Egerton University)

## **FIELD OF SPECIALIZATION**

Parasitologist/Entomologist

## **WORK EXPERIENCE**

2011-Present: Ass. Lecturer, Department of Biological Sciences: Chuka University

2010-2011: Part-time Lecturer of Zoology: JKUAT

2010-2014: Part-time Lecturer of Zoology: Kenyatta University Mombasa Campus

2009-2011 Part-time Lecturer of Zoology: Daystar University Mombasa Campus

## **KEY RESEARCH PROJECTS**

2003-2006: Malaria transmission and vector ecology in western Kenya Highlands

2004: Schistosomiasis transmission and immunology in laboratory mice, Institute of Primate Research, Nairobi

2014-Present: Ecology of the immature stages of the dengue vector *Aedes aegypti* in coastal Kenya

## **RECENT PUBLICATIONS**

C. Garros, N. Ngugi, A.E. Githeko, N. Tuno, and G. Yan (2008). Gut Content Identification of Larvae of the *Anopheles gambiae* Complex in Western Kenya Using a Barcoding Approach. *Mol Ecol Resour.* 8(3): 512–518

## **RESEARCH INTERESTS**

Ecology of mosquito vectors of dengue and malaria. Ecology of breeding habitats

Environmental management practices for larval source reduction measures in vector control.

Contemporary mosquito larval control techniques; Entomopathogenic organisms



### Christopher Sikuku Mutuku

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## EDUCATION

Master of Science (Microbiology), Kenyatta University

Bachelor of Education (Science Biology), Egerton University

## FIELD OF SPECIALIZATION

Microbiologist

## WORK EXPERIENCE

2013-date: Assistant Lecturer, Department of Biological Science, Chuka University

2003-2012: Science Teacher Trainer, Machakos Teachers College

1998-2002: High School Biology instructor, Vyulya Girls, Machakos

## RECENT PUBLICATIONS

1. Mutuku Christopher. 2017. Antibiotic resistance profiles among enteric bacteria isolated from wastewater in septic tanks. *American Scientific Research Journal for Engineering, Technology & Sciences*, 27(1)99-107
2. Onyango B.O., Mbaluto C.A., Mutuku C.S. & Otieno D.O. 2016. Molecular characterization of wood ear mushrooms (*Auricularia* sp) from Kakamega forest in Western Kenya. *Current Research in Environmental & Applied Mycology*, 6(1)51-60.
3. Mutuku C., Okemo P., & Boga H. 2014. Metal pollutants distribution within the Lake Victoria basin and their influence on native and transient microbial flora. *ARPN Journal of Agricultural and Biological Sciences* 9(4)127-133.
4. Mutuku C. & Matolo P.M., 2014. Temporal variation in coliform densities in groundwater supplies in a county residential estate. *Annals of Biological research*, 5(8)30-35.
5. Mutuku C., Okemo P., & Boga H. 2014. Association of metal tolerance with multidrug resistance among environmental bacteria from wetlands of Lake Victoria basin. *Agriculture and Biology Journal of North America* 5(1)24-32.

## RESEARCH INTERESTS

Microbe-metal interactions; role of microbes in remediation of metal polluted habitats.  
Antimicrobial resistance: tolerance to disinfectants and antibiotics



## Peter Kiplang'at Koech

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[kiplangatpk@yahoo.com](mailto:kiplangatpk@yahoo.com)

## EDUCATION

Master of Science (Zoology), Physiology and Cellular Biology, University of Nairobi

Bachelor of Education (Science), Egerton University

## FIELD OF SPECIALIZATION

Lecturer of Animal Physiology

## WORK EXPERIENCE

Jan 2013-date: Assistant Lecturer

Sept 2007-Dec 2012: Teacher

## KEY RESEARCH PROJECTS

2005-2008: Comparative study of mosquito repellent activities of *Ocimum basilicum*, *Azadirachta indica*, *Eucalyptus citriodora* and *Chrysanthemum cinerariefolium* extracts and their synergistic effects

## RECENT PUBLICATIONS

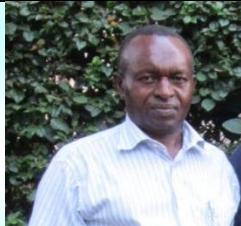
1. Kiplang'at, P.K. & Mwangi, R.W. 2013. Repellent activities of *Ocimum basilicum*, *Azadirachta indica* and *Eucalyptus citriodora* extracts on rabbit skin against *Aedes aegypti*. *Journal of Entomology and Zoology studies*. 1(5):84-91
2. Kiplang'at, P.K. & Mwangi, R.W. 2014. Synergistic repellent activity of plant essential oils against *Aedes aegypti* on rabbit skin. *International Journal of Mosquito Research*. 1(4):55-59.
3. Kiplang'at, P.K. 2016. Repellent and feeding deterrent activity of a natural formulation from plant extracts on rabbit and human skin against *Aedes aegypti*. *International Journal of Mosquito Research*. 3(4):6-10

## RESEARCH INTERESTS

Hypoglycemic, diuretic and antipyretic activities of ethno-medicinal plant extracts

Study of mosquito growth regulatory activity of plant extracts

Study of the effects of ethno medicinal plant extracts on Hypothalamo-hypophyseal gonadal axis hormonal levels



### **David Ithigi Kibaara**

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## **EDUCATION**

Ph.D. in progress

Master of Science in Hydrobiology

B.Ed. (Science) in Botany and Zoology

International Training on Limnology (International Certificate)

## **FIELD OF SPECIALIZATION**

Hydrobiologist/Limnologist

Lecturer of Botany and Zoology

## **WORK EXPERIENCE**

2013-2015: Lecturer, Coordinator of Department of Biological Sciences

2011-2012: Assistant Lecturer

## **KEY RESEARCH PROJECTS**

2016 (ongoing): Algal biomass and diversity and their effects on physicochemical properties of water in the economic stimulus programme (ESP) fish ponds in Tharaka-Nithi County. A Project funded by Chuka University (ongoing).

2013-2016: Preparation of bone, coconut and rice husk charcoals and utilizing them in sorption of heavy metals from aqueous solution. A Project funded by Chuka University. 2016 (ongoing)

## **RECENT PUBLICATIONS**

1. Njoka E. N., Ombaka O., Gichumbi J. M., Kibaara D. I. and Nderi O. M. (2015). *Characterization of clays from Tharaka-Nithi County in Kenya for industrial and agricultural applications*. African Journal of Environmental Science and Technology. 9(3):228-243
2. Ombaka, O, Musundi, S.W., Gitonga L. K., Kibaara D. I. and Olivia, A. N. (2013). *Rapid, Economical and Selective Complexometric Determination of Iron (III) in its synthetic alloys using 3 hydroxy-3 phenyl-1-(2,4,6-tribromophenyl) triazene*. International Journal of Scientific & Engineering Research, 4(9):140.
3. Ombaka, O., Gichumbi J.M., Mukono, S.T. and Kibaara D. I. (2013). *Effect of human activities and seasonal variation on water quality of Nkenye (Chikuu) Stream in Chuka, Kenya*. International Journal of Modern Chemistry, Florida. 4(1): 50-65

4. Ombaka, O., Gichumbi J.M. and Kibaara D. I. (2013). *Evaluation of ground water and tap water quality in the villages surrounding Chuka Town, Kenya.* Journal of Chemical, Biological and Physical Sciences. 3(2):1551-1563.

### **RESEARCH INTERESTS**

Ecology and Biology of Organisms of Aquatic Ecosystems—rivers, lakes, dams, ponds and wetlands



### **James Maina Mwangi**

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## **EDUCATION**

Ph.D. (In progress): Julius Kuhn Institute-Germany

Master of Science in Plant Pathology, Kenyatta University

Bachelor of Education Science (Botany & Zoology), Kenyatta University

## **FIELD OF SPECIALIZATION**

Botany (Plant Pathology)

## **WORK EXPERIENCE**

Dec, 2012-2016: Assistant Lecturer, Chuka University

Jan-Nov 2012: Part-time Lecturer, Kenyatta University

## **KEY RESEARCH PROJECTS**

2009-2011: Study of plant parasitic nematodes in cabbage cropping systems

2012-2014: Investigation on the presence of potato cyst nematode (PCN) *Globodera rostochiensis* in Kenya

## **RECENT PUBLICATIONS**

1. Mwangi, J.M., Kariuki G.M., Waceke J.W. and Grundler F. 2015. First report of *Globodera rostochiensis* infesting potatoes in Kenya. *New Disease Report* 31, 18.
2. Mwangi, J.M., Waceke J.W. and Kariuki G.M. 2014. Occurrence and abundance of plant parasitic nematodes in cabbage-based cropping systems in Kenya. *ARP Journal of Agricultural and Biological Science* 9 (10) 326-332.

## **RESEARCH INTERESTS**

Study on plant disease resistance mechanisms

Development of sustainable management of plant parasitic nematodes with special focus on Potato cyst nematodes



## Anne Jerotich Garry Michura

**Designation:** Lecturer

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## EDUCATION

Ph.D. (In progress)

Master of Philosophy in Zoology Agricultural Entomology

Bachelor of Education (Science) Biology

Bachelor of Education Science (Botany & Zoology), Kenyatta University

## FIELD OF SPECIALIZATION

Lecturer in Zoology

## WORK EXPERIENCE

2012-date: Lecturer, Chuka University

2010-2012: Assistant lecturer, Chuka University

2007-2010: Part-timer-Kabarak, Egerton: Director, Betem Farm Supplies-Nakuru

2002-2006: Product manager (crop protection), Pyrethrum Board of Kenya-Nakuru

1993-2001: Biology teacher, Njoro Boys High school, Nakuru

## KEY RESEARCH PROJECTS

2011-date: Natural synergists that improve efficacy of botanical insecticides

## RECENT PUBLICATIONS

1. P. K. Cheplogoi, M. K. Lang'at, D. L. Arop and A. J. G. Michura Flindersiamine, a Furoquinoline Alkaloid from *Vepris uguenensis* (Rutaceae) as a Synergist to Pyrethrins for the Control of the Housefly, *Musca domestica* L. (Diptera: Muscidae) *Journal of the Kenya Chemical Society*. Vol. 6 June 2011
2. P. K. Cheplogoi, M. K. Lang'at, D. L. Arop and A. J. G. Michura. Effects of plant extracts on efficacy of pyrethrins against the housefly (*Musca domestica*) *Journal of the Kenya Chemical Society*. Vol. 5 June 2008

## PATENTS

P. K. Cheplogoi, M. K. Lang'at, D. L. Arop and **A. J. G. Michura**. Piperine, a piperidin Alkaloid from *Piper nigrum* l. as a synergist to pyrethrins for the control of insect pests and vectors *Journal of Patents*, 31<sup>st</sup> August, 2009.

## RESEARCH INTERESTS

Formulations and use of natural and safe insecticides

Value addition on food crops



### **Anthony Mwangi Muhoro**

**Designation:** Senior Technologist

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## **EDUCATION**

Master of Science in Veterinary Epidemiology and Public Health, Royal Veterinary College (University of London)

Bachelor of Science (Zoology), Moi University

HND Applied Biology, Mombasa Polytechnic University College

Dip. Applied Biology, RVTTI

## **FIELD OF SPECIALIZATION**

Technologist

## **WORK EXPERIENCE**

March 2016 to date: Senior Technologist at Chuka University

March, 2011-March, 2016: Laboratory Technologist at Ministry of Agriculture (Regional Veterinary Research Laboratory)

## **KEY RESEARCH PROJECTS**

2015 MSc. Thesis: Parasitic causes of organ condemnation and their economic implication in cattle slaughtered at Eldoret municipal abattoir, Kenya

## **RESEARCH INTERESTS**

Parasitic infections of public health importance.

Detection and analysis of antibiotic residues in animal food products.

Vectors of zoonotic diseases

## **COMMUNITY SERVICE**

Visiting and providing services to children homes



### **Truphena Jebet Koech**

**Designation:** Senior Technologist

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## **EDUCATION**

Bachelor of Science (Zoology/Botany), Moi University

HND Applied Biology, KNEC, The Eldoret Polytechnic

Dip. Applied Biology, KNEC, Rift Valley Technical Training Institute

## **FIELD OF SPECIALIZATION**

Laboratory Technologist

## **WORK EXPERIENCE**

2016 to date: Senior Laboratory Technologist, Chuka University

2014-2016: Laboratory Technologist, University of Kabianga

2010-2014: Laboratory Technician, Kabianga University College

## **KEY RESEARCH PROJECTS**

2016: Assessing water contamination levels of probable pathogenic bacteria (coliforms) using *Escherichia Coli* in different drinking water sources in Pioneer estate, Eldoret. (Undergraduate research project)

## **RESEARCH INTERESTS**

Environmental Microbiology



### **Fredrick Otieno Ogolla**

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## **EDUCATION**

MSc in Botany (Plant Pathology)-On going, Chuka University

Bachelor of Phil. in Technology (Applied Biology), Technical University of Kenya

Higher National Diploma in Applied Biology, Eldoret National Polytechnic

Diploma in Applied Biology, Kenya Polytechnic

Diploma in Technical Education, KTTC

## **FIELD OF SPECIALIZATION**

Botany, Molecular Biology, Microbiology, Phytochemistry

## **WORK EXPERIENCE**

2016 to date: Technologist–Biology (Chuka University)

2015-2016: Technologist–Biology (University of Embu)

2015: Technologist (James Finlay's)

2011-2015: Technologist–Biology (Technical University of Kenya)

## **RESEARCH INTERESTS**

Plant Pathology: Microbiology, Nematology and Mycology

## **COMMUNITY SERVICE**

**Fridah Cheptum**

**Designation:** Technologist

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**EDUCATION**

Higher National Diploma in Applied Biology (Ongoing), Eldoret National Polytechnic

Diploma in Applied Biology, Eldoret National Polytechnic

Diploma in Technical Education, KTTC

**FIELD OF SPECIALIZATION**

Zoology, Microbiology,

**WORK EXPERIENCE**

2011 To date: Technologist–Biology, Chuka University

2010: Technologist Tissue Culture, KALRO

**RESEARCH INTERESTS**

Microbiology, Biotechnology



### **Dr. Ochieng Ombaka**

**Designation:** Senior Lecturer/COD, Physical Sciences Dept

**Faculty:** Science, Engineering & Technology

**Department:** Physical Sciences

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## **EDUCATION**

Postgraduate Diploma in Education, Kenyatta University (1999-2000)

PhD in Analytical Chemistry; Mohanlal Sukhadia University (1993-1996)

MSc in Chemistry, Mohanlal Sukhadia University (1990-1992)

Bachelor of Science, Mohanlal Sukhadia University (1987-1990)

## **FIELD OF SPECIALIZATION**

Analytical Chemistry

## **WORK EXPERIENCE**

Nov. 2010 to Date: Lecturer in Chemistry, Chuka University

January, 2008 to July, 2010: Lecturer in Chemistry, Kisumu Polytechnic College,

May, 1997 to Dec. 2008: Lecturer in Chemistry, Mawego Technical Training College.

January 1994-January 2006: Tutorial fellow, Mohanlal Sukhadia University,

## **KEY RESEARCH PROJECTS**

2014-2015: Effects of Natural Licks in Lactating Dairy Goat Ration in Tharaka-Nithi County, Kenya

2012-2013: Analysis of Clays from Selected Areas as a Possible Raw Materials for High Quality Ceramic Products

## **RECENT PUBLICATIONS**

1. Ombaka, O. (2016). Characterization and classification of clay minerals for potential applications in Rugi Ward, Kenya. *African journal of Environmental Science and Technology*. 10(11) 415-43
2. Onesmus Munene Nderi, Levi Mugalavai Musalia & Ochieng Ombaka (2015).Effects of natural licks on feed intake, nutrient digestibility, milk production and quality in Kenya Alpine Dairy Ration. *Int. J. Agric. Sc. & Vet Med*. 3(4) 65-75.
3. Onesmus Munene Nderi, Levi Mugalavai Musalia & Ochieng Ombaka. (2015) Determination of essential minerals and toxic elements composition of the natural licks consumed by livestock in Tharaka-Nithi County, Kenya. *IOSR Journal of Agriculture and Veterinary Science*. 8(10) 45-53.
4. Njoka E. N., Ombaka O., Gichumbi J.M., Kibaara D.I & Nderi O.M. (2015). Characterization of clays from Tharaka-Nithi County in Kenya for Industrial and

- Agricultural Applications. *African Journal of Environmental Science and Technology*. 9(3) 228-243.
5. Onesmus Munene Nderi, Levi Mugalavai Musalia & Ochieng Ombaka (2014). Livestock Farmers Perception on the relevance of natural licks in Igambangombe Division, Tharaka Nithi County, Kenya. *IOSR Journal of Agriculture and veterinary Science*. 7(5)52-59.
  6. Ombaka O., Ndau, A., Kibaara D. I., Njiri A. O.& Kosgei K. W. (2014). Spectrophotometric Determination of traces of Lead (II) in Spinach Samples marketed in Chuka, Kenya. *International Journal of Modern Chemistry*. 6: 1-17.
  7. Musundi S. Wabomba, Ombaka C. Ochieng, Njogu S. Muriuki, Fredrick Muthengi, Mugambi Dennis & Charles K. Gitonga. (2014). Application of Banach Space Ideal properties in Image Transmission over Wireless Network. *Journal of Emerging Trend in Computing and Information Sciences*. 215-219.
  8. Ombaka O., Musundi S. W., Gitonga L. K., Kibaara. D. & Olivia A. N. (2013). Rapid, Economical and selective Compexometric Determination of Iron (III) in its synthetic alloys using 3 hydroxy-3 phynyl-1-(2, 4, 6-tribromophynyl). *International Journal of Scientific & Engineering*. 4(9).
  9. Musundi S. Wabomba, Ombaka C. Ochieng, Njogu S. Muriuki, Fredrick Muthengi, Mugambi Dennis & Shem O. Away (2013). Conjecture of Banach space operator ideals in nuclear spaces. *Asian Journal of Current Engineering and Maths* 2(3)196-200.
  10. Ombaka O., Gichumbi, J.M and Kibaara, D., Evaluation of Ground Water and Trap Water Quality in the Villages Surrounding Chuka Town, Kenya (2013). *Journal of Chemical, Biological and Physical Science*. 3(2), 1551-1563.
  11. Ombaka O., Gichumbi, J.M, Mukono, S.T & Kibaara, D. (2013). Effect of Human Activities and Seasonal Variation on Water Quality of Nkenye (Chikuu) Stream in Chuka, Kenya. *International Journal of modern Chemistry* 4(1), 50-65.
  12. Ombaka O. and Gichumbi, J.M. (2012). Water quality assessment of Ruguti River in Meru South, Kenya. *International Journal of Water Resources and Environment Engineering*. 4(12)404-414.
  13. Ombaka O. &Gichumbi, J. M. (2012). Investigation of Physicochemical and Bacteriological Characteristics of Water Samples from Irigu River Meru South, Kenya. *International Journal of Scientific & Engineering Research*. 3(11).
  14. Ombaka O., Gichumbi, J.M, & Kinyua, C.G. (2012). Status of Water Quality of Naka River in Meru South, Kenya. *International Journal of modern Chemistry*. 3(1), 23-38.
  15. Gichumbi, J.M, Ombaka O., & Gichuki, J.G. (2012). Geochemical and Mineralogical Characteristics of Geophagic Materials from Kiambu, Kenya. *International Journal of modern Chemistry*. 2(3), 108-116.
  16. Ombaka O., Muguna, A.T., & Gichumbi, J.M. (2012). Antibacterial and Antifungal activities of Novel hydroxytriazenes. *Journal of Environmental Chemistry and Ecotoxicology*.4 (7), 133-136,

17. Ombaka O. & Gichumbi, J.M. (2012). Spectrophotometric Determination of Iron (III) by New Analytical Reagents Derived from Coupling Aryl hydroxylamine and Aryldiazonium salt. *Asian Journal of Chemistry*. 24(4), 1483-1488.
18. Ombaka O. & Gichumbi, J.M. (2011). Spectrophotometric Determination of cobalt (II) in low concentrations using hydroxytriazenes as selective chelating agents. *African Journal of Pure and Applied Chemistry*. 5(15), 494-502.

### **POSTGRADUATE STUDENTS SUPERVISED**

Onesmus Munene Nderi, MSc. in Animal Nutrition - Completed 2015

Felicity Kaari MSc. in Chemistry - Completed 2016

Lawrence Kinyua Muthuri, MSc. in Environmental Science - Ongoing

Kibaara David Ithigi, PhD in Botany - Ongoing

Jacob Kirimi, PhD in Mathematics - Ongoing

Onesmus Munene Nderi, PhD in Animal Science - Ongoing

### **RESEARCH INTEREST**

Synthesis, biological activities and spectroscopy of transitional metal complexes



### **Prof. Zachary Moranga Getenga**

**Designation:** Professor of Chemistry

**Faculty:** Science, Engineering & Technology

**Department:** Physical Sciences

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## **EDUCATION**

Post-doctorate, Helmholtz Zentrum in Munich, Germany

Ph.D. in Chemistry, Maseno University

Master of Science in Chemistry, University of Nairobi

BSc. in Chemistry, University of Nairobi

## **FIELD OF SPECIALIZATION:** Environmental and Analytical Chemistry

## **WORK EXPERIENCE**

2012-date: Professor of Chemistry

2009-2012: Associate Professor

2003-2007: Senior Lecturer

1992-2002: Lecturer

2009-2012: External Examiner, University of Nairobi

## **KEY RESEARCH PROJECTS**

2014-date: Development of a suitable kinetic model for degradation of some pesticides in soil under laboratory conditions

2014-2015: Integrative approach in sustainable environmental pollution management

2010-2012: Isolation and characterization of carbofuran-degrading bacteria: A case study of Nzoia River Basin

2009-2011: Use of organic amendments to improve crop yields and curb pollution of the water resources in Nzoia River Drainage Basin, Kenya

2004-2010: Sustainable management and utilization of wetland resources for poverty alleviation in the Nzoia River, Nakivubo, and Mwanza Gulf Drainage basin

2001-2004: Determination of herbicide residue levels in soil and their interaction with soil matrices using <sup>14</sup>C-radio isotope tracer techniques

## **RECENT PUBLICATIONS**

1. Nischwitz, V., S. Zor, R. Mogwasi, Z. Getenga and D.K. Kariuki (2016). First comprehensive study on total contents and hot water extractable fractions of selected elements in 19 medicinal plants from various locations in Nyamira County, Kenya. Accepted, Journal of Trace Elements in Medicine and Biology
2. Jemutai Kimosop S., Getenga Z. M., Orata F.O., Okello V.A. and cheruiyot J.K. (2006). The Levels and Discharge Loads of Antibiotics in Wastewater Treatment

- Plants and Hospital Lagoons within Lake Victoria Basin, Kenya (2016). Accepted by Environmental Monitoring and Assessment
3. Gershom K. M., A. N. Ngigi and Z. M. Getenga (2016). Degradation characteristics of metribuzin in soils within Nzoia River drainage basin, Kenya. Toxicological & Environmental Chemistry.
  4. Ongulu R., Kituyi J. and Getenga Z. (2015). Assessment of the pollution impact in Winam Gulf. Inter. J. Scientific and Engineering Research 6(10):1374-1386.
  5. Ongulu, R.A., Kituyi, J.L. and Getenga Z.M. (2015). Biosorption of Pb<sup>2+</sup> and Cr<sup>2+</sup> using *Moringa oleifera* and their adsorption isotherms. Science Journal of Analytical Chemistry 3(6): 100-108.
  6. Daniel O. Onunga, Isaac O. Kowino, Anastasia N. Ngigi, Aggrey Osogo, Francis Orata, Zachary M. Getenga and Hassan Were (2015). Biodegradation of Carbofuran in soils within Nzoia River basin, Kenya. J. of Environ. Sci. and Health part B: Pesticides, Food contaminants and Agricultural wastes 50 (6): 387-397, DOI: 10.1080/03601234.2015.1011965.
  7. Gershom Kyalo-Mutua, Anastasia Ngigi and Zachary Getenga (2015). Study of Chlorpyrifos in soils with different treatment regimes within the Nzoia River Drainage Basin, Kenya. Bull. Environ. Contam. Toxicol. 94(3):387-392.
  8. Selly Jemutai-Kimosop, Francis Orata, Isaac Odhiambo K'owino and Zachary Getenga (2014). The dissipation behavior of carbofuran in two soils differing in prior exposure to carbofuran within Nzoia River Drainage Basin, Kenya. Bull. Environ. Contam. Toxicol. 92(5):616-620.

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date in	Status
1	Anastasia Ngige (PhD)			2011
2	Richard Mogwasi (PhD)		2013	2016
3	Rose Ongulu (PhD)		2012	2016
4	Bonface Mbithi (PhD)		2013	Submitted
5	Selly Kimosop		2011	2012
6	Kyalo Mutua		2012	2013
7	Joseph Nyaundi		2010	2012

#### **RESEARCH INTERESTS**

Study of the behaviour of agricultural chemicals in soil. Kinetic studies of their degradation under abiotic and biotic conditions.

Isolation of adapted key pesticide degraders from soils with long term exposure to the chemicals. Possibilities of the application of the key pesticide-degraders or communities for bio-augmentation in bioremediation studies of contaminated sites.

Analysis of speciation of essential elements in Kenyan medicinal plants.

Kinetics of metal pollutants' bio-sorption by natural products biomass.

Phytoremediation and sorption kinetics of pharmaceuticals by iron-doped adsorbents.



### **Dr. Paul Kuria Kamweru**

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## **EDUCATION**

Dr. *rer.nat* (Ph.D) in Biophysics, Friedrich Schiller University Jena, Germany

Master of Sciences (Physics), Egerton University

B.Ed. Science (Mathematics and Physics), Egerton University

## **FIELD OF SPECIALIZATION**

Material Scientist

## **WORK EXPERIENCE**

Post-doc/Scientist/ Researcher, Leibniz Institute of Age Research Jena

Lecturer, Chuka University

Assistant Lecturer, Chuka University

Part-time Lecturer and Laboratory/Practicals, Egerton and Chuka Universities

## **KEY RESEARCH PROJECTS**

Polyurethane degradation and Potential Impacts to environment elucidation

Kinetochore and Centromeric Chromatin structure elucidation by Modern

Spectroscopic Techniques Plastics Degradation: Acceleration of Polyethylene Photo-

and Thermal degradation

## **RECENT PUBLICATIONS**

1. Kamweru P.K. and Tindibale E.L. Plastics; the good the bad and the ugly. Accepted for publication, International Journal of Physical Sciences.
2. Kamweru P.K. Imaging review from Anatomic to Molecular and Atomic Resolution scales. Accepted for publication, African Journal of Biotechnology
3. Kamweru P.K. and Tindibale E.L. Vitamin D from Mushrooms and Ultraviolet Irradiated Mushrooms. Int J Med Mushrooms. 2016;18 (3):205-14. doi: 10.1615/IntJMedMushrooms.v18.i3.30.
4. Muthui Z.W., Kamweru P. K., Nderitu F. G., Hussein S. A. Golicha, Ngumbu R. and Njoroge G. N. (2015). PLA Viscoelastic Properties and Their Degradation Compared With Those of Polyethylene. Accepted for publication in the next issue of *International Journal of Physical Sciences*. DOI: 10.5897/IJPS.
5. Ngunya H Ndiritu F.G, Kirui M.S.K, Kamweru P.K, Eunice O.A, Odhiambo P.M, Ngumbu R. (2015).Comparison of storage modulus, loss modulus and damping factor of conventionally processed high density polyethylene with high density

- polyethylene/coconut husks/oak tree/cassava blends. *Int. Journal of Applied Sciences and Engineering Research*. 4(4). ISSN 2277 – 9442
- 6. SospeterNgoci Njeru, Meshack Amos Obonyo, Silas MwanikiNgari, SamwelNyambatiOnsarigo, John Mwaniki Njeru and Paul Kuria, Kamweru (2015). Antituberculous, antimicrobial, cytotoxicity and phytochemical activity study of *Piliostigmathonningii*extract fractions. *Journal of Medicinal Plants Research*. Vol. 9(22), pp. 655-663, DOI: 10.5897/JMPR2015.5822
  - 7. Christian Abendroth, Antje Hofmeister, Sandra B. Hake, Paul K. Kamweru, Elke Miess, Carsten Dornblut, Isabell Küffner, Wen Deng, Heinrich Leonhardt, Sandra Orthaus, Christian Hoischen, Stephan Diekmann (2015). The CENP-T C-terminus is proximal to exclusively H3.1 but not to H3.2 or H3.3. *Int. J. Mol. Sci.*, 16, 5839-5863; doi:10.3390/ijms16035839
  - 8. Tindibale L. Edward, M.S.K. Kirui, Josiah O. Omolo, Richard G. Ngumbu, Peter M. Odhiambo, Kamweru Paul K. (2015).Change in Concentration of Vitamin D2 in Oyster Mushrooms Exposed to 254nm and 365nm UV-light During Growth. *International Journal of Biochemistry and Biophysics* 3(1): 1-5, 2015. DOI: 10.13189/ijbb.2015.030101
  - 9. Kamweru P.K. Ndiritu F.G. Kinyanjui T, Muthui Z. W., Ngumbu R.G. and Odhiambo P.M. (2014). UV Absorption and Dynamic Mechanical Analysis of Polyethylene Films. *International Journal of Physical Sciences*. 9:24. 545-555. DOI: 10.5897/IJPS2014.4229.
  - 10. Njoroge G. Ndegwa, Ndiritu F. G., Golicha S. A. Hussein, Kamweru P. K., Kagia J. K., Muthui Z. W. (2014). Reflectance, Transmittance and Absorptance of HDPE, LDPE, Glass and Sand Layer Used in a SAH. *International Journal of Applied Physics and Mathematics*. 4: 6. 406-416. doi: 10.17706/ijapm.2014.4.6.406-416
  - 11. Muthui Z. W, Ndiritu F. G, Hussein S. A. Golicha, Kamweru P.K., Ngumbu R. (2014). Determination of the glass transition temperature and modulus of PLA films using dynamic mechanical analysis at 50 °c, and amplitude of 10  $\mu$ M.*Asian Journal of Natural & Applied Sciences*. 3 (1). 12-19. ISSN:2186-8476, ISSN:2186-8468 Print
  - 12. Njoroge, G. N., Ndiritu, F. G., Hussein G., Kamweru P. K. (2014). The Performance of Solar Air Heater with High Density Polyethylene Paper as Top Cover and Brown Sand Layer as an Absorber. *International Journal of Energy Science*. (IJES) 4:3. 85-90. doi: 10.14355/ijes.2014.0403.03
  - 13. Muthui Z. W., Ndiritu F. G., Hussein S. A., Golicha H.A., Ngumbu R., Kamweru P. K. (2013). Determination of the Density and the Damping Properties of Polyethylene (PE) and Polylactic (Pla) Films Using Dma. *IJIRS*. 2 (8).ISSN 2319-9725
  - 14. Kamweru P.K. Ndiritu F.G. Kinyanjui T, Muthui Z. W., Ngumbu R.G. and Odhiambo P.M. (2012). Study of Humidity and UV Wavelength Range Effects on Degradation of Photo-Irradiated Polyethylene Films Using DMA. *Journal of Macromolecular Science, Part B: Physics*, 51:5, 817-827.

15. Kamweru P.K., Ndiritu F.G. Kinyanjui T, Muthui Z. W., Ngumbu R.G. and Odhiambo P.M. (2011). Study of Temperature and UV Wavelength Range Effects on Degradation of Photo-Irradiated Polyethylene Films Using DMA. *Journal of Macromolecular Science, Part B: Physics*, 50:7, 1338-1349.

#### **POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date in	Status
1	Maina C. W.	Biodegradation of Polyurethane products	2015	Continuing
2	Jonathan K. M	Use Rice Husk Ash as Plastic reinforcement	2016	Continuing
3	Ndung'u R.W.	Effects of UV on germination and growth of plants	2016	Continuing
4	NyaronjeC	Bioplastics and Bioplastic Polyethylene Composites	2016	Continuing
5	Gideon A. O	Optical and Electronic Properties of Calcium Fluoride Films	2016	Continuing
6	Ireri J. G.	Spider Silk Dynamic Mechanical Properties	2016	Continuing
7	Malavi B.	Dynamic Mechanical Properties of Selected Clays	2016	Continuing
8	Butembu S.	Effects of radiations to fiber Optics signal	2016	Continuing

#### **RESEARCH INTERESTS**

Biophysics... Microscopic Techniques

Solid waste management plastics and polymer based materials degradation and Impacts to Environment.



### **Dr. Sammy Musundi Wabomba**

**Designation:** Senior Lecturer/Examination Officer

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**Department:** Physical Sciences

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## **EDUCATION**

Ph.D. in Pure Mathematics

Master of Science in Pure Mathematics

B.Ed. (Science)

## **FIELD OF SPECIALIZATION**

Functional Analysis-Operator Theory

## **WORK EXPERIENCE**

Feb, 2016-to Date: Reviewer, Science Publishing Group “Mathematics and Computer Science; U.S.A. <http://www.sciencepublishinggroup.com/j/mes>

2016-2017: Editorial Board Member, “Journal of Multidisciplinary Engineering Science and Technology”

## **KEY RESEARCH PROJECTS**

2015-2017: *Modelling HIV/AIDS Co-Infection with malaria and tuberculosis in the presence of treatment and counselling.* (NACOSTI) Research Grant (Ksh 560,000)-PhD Research Supervision: Mark Okongo Onyango

2015: (On Going) *Norm estimates for norm-attainable operators.* (Nacosti) Research Grant (Ksh (500,000)-PhD Research Supervision: Jerimiah Ndung'u Kinyanjui

2014: *Application of banach space ideal properties in image transmission over wireless network.* International Center for Pure and Applied Mathematics (Cimpa) Grant (October, 2014) Of € 400.

2012-2014: *Application of banach space ideal properties in computer network transmission-Chuka University College Staff Research Grant-(2012) (Ksh. 500,000)*

2009-2013: *On norms of ideals and their properties in banach spaces-The National Council for Science and Technology (NCST) PhD Research Grant (Ksh 1.2 m).*

## **RECENT PUBLICATIONS**

1. Musundi Sammy W, M'mukiira Peter Mutwiri, Mungai Fredrick. 2016. *Modeling and Forecasting Kenyan GDP Using Autoregressive Integrated Moving Average Models.* Science Journal of Applied Mathematics and Statistics. 4(2):64-73.
2. Mohammed Mustapha W., Mwenda Samwel N., Musundi Sammy W. and Njoroge Elizabeth, 2015, *Analysis of Volatility of Real Exchange Rate and Exports in Kenya using the Garch Model: 2005:2012,* Journal of Multidisciplinary Scientific Research, 3(4):27-38.

3. Sitati N. Isaiah, Sammy W. Musundi, Benerad M. Nzimbi and Kikete W. Dennis, 2015. *A Note on Quasi-similarity of Operators in Hilbert Spaces*, International Journal of Mathematical Archive, 6(7):49-54.
4. Mwenda E., Musundi S. W., Nzimbi B. M., Marani V. N., and Loyford N. 2014. *Distribution of Spectrum in a Direct Sum Decomposition of Operators into Normal and Completely Non normal parts*; International Journal of Modern Mathematical Sciences: Modern Scientific Press, USA, 11(3):118-124.
5. Musundi S. Wabomba, Fredrick Muthengi, Njogu S. Muriuki, Ombaka C. Ochieng, Mugambi Dennis and Charles K. Gitonga. 2014. *Application of Banach space ideal properties in image transmission over wireless network*, Journal of Emerging Trends in Computing and Information Sciences, 5 (3):215-219.
6. Kinyanjui J. N, Musundi S. W., Rimberia J., Mwenda E. and Rutto P. K. 2013. Suborbital Graphs and their properties for unordered pairs in  $An(n=5,6,7,8)$  through rank and subdegrees determination”, International Research Journal of Pure Algebra, 3(12):362-369.
7. Kinyanjui J. N, Musundi S. W., Rimberia J., Sitati N. I. and Makila P. 2013. Transitivity Action of  $An(n=5,6,7,8)$  On Unordered and Ordered Pairs”, International Journal of Mathematical Archive 4(9):1-2.
8. Musundi S. W., Sitati N. I., Nzimbi B. M. and Murwayi A. L. 2013. *On Almost Similarity Operator Equivalence Relation*. International Journal of Research and Reviews in Applied Sciences. 15 (3)
9. Musundi S. Wabomba, Ombaka C. Ochieng , Njogu S. Muriuki, Fredrick Muthengi, Mugambi Dennis and Shem O. Aywa, (2013) *Conjecture of Banach space operator ideals in nuclear spaces*, Asian Journal of Current Engineering and Maths 2(3):196-200.
10. Musundi S. Wabomba, Shem Away, Jan Fourie and John Matuya, 2012. *Unconditional Banach Space Ideal Property*. Journal of Mathematical Sciences: Advances and Applications, 18(1-2): 21-28.

#### **POSTGRADUATE STUDENT SUPERVISED**

SN	Name	Thesis Title	Date in	Status
1	Mark Okongo Onyango	Modelling hiv/aids co-infection with malaria and tuberculosis in the presence of treatment and counselling.” Chuka University	Jan 2014	Graduated 2016(Phd)
2	Jeremiah Ndung'u Kinyanjui	Norm estimates for norm-attainable operators”. Jaramogi Oginga Odinga University of Science & Technology.	Sep 2015	Ongoing PhD
3	Edwin Mwenda	Spectrum in a direct sum decomposition of operators in a hilbert space. University of Nairobi.	July 2015	Ongoing PhD
4	Antony Kinyua Muriithi	Minimum rank of graph with path cover number three. Chuka University.	Dec 2015	Ongoing PhD

5	Eric Gitonga Muriithi	Metric equivalence as an almost similarity relation, Chuka University.	Nov 2014	Ongoing MSc
6	Okwach Jimrise Onyango	Modeling nitrate leaching into groundwater using advection-dispersion equation. Chuka University.	Nov 2014	Ongoing MSc

## **RESEARCH INTERESTS**

Analysis (Functional Analysis, Operator Theory, Topology) and Algebra

## **COMMUNITY SERVICE**

Member of Justice, Peace and Reconciliation Committee, Chuka town PCEA Church (2016-Date)

Member of Chuka University Committee on National Cohesion and National Values (Sep 2014-Date)

Treasurer, FSET Welfare SHG, Chuka University-(2014-Date)

**Dr Eric Chomba Njagi****Designation:** Senior Lecturer**Faculty:** Science, Engineering and Technology**Department:** Physical Sciences

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**EDUCATION**

PhD in Chemistry University of Connecticut (U.S.A)

MSc (Chemical Engineering) Budapest University of Techn. &amp; Economics (Hungary)

BSc in Chemistry University of Nairobi (Kenya)

**FIELD OF SPECIALIZATION:** Inorganic Chemistry; Synthesis of metal oxides and metallic catalysts; liquid and gas phase catalysis**WORK EXPERIENCE**

2016-Date: Senior Lecturer, Department of Physical Sciences, Chuka University

2012-2016: Lecturer, Chuka University &amp; Technical University of Kenya

**RECENT PUBLICATIONS**

1. E.C. Njagi, C.-H. Chen, H. Genuino, H. Galindo, H. Huang, S.L. Suib (2010) Total oxidation of CO at ambient temperature using copper manganese oxide catalysts prepared by a redox method. *ApplCatal B: Environ* 99:103-110
2. E.C. Njagi, H. Huang, L. Stafford, H. Genuino, H. M. Galindo, J. B. Collins, G. E. Hoag, S. L. Suib. (2011) Biosynthesis of iron and silver nanoparticles at room temperature using aqueous sorghum bran extracts. *Langmuir* 27:264-271
3. E.C. Njagi, H.C. Genuino, C. King'ondu, C.-H Chen, D. Horvath, S.L. Suib. 2011. Preferential oxidation of CO in H<sub>2</sub>-rich feeds over mesoporous copper manganese oxides synthesized by a redox method. *Int J Hydrogen Energy* 36:6768-6779
4. S. Ching, D. A. Kriz, K. M. Luthy, E. C. Njagi, S. L. Suib. (2011) Self-assembly of manganese oxide nanoparticles and hollow spheres. Catalytic activity in carbon monoxide oxidation. *Chem. Commun.* 47 8286-8288

**POSTGRADUATE STUDENT SUPERVISED**

SN	Name	Thesis Title	Date in	Status
1	Kariuki, A.F.	Synthesis, characterization and biological evaluation of fluorinated hydroxyl-triazene derivatives & their metal complexes	2013	Continuing
2	Murungi, E.	Synthesis and structural characterisation of Cyclopentadienyl iron dicarbonyl complex with thiol ligands	2013	Continuing
3	Ruuri, L. N.	The water quality of river Kathita and the effects of human activities	2013	Continuing

**Dr. Mark Onyango Okongo****Designation:** Lecturer**Faculty:** Science, Engineering & Technology**Department:** Physical Sciences

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[markokongo@yahoo.com](mailto:markokongo@yahoo.com)/[marikookongo@gmail.com](mailto:marikookongo@gmail.com)**EDUCATION**

Ph.D. in Applied Mathematics (Biomathematics), Chuka University, Kenya

Master of Science in Applied Mathematics, Maseno University, Kenya

B. Education (Mathematics and Economics), Kenyatta University, Kenya

Computer Application Packages, African Virtual University

**FIELD OF SPECIALIZATION**

Applied Mathematics (BIOMATHEMATICS)

**WORK EXPERIENCE**

2012-2016: Lecturer, Chuka University

2011-2012: Part time Lecturer, KCA University

2001-2008: TSC Teachers (Onjiko High School)

1999-2000: Lecturer, Kiambu Institute of Science and Technology)

**RECENT PUBLICATIONS**

1. Okongo, M. (2015). The local and global stability of the disease free equilibrium in a co infection model of HIV/AIDS, Tuberculosis and malaria, *IOSR Journal of Mathematics*, 11(6):1-13
2. Okongo, M. and Ochieng O., (2015). The role of treatment and counseling in an HIV/AIDS, Malaria and Tuberculosis model: An analysis of HIV/AIDS and Malaria, *IOSR Journal of Mathematics*, 11(6):50-64.
3. Okongo, M., Gichohi P. and Mugambi, J., (2014). Hall current effects on a flow in a variable magnetic field past an infinite vertical, porous flat plate. *International Journal of Research and Reviews in Applied Sciences*. 19:96-113.
4. Okongo, M., Kirimi, J., Murwayi, A. and Muriithi, K. (2013). Mathematical Analysis of a Comprehensive HIV AIDS Model: Treatment versus Vaccination, *Applied Mathematical Sciences*, 7(54):2687-2707.

**POSTGRADUATE STUDENTS SUPERVISED**

SN	Name	Thesis Title	Date in	Status
1	Jimrise Ochwatch	Modeling the leaching of Nitrate to ground water using the Advection Dispersion Equation.	2014	Continuing

2	Mwinira Ayub	Mathematical modeling of alcohol drinking in central Kenya.	2014	Continuing
3	Nyaga Dan	Effects of Hall current and variable viscosity on hydro magnetic free convection unsteady flow of a fluid past a vertical plate.	2014	Continuing
4	Nthiiri Felix Gitonga	Assessing the impact of unemployment in transmission dynamics of HIV/AIDS.	2014	Continuing

### **RESEARCH INTERESTS**

Mathematical Modeling (Deterministic and Stochastic)



### Alice Lunani Mulama Murwayi

**Designation:** Lecturer

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## EDUCATION

Ph.D., Catholic University of Eastern Africa (CUEA) Ongoing

Master of Science in Applied Mathematics, Kenyatta University, 2005

B. Education (Science), Kenyatta University, 2001

Diploma in Education (Science), Moi Teachers College, Eldoret 1990

## FIELD OF SPECIALIZATION

Applied Mathematics

## WORK EXPERIENCE

2011 to date: Chuka University-Lecturer

2009-2011: Kenya Methodist University (KEMU). Assistant Lecturer

1990-2009: Teachers Service Commission (TSC). High School Teacher

## RECENT PUBLICATIONS

1. M.O. Okongo, J. Kirimi, A.L. Murwayi, D.K. Muriith. (2013). Mathematical Analysis of a comprehensive HIV/AIDS Model: Treatment versus Vaccination. *Applied Mathematical Sciences* 54, 2687-2707
2. S.W. Musundi, I. N., Sitati, B.M., Nzimbi. 2013. On almost similarity operator equivalence relation. *IJRAS* 15(3).
3. J. Kirimi, S.W. Musundi, A.M. Kinyajui, A.L. Murwayi. 2012. Magnetic field and hall current effect on MHD free convection flow past a vertical rotating flat plate. *Asian Journal of Current Engineering and Mathematics.* 6:346-354.

## RESEARCH INTERESTS

Mathematical Modeling of Diseases in Plants and Animals

**Edwin Mwenda**

**Designation:** Assistant Lecturer

**Faculty of, Science Engineering and Technology**

**Department of Physical Sciences**

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**EDUCATION**

Ph.D. in Pure Mathematics, Ongoing

Master of Science in Pure Mathematics

Bachelor of Science in Mathematics

**FIELD OF SPECIALIZATION**

Operator Theory

**WORK EXPERIENCE**

Assistant Lecturer

**KEY RESEARCH PROJECTS**

2015-2016 Distribution of Spectra in a direct summand of operators in a Hilbert space

**RECENT PUBLICATIONS**

1. Njagi, L., Nzimbi B. N. and Mwenda, E. 2015. Sub-degrees and suborbital graphs of symmetric group  $s_n$  ( $n = 3, 4, 5$ ) acting on unordered pairs. Global Educational Research Journal: 3(7):333-345
2. Mwenda, E.; Musundi, S. W. Distribution of spectrum in a direct sum decomposition of operators into a normal and completely non normal parts International Journal of Modern Mathematical Science: 11(3): 118-124
3. Mwenda, E.; Musundi, S. W. Distribution of spectrum in a direct sum decomposition of operators into a normal and completely non normal parts International Journal of Modern Mathematical Science: 11(3): 118-124



### Jacob Kirimi

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## EDUCATION

Master of Science in Applied Mathematics, Kenyatta University

B. Ed (Science) (Mathematics and Physics), Kenyatta University

## FIELD OF SPECIALIZATION

Applied Mathematics (Fluid Mechanics)

## WORK EXPERIENCE

2012-2016: Assistant Lecturer, Chuka University

Jan. 2012-Nov. 2012: Part time Lecturer, Chuka University

May 2011-Aug. 2011: Part time Lecturer, Mt. Kenya University

2005-2012: TSC Teachers (St. Mary's Girls, Igoji)

## RECENT PUBLICATIONS

1. Mwarania Amendeo, Kirimi Jacob (2016). Macroscopic traffic flow model in line with Kerner Theory with consideration of driver aggressiveness. *International Journal of Engineering Innovation and Research* 5(1): 31 - 38.
2. Jacob Kirimi (2016): Modelling the volatility of maize prices using Autoregressive Integrated Moving Average Model: *Journal of mathematical Theory and Modeling*, 6:143-149.
3. Kinyanjui A. Muthondu, Jeconia O. Abonyo, Muondwe Samuel, Jacob Kirimi, C. Isaak (2015). Buoyancy Effects of Thermal and Mass diffusion on MHD Natural Convection Past a Finite Vertical, Porous Flat Plate; *International Journal of Pure and Applied Mathematics* 99(4):399-410.
4. M. O. Okongo, J. Kirimi, A.L. Murwayi and D.K. Muriithi, (2013). Mathematical Analysis of a Comprehensive HIV/AIDS Model: Treatment versus Vaccination, *Applied Mathematical Sciences*, 7(54):2687-2707.

## RESEARCH INTERESTS

Mathematical Modeling (Fluid Mechanics)



### **Martin Mule Mutie**

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Faculty of, Science Engineering and Technology

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### **EDUCATION**

Ph.D. in Physics (Radio Astronomy) Ongoing, Technical University of Kenya and South Africa

Master of Science in Nuclear and Radiation Physics, Kenyatta University

Bachelor of Education Science (Physics and Chemistry), Egerton University

Diploma in Management, KEMI - Kenya

### **FIELD OF SPECIALIZATION**

Physics (Nuclear and Radiation Physics)

### **WORK EXPERIENCE**

2015-2016: Lecturer department of Physical Sciences, Chuka University

Jan 2014-May 2014: Part-time Lecturer, Technical University of Mombasa

Sep 2014-Jan 2015: Part-time Lecturer, South Eastern Kenya University

Nov 2013-Dec 2013: Examiner, Kenya National Examination Council (K.C.S.E)

Sep 2012-Jan 2015: TSC Teacher and Deputy Principal, Makindu High School

Sep 2001 Sept 2012: TSC Teacher, Yumbuni Secondary School

Jan 2009-July 2009: Researcher, Institute of Nuclear Science-Radionuclide level analysis and heavy metal analysis

### **RECENT PUBLICATIONS**

Mutie M. M., Hashim N. O., Rathore I.V.S. (2014). Measurement of Radioactivity in Soil Samples in Selected areas of Kibwezi District, Kenya. *Elixir International Journal of Nuclear and Radiation Physics*. Vol. 76 PP 28275-28280

### **RESEARCH INTRESTS**

Radio-Astronomy data analysis

Nuclear and Radiation Physics measurements

Elemental analysis of environmental and geological samples



### **Edward Njagi Silas**

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## **EDUCATION**

Master of Science

B. Ed (Science)

## **FIELD OF SPECIALIZATION**

Chemist

## **WORK EXPERIENCE**

2013-Date: Lecturer

2010-2013: Assistant Lecturer

## **RECENT PUBLICATIONS**

1. Njagi, M.W. & Silas, E.N. (2016). Effects of use of mobile phones on learning activities and social life among university students in Kenya. *International J. Recent Research in Science, Engineering and Technology* 2(10):211-220.
2. Njagi, M.W. & Silas, E.N. (2015). Relevance of Kenya secondary school chemistry instruction in preparation of students pursuing Chemistry at university level. *International Journal for Innovation Education Research* 3(11):1-10.

## **RESEARCH INTERESTS**

Environmental conservation

Organic farming



### Dr. Silas Kiruki

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## EDUCATION

Ph.D., Egerton University

Master of Science, Egerton University

B.Sc., Kenyatta University

## FIELD OF SPECIALIZATION

Microbial Biochemistry, Medical Bacteriology, Molecular Physiology

## WORK EXPERIENCE

April, 2015-Present: Senior Lecturer and Biochemistry coordinator in Department of Physical Sciences, Chuka University

April, 2013-Dec 2014: Senior Lecturer and Field Attachment Coordinator in Department of Biochemistry and Molecular Biology, Egerton University

April, 2013-Dec 2014: Postgraduate committee representative in the Faculty of Science, Egerton University

2006-2013: Lecturer & Field Attachment Coordinator, Department of Biochemistry and Molecular Biology, Egerton University.

## KEY RESEARCH PROJECTS

2012-2015: Magnetic Field Intensities as an Alternative Water Purification Approach

Sept 2012-Present: Molecular Characterization of enter pathogenic Bacteria isolates from Food, water and environment and their Drug resistance levels.

Sept 2012-Present: Characterization of Xenobiotic Degrading Bacteria in soil and water in Western Kenya

## RECENT PUBLICATIONS

1. Othira J. O., J. O. Omolo, Kiruki S., L. A. Onek & F. N. Wachira (2013). Molecular Diversity of Arbuscular Mycorrhizal Fungi (AMF) in Lake Victoria Basin of Kenya. *Journal of Ecology & Natural Environment*. 6(4): 145-152.
2. Njeru S. Ngoci, Kiruki S., Limo M., Mbala M. J., Eliud N.M. N., P. O. Okemo & Lawless N. (2012). Antimicrobial resistance and plasmid profiles of *Aeromonas hydrophila* isolated from River Njoro, Kenya. *African Journal of Biotechnology*. 11 (96):16284-16290.
3. Kiruki S., Limo K. M., Njagi E. M. & P. O. Okemo (2011). Bacteriological quality and diarrhoeagenic pathogens on River Njoro and Nakuru Municipal

water, Kenya. *International Journal for Biotechnology and Molecular Biology Research*, 2(9): 150-162.

#### **POSTGRADUATE STUDENTS SUPERVISED**

<b>SN</b>	<b>Name</b>	<b>Thesis Title</b>	<b>Level</b>	<b>Date in</b>	<b>Status</b>
1	Thirika Mwende Anne	Magnetic Field Intensities as an Alternative Water Purification Approach	Msc	Sep. 2013 Egerton	Graduated 2016
2	Kainyu Rhoda Munene	Establishment of Reference Ranges for Biochemical parameters in Children in Meru county.	Msc	Sep. 2010 Kenyatta	Graduated 2016
3	Tabitha Kavuli Itotia	'Distribution and Diversity of Antibiotic Resistant Bacteria in Selected Agro - Industrial Polluted Rivers in Nakuru and Nzoia Counties'	Msc	Sep. 2013 Egerton	Finished Graduated 2016
4	Reuben Njue Mukundi	Molecular Characterization of Herbicide Degrading Bacteria in Sugar Plantation in Western Kenya	MSc	Sep. 2013 Egerton	Finished - Graduate 2017
5	Antony Kariuki Fundi	Synthesis, antibacterial and larvicidal activities of fluorinated hydroxytriazene derivatives bearing sulphonamide moiety and their Co (II) and Ni (II) Complexes	MSc	Sep. 2015 Chuka	Finished - Graduate 2017
6	Felicity Kaari Mwiandi	Characterization of Mineralogical composition and Chemical properties of Clay soils from selected Sites in Eastern and Western Kenya.	MSc	Sep. 2015 Chuka	Graduated 2016
7	George Lawrence Ogunda	Efficacy of the Kipevu Sewage Treatment Plant on Removal of Organic Matter and Coliforms in Mombasa County, Kenya.	MSc	September 2015 Chuka	Ongoing

#### **RESEARCH INTERESTS**

Microbial Biochemistry: Isolation, Characterization and /or Synthesis of Bioactive Compounds



### Bramuel Muyela

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## EDUCATION

Master of Science in Biochemistry

B.Sc. in Biochemistry

## FIELD OF SPECIALIZATION

Biochemistry

## WORK EXPERIENCE

2015-date: Assistant Lecturer

2012-2015: Part-time Lecturer

## RECENT PUBLICATIONS

1. Muyela, B., Shitandi, A., and Ngure, R. 2012. Determination of benzo(a)pyrene levels in smoked and oil fried *Lates niloticus*. International Food Research Journal 19(4):1595-1600
2. Lokuruka, M. N.I., Muyela, B., Okeyo, G.O., Shitandi, A. and Otieno, M. 2012. Effect of gutting on sensory, some biochemical and microbiological properties of *Lates niloticus* and *Oreochromis niloticus* stored in ice. Continental Journal of Fisheries and Aquatic Science 6(3):1-13
3. T.M. Mutia, M.Z. Virani, W.N. Moturi, B. Muyela, W.J. Mavura and J.O. Lalah. 2012. Copper, Lead and Cadmium concentrations in surface water, sediments and *C. caprio* samples from Lake Naivasha: Effect of recent anthropogenic activities. Environmental Earth Sciences 67(4):1121-1130
4. Lokuruka, M. N.I., Muyela, B., Okeyo, G.O. and Shitandi, A. 2013. Creating a grading scheme for fresh ice-stored white snapper and rabbit fish using quality indices. Egerton Journal of Science and Technology 13: 72-94.

## RESEARCH INTERESTS

Functional Genomics and Computational Biology



### Tuwei Abraham Kirwa

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## EDUCATION

PhD: Continuing, University of Sheffield, United Kingdom

Master of Science in Electronics and Instrumentation

B. Ed (Science)

## FIELD OF SPECIALIZATION

Electronics and Sensor Technology

## WORK EXPERIENCE

2014 to date: Assistant Lecturer

## KEY RESEARCH PROJECTS

2015 – Present: Improving limit of detection for fibre optic based chemical sensors using Lock - In Amplifier and novel electronics designs in collaboration with Organic Electronics and Spectroscopy Research group at University of Sheffield, Department of Physics and Astronomy, United Kingdom

## RECENT PUBLICATIONS

1. Tuwei, A.K., Williams, N.H., Mulla, M.Y., Di Natale, C., Paolesse, R. and Grell M. (2016) ‘Rough guide’ evanescent wave optrode for colorimetric metalloporphyrine sensors. *Talanta.* (In press). doi.org/10.1016/j.talanta.2016.11.057
2. Tuwei, A.K., Williams, N.H. and Grell M. (2016). Fibre optic absorbance meter with low limit of detection for waterborne cations, *Sensors and Actuators B.Chem.* 237. 1102-1107. doi.org/10.1016/j.snb.2016.05.065
3. Tuwei, A.K., Ketui, D.K. and Njogu, S. M. (2016). Effects of Annealing and Oxygen/Nitrogen Ratio on Transmittance of Copper Oxynitride Thin Films, *International Journal of Thin Films Science and Technology*, 5 (1), 51-54.
4. Tuwei, A.K., Karimi, P.M. and Njogu, S. M. (2013). Automation of Pressure and Temperature Measurement in Vacuum Deposition Systems, *International Journal of Current Research*, 5, (08), 2165-2168.

## RESEARCH INTERESTS

Research into Chemosensors for waterborne pollutants and novel approaches for embedding chemosensors on fibre optic for sensing applications



### **Dr. Joel Mwangi Gichumbi**

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## **EDUCATION**

PhD, University of KwaZulu Natal

Master of Science, Moi University

BSc, Moi University

## **FIELD OF SPECIALIZATION**

Inorganic Chemistry

## **WORK EXPERIENCE**

2012-date: Lecturer, Chuka University

2010-2012: Assistant Lecturer

## **KEY RESEARCH PROJECTS**

2011: Analysis of kaolin clays from selected areas as raw materials for ceramic and catalytic applications, Funded by Chuka University Internal Research Funds

2013: Bone charcoal, coconut husk charcoal and rice husk charcoal for application in sorption of heavy metals from aqueous solution. Funded by Chuka University Internal Research Funds

2014: Synthesis and characterization of half-sandwich Ruthenium/osmium N'N bidentate complexes and their catalytic and anticancer applications.

## **RECENT PUBLICATIONS**

1. Gichumbi, J. M.; Friedrich, H. B.; Omondi, B. 2016. Synthesis and characterization of piano-stool ruthenium complexes with N, N'-pyridine imine bidentate ligands and their application in styrene oxidation. *Journal of Organometallic Chemistry* 808:87-96
2. Gichumbi, J.M.; Friedrich, H. B.; Omondi, B. 2016. Application of arene ruthenium (II) complexes with pyridine-2-carboxaldimine ligands in the transfer hydrogenation of ketones. *Journal of Molecular Catalysis A: Chemical* 416:29-38.
3. Gichumbi, Joel M.; Friedrich, Holger B.; Omondi, Bernard. 2016. Solvato-polymorph of  $[(\eta^6\text{-C}_6\text{H}_6)\text{RuCl}(\text{L})]\text{PF}_6$  ( $\text{L} = 2, 6\text{-dimethyl-phenyl-pyridin-2-yl methylene amine}$ ). *Journal of Molecular Structure* 1113:55-59
4. JM Gichumbi, HB Friedrich, B Omondi Crystal structure of 3, 6-di-2-pyridinyl-4-pyridazine carbonitrile, C15H9N5. *Zeitschrift für Kristallographie*. May 2016.1-3.
5. J. M. Gichumbi, Holger B. Friedrich, Bernard Omondi. Synthesis and characterization of half-sandwich ruthenium (II) complexes with N-alkyl pyridyl-

- imine ligands and their application in transfer hydrogenation of ketones. Transition Metal Chemistry November 2016, 41(8): 867–877
6. Joel M. Gichumbi, H. B. Friedrich, Bernard Omondi, Moganavelli Singh, Kovashnee Naicker & Hafizah Y. Chenia. 2016. Synthesis, characterization, cytotoxic and antimicrobial activity of ruthenium (II) arene complexes with N,N'-bidentate ligands. Journal of Coordination Chemistry 69(23):3531-3544
  7. J. M. Gichumbi, H. B. Friedrich, B. Omondi. A study of new half-sandwich Osmium (II) complexes with bidentate N, N-chelating ligands and their use in the transfer hydrogenation of ketones. European Journal of Inorganic Chemistry, Accepted November 2016.
  8. J. M. Gichumbi H. B. Friedrich, Bernard Omondi Synthesis and characterization of some new half-sandwich ruthenium (II) complexes with bidentate N, N'-ligands and their application in alcohol oxidation.Inorg. Chim. Acta. Accepted November 2016.

#### **POSTGRADUATE STUDENT SUPERVISED**

SN	Name	Thesis Title	Date in	Status
1	Fidelis Ngugi	Adsorption of heavy metals and rhodamine b from municipality wastewater using mangrove ( <i>rhizophora mucronata</i> ) roots charcoal /multi - walled carbon nanotubes /cobalt ferrite nanocomposites.	2016	Continuing PhD student

#### **RESEARCH INTERESTS**

Inorganic Chemistry, Organometallic Chemistry, Bioinorganic Chemistry and Medicinal Inorganic Chemistry,  
Material Science, Environmental Chemistry, Crystallography and Nanotechnology

**Mr. William Ndeke**

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**EDUCATION**

PhD, Ongoing

Master of Science in Physics

B.Ed (Science) in Physics/Mathematics

**FIELD OF SPECIALIZATION**

Atomic and molecular physics

**WORK EXPERIENCE**

2014 to date: Assistant Lecturer

**KEY RESEARCH PROJECTS**

2011-2013: Positron impact excitation of  $2^1s$  state of helium atom using a distorted wave method

2015-ongoing: Elastic scattering calculations of positrons and electrons by neon and argon atoms at intermediate energies

**RECENT PUBLICATIONS**

Ndeke W.M, Okumu J. Singh C.S. 2014. Distorted Wave Method Calculation Of Positron Impact Excitation of  $2^1s$  State of Helium Atom. *Advances in Physics Theories and Applications*. 35:49-57.

**RESEARCH INTERESTS**

Particle physics



### **Antony Odek**

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### **EDUCATION**

PhD in Applied Geophysics, Ongoing

Master of Science in Physics

B.Ed. (Science) in Physics/Mathematics

### **FIELD OF SPECIALIZATION**

Electronics and Sensor Technology

### **WORK EXPERIENCE**

2014 to date: Assistant Lecturer

7 Years: Graduate Teacher of Physics/Mathematics (O-level)

### **KEY RESEARCH PROJECTS**

2015-2016: Geophysical investigation of mineralization of Migori Greenstone Belt, Kenya

2010-2012: Mapping geothermal heat source in Homa Hills using gravity technique

### **RECENT PUBLICATIONS**

1. Odek A., Githiri J.G.: *2-D Inversion of gravity data of Bugumbe-Nyabisawa area of Migori Greenstone Belt, Kenya.* Conference Proceedings, International Research Conference, Chuka, Kenya. October 26-28, 2016.
2. Odek. A., Otieno A.B., Ambusso W.J, and Githiri J.G. *2-D Euler deconvolution and forward modeling of gravity data for Homa hills geothermal prospect, Kenya.*
3. Adero, B.O., Odek, A., Ambusso, W.J., and Githiri J.G. *Geophysical structure of Homa-Hills geothermal field based on gravity and magnetic surveys.* Conference Proceedings, Kenya Geothermal Conference 2011, Kenyatta International Conference Centre, Nairobi, November 21-22, 2011.
4. Adero, B.O., Odek, A., Abuga, V. Githiri, J.G. and Ambusso, W.J. "2 D-Euler deconvolution and forward modeling of magnetic data of Homa Hills, Kenya" *International Journal of Science and Research (IJSR), ISSN: 2319-7064, 2014*

### **RESEARCH INTERESTS**

Application of geophysical techniques in-minerals geothermal fields; Engineering applications; Ground water



### Gladys Gakenia Njoroge

**Designation:** Assistant Lecturer /Coordinator Math Section

**Faculty:** Science, Engineering & Technology

**Department:** Physical Sciences

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## EDUCATION

PhD in Biostatistics, Ongoing

Master of Science in Mathematical Statistics

B.Ed. (Science) in Mathematics & Special Education

## FIELD OF SPECIALIZATION

Statistics

## WORK EXPERIENCE

2012 to date: Assistant Lecturer

## KEY RESEARCH PROJECTS

2015-2016: Optimization of a herbal formulation for Diabetes Mellitus treatment

## RECENT PUBLICATIONS

1. Njoroge, G. G., Koske, J. & Simbauni, J. A. (2016). A Screening Experiment on a Diabetes Mellitus Herbal Formulation. *American Journal of Theoretical and Applied Statistics*. 5(6): 387-394. doi: 10.11648/j.ajtas.20160506.18
2. Njoroge, G. G (2015). Estimation of Population Total Using Spline Functions. *American Journal of Theoretical and Applied Statistics*.
3. Njoroge, E.W., Njoroge G.G. & Muriithi, D.K. (2014). Evaluating secondary school examination results: Application of principal component analysis. *Journal of Statistical and Econometric Methods*, 3(2):31-46

## RESEARCH INTERESTS

Response Surface Methodology, Operation Research, Stochastic modelling



### Zipporah Wanjiku Muthui

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[zippora80@gmail.com](mailto:zippora80@gmail.com)

## EDUCATION

PhD, Ongoing in Condensed Matter Physics

Master of Science in Physics in Condensed Matter Physics

Bachelor of Science in Physics and Chemistry

## FIELD OF SPECIALIZATION

Condensed Matter Physics

## WORK EXPERIENCE

2012 to date: Assistant Lecturer

1995-2012: Senior Graduate Teacher, Teachers' Service Commission

## KEY RESEARCH PROJECTS

2014 to date: Structural, Magnetic and Electronic Properties of Heusler alloys of type Mn<sub>2</sub>VZ (Z = Al, In) for spintronic applications– PhD Project

2007-2010 Determination of the mechanical properties of biodegradable polymer PolyLactic Acid and comparison with those of Polyethelene – Msc Project

## RECENT PUBLICATIONS

1. C.A. Nyamwandha, Angeline Kasina, Zipporah W. Muthui, Emily Awuor, and Paul Baki. 2015. The role of academia and industry in nurturing women in physics in Kenya, AIP Conf. Proc. 1697, 060027
2. Muthui Z. W., Kamweru P. K., Nderitu F. G., Hussein S. A. G., Ngumbu R. and Njoroge G. N. 2015. PLA viscoelastic properties and their degradation compared with those of polyethylene. *International Journal of Physical Sciences*,
3. Njoroge G. N., Ndirtu F.G., Golicha S. A. Hussein, Kamweru P. K., Kagia J. K., Muthui Z.W. 2014. Reflectance, Transmittance and Absorptance of HDPE, LDPE, Glasss and Sand Layer used in a SAH. *International Journal of Applied Physics and Mathematics*, 4(6)
4. Muthui Z. W., Ndirtu F. G., Hussein S. A. Golicha., Kamweru P. K., Ngumbu R. 2014. Determination of the Glass Transition Temperature and modulus of PLA films using dynamic mechanical analysis at 50°C and amplitude of 10 micrometers. *Asian Journal of Natural and Applied Sciences*, 3(1)

5. F. G. Ndiritu, T. Kinyanjui, Z. W. Muthui, R. G. Ngumbu and P. M. Odhiambo. UV Absorption and dynamic mechanical analysis of polyethylene films by P. K. Kamweru, *International Journal of Physical Sciences*. 9(24)
6. Muthui Z. W., Nderitu F. G., Ngumbu R., Kamweru P. K. 2013. Determination of the density and damping properties of polyethylene (PE) and Polylactic acid (PLA) films using DMA. *International Journal of Innovative Research and Studies*.
7. P. K. Kamweru, F.G. Ndiritu, T.K. Kinyanjui, Z.W. Muthui, R.G. Ngumbu and P. M. Odhiambo. 2011. Study of humidity and UV wavelength effects on degradation of photoirradiated polyethylene films using DMA. *Journal of Macromolecular Science Part B*. 2(8):235-246. DOI 10.1080/00222348.2011.610214
8. P.K. Kamweru, F.G. Ndiritu, T.K. Kinyanjui, Z.W. Muthui, R.G. Ngumbu and P. M. Odhiambo. Study of temperature and UV wavelength range effects on degradation of photo irradiated polyethylene films using DMA. *Journal of Macromolecular Science Part B*.2010. DOI 10.1080/00222348.2010.516172

## **RESEARCH INTERESTS**

Electronic Structure, Magnetic Properties, Crystal structure



### **Samson Muriuki Njogu**

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## **EDUCATION**

Ph.D., registered, University of Nairobi

Master of Science in Physics, University of Nairobi

Bachelor of Science in Physics, University of Nairobi; PGDE, Kenyatta University

## **FIELD OF SPECIALIZATION**

Condensed matter physics: material science & engineering

## **WORK EXPERIENCE**

Lecturer, Chuka University

Assistant Lecturer, Chuka University

## **KEY RESEARCH PROJECTS**

2013-2014: Banach space ideals

2014 to date: GeDoped titanium dioxide for photocatalytic applications

## **RECENT PUBLICATIONS**

1. Njogu S M., Nyongesa F W and Aduda B O (2008) The effect of organic binders on the fracture properties of kaolin refractories, *Journal of Material Science*
2. Musundi S.W., Shem O.A., Ombaka C.O., Njogu S.M., F M. Muthengi, Mugambi D. (2013). Conjecture of banach space operator ideals in nuclear spaces, *Journal of Applied Science and Mathematics*.
3. Tuwei A K, Karimi P M and Njogu S M (2013). Automation of pressure and temperature measurements in vacuum deposition systems, *I. J. Current Research*
4. Musundi S.W., Shem O.A., Ombaka C.O., Njogu S.M., F.M. Muthengi, Mugambi, D. (2015). Application of banach space ideal properties in image transmission over wireless network, *Journal of Applied Science and Mathematics*
5. L.K. Gitonga, Njogu S.M. (2014). Evaluation of midwives' and nurses' continuing professional development in reducing maternal and neonatal mortality in Embu County, Kenya, *Open Journal of Obstetrics and Gynecology*, 4(6)
6. Nguu J N, Aduda B. O, Njogu S M (2015). Electrical characterization of nano composite thin films deposited using EPD., *IJIRAE*, 2: 2349 –

## **RESEARCH INTERESTS**

Thin films, polymers, ceramics & biomaterials



### Geoffrey Kiprono Langat

**Designation:** Senior Technologist

**Faculty:** Science, Engineering & Technology

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## EDUCATION

B.Sc. in Biochemistry, Egerton University (2009-2013)

Diploma in Applied Biology, Eldoret Polytechnic (2006-2008)

## FIELD OF SPECIALIZATION

Biochemistry and molecular biology

## WORK EXPERIENCE

2016-date September: Senior Technologist at Chuka University

2014-2015 Jan-Dec: Research Assistant at CMRT Egerton University

2013-2013 June-Dec: Technical Assistant at Bidco feeds Nakuru

May-August 2012: Intern at Rift Valley Regional Veterinary Investigative Lab Nakuru

August-Dec 2007-Intern at Egerton University Biological Science Laboratories

## KEY RESEARCH PROJECTS

Jan 2014-Dec 2015: Phytopathogens project, Egerton University

2008: Isolation and identification of citrus greening pathogen. A project submitted to KNEC for the award of diploma in analytical chemistry.

Proteomics, Molecular biology and PCR applications

## RESEARCH INTERESTS

Participating in tree planting activities

Participating in sensitization on aflatoxin control and management within Njoro area

**Samuel Muraya Wanjiku**

**Designation:** Snr Technologist

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**EDUCATION**

Higher National Diploma in Analytical chemistry

Diploma-Analytical chemistry

**FIELD OF SPECIALIZATION**

Technologist-Chemistry

**WORK EXPERIENCE**

2014-current: Senior Technologist, Chukka University

2012-2014: Technologist, Laikipia University

2011-2012: Technologist, Egerton University

**KEY RESEARCH PROJECTS**

Chemistry of natural products

**Shem K. Nyaega**

**Designation:** Senior Technologist

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**Department:** Physical Sciences

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**EDUCATION**

Analytical Chemistry

**FIELD OF SPECIALIZATION**

Analytical chemistry

**WORK EXPERIENCE**

2014 to date: Senior Technologist chemistry (Chuka University)

2009-2014: Lab technologist (Ministry of Livestock)

**RESEARCH INTERESTS**

Chemistry of aspirine, acetaminophen and ibuprofen



### **Chrisphine Odhiambo Lugonzo**

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**Faculty:** Science, Engineering & Technology

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### **EDUCATION**

B.Sc. in Analytical Chemistry (Ongoing)

Diploma in Analytical chemistry (TUK),

### **FIELD OF SPECIALIZATION**

Analytical chemist

### **WORK EXPERIENCE**

2014-date: September Technologist at Chuka University

2013-2014: June-August Laboratory analyst at AgriQ Quest laboratory ltd

2013-2013 January-May: Technical assistant at ChromAfrica instrumentation centre

May-December 2012: Intern at International Centre for Research in Agroforestry (ICRAF) Soil Plant Spectroscopic Laboratory

### **KEY RESEARCH PROJECTS**

2013-2014 June-August: Screening and determination of organochlorine and organo phosphorus pesticides in fresh produce using GC-MS and LC-MS techniques at AgriQ Quest laboratories

May-December 2012: Application of infrared spectroscopy tool in enabling evidence based diagnostic surveillance approach to agricultural and environmental management at ICRAF laboratories

2011: Determination of quality variations of sifted brands of maize flours market in Kenya. A project submitted to KNEC for the award of diploma in analytical chemistry

### **RESEARCH INTERESTS**

Application of mass spectrometry coupled analytical techniques for environmental monitoring and safety assessment for food and pharmaceutical products

**Erick Lihanda Siali**

**Designation:** Technologist

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**Department:** Physical Sciences

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**EDUCATION**

Higher national diploma in analytical chemistry from Eldoret polytechnic (2008-2010)

Diploma in Analytical chemistry from Eldoret polytechnic (2005-2008)

**FIELD OF SPECIALIZATION**

Analytical chemist

**WORK EXPERIENCE**

March 2016 to date: Technologist, Chuka University

Jan 2015-March 2016: Technologist, Karatina University

September 2013-Dec 2014: Technologist, Kenyatta university-Kitui Campus

May 2009-Sept 2013: Technologist at KIAS

Sept 2006-Dec 2006: Attachee at Nairobi University, Chiromo Campus

**Stanislaus Mutunga**

**Designation:** Technologist

**Faculty:** Science, Engineering & Technology

**Department:** Physical Sciences

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**EDUCATION**

Technology in Technical & Applied Physics

**FIELD OF SPECIALIZATION**

Applied Physics

**RESEARCH INTRESTS**

Robotics

**Juliet Mwelu Makau**

**Designation:** Senior Laboratory Technologist

**Faculty:** Science, Engineering & Technology

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**EDUCATION**

B.Sc. in Applied Analytical Chemistry, Kenya Polytechnic University College  
Diploma and, Higher Diploma in Applied Analytical Chemistry, Kenya Polytechnic

**FIELD OF SPECIALIZATION**

Technologist

**WORK EXPERIENCE**

2013-date: Senior Laboratory Technologist, Chuka University

2007-2012: Laboratory Technologist, Mines and Geology Department

2005-2006: Laboratory Assistant KIRDI

**KEY RESEARCH PROJECTS**

2012: Determination of levels of fluorides in toothpaste brands found in Nairobi south region market

2010: Chemical assay of gypsum found in Kitui district using classical and instrumental techniques

**RESEARCH INTERESTS**

Environmental chemical pollutants

**Antony Gitonga**

**Designation:** Technologist

**Faculty:** Science, Engineering & Technology

**Department:** Physical Sciences

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**EDUCATION**

Electrical & Electronics

**FIELD OF SPECIALIZATION**

Electrical (power option)

**WORK EXPERIENCE**

2015 to date: technologist

2010 to 2015: Senior Clerk

**RESEARCH INTERESTS**

Electromagnetism



### **David Gitonga Mwathi**

**Designation:** Lecturer COD, Computer Science

**Faculty:** Science, Engineering & Technology

**Department:** Computer Science and ICT

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## **EDUCATION**

Master of Sciences in IT Systems Security and Audit option

B.Sc. in Computer Science and Engineering

## **FIELD OF SPECIALIZATION**

Lecturer in Computer Science

## **WORK EXPERIENCE**

2013-Present: Chairman of department of Computer Science and ICT

2012-Present: Lecturer, Computer Science and ICT

2009-2012: Assistant Lecturer, Computer Science

## **RECENT PUBLICATIONS**

1. D. G.Mwathi, William, O.O., Elisha, O. 2016. Selection of EAP authentication method for use in a public WLAN: Implementation Environment Based Approach. *International Research Journal of Computer Science*. 3(5)47-52.
2. D.G.Mwathi, William, O.O., Elisha, O. 2016. Algorithm for selection of EAP authentication method for use in a public WLAN. *Journal of Emerging Trends in Computing and Information Sciences*. 7(6)311-316.
3. Osero, B., David, G. M. 2014. Implementing Security on virtualized network storage environment. *International Journal of Education and Research*. 2(4)1-10
4. Nathan, M., David, G. 2013. School ICT Policy, a Factor Influencing Implementation of Computer Studies Curriculum in Secondary Schools. *Journal of Education and Practice*. 4(28)197-202
5. D., G. Mwathi, Wiliam, O. O., Elisha, O. 2014. Wireless LAN (WLAN) hacking tools in developing countries.In: O. O.William, O. O. Opiyo & E. M. Ayienga (Eds.), *Trends in distributed computing applications: Real life ongoing research work* (pp. 125-136). ISBN 978-9966-074-13-3

## **RESEARCH INTERESTS**

Computer Networks Security

Networks and Distributed Computing

Database Systems and Data Mining technologies

Human Computer interfaces design and evaluation



### **Kevin Otieno Gogo**

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## **EDUCATION**

Master of Science in Computer Science

B.Sc in Computer Science

## **FIELD OF SPECIALIZATION**

Smart computing, Software Engineering, Networking, and e-learning

## **WORK EXPERIENCE**

2015-date: Assistant lecturer in Computer Science

2013-2015: County ICT Manager / Head of ICT, Tharaka-Nithi County Government

2008-2013: HOD, ICT and Systems Admin., Kenya School of Government, Baringo

## **KEY RESEARCH PROJECTS**

2016 to date: Smart classroom content delivery for ubiquitous devices

2009: Mobile agent based system for listing fundamental Wi-Fi peer-to-peer network

## **RECENT PUBLICATIONS**

1. Gogo, K., and Kiruki, J., (2016), Trends in measuring and preventing software security weaknesses , *IJARCSSE*, 6( 6): 9-14
2. Gogo, K., and Sigar, K., (2016), Kenyan “Nyumba Kumi” Neighbourhood Information System using Artificial Intelligence, *International Journal of computer applications*, 144(12):7-12
3. Gogo, K., and Opiyo, T. E., (2015), Smart classroom content delivery for pervasive devices, using context awareness and Wi-Fi networks, *Creating futures through research: Meeting challenges, embracing opportunities & delivering impact, Inaugural Collaborative Research Conference by University of Sunderland, UK and INtel College*, held on 6-7<sup>th</sup> Nov 2015, available at <http://sure.sunderland.ac.uk/6126/>
4. Gogo, K., and Gitonga, D., M. (2015), Smart e-learning environment, using wireless peer to peer networks and smart blackboard approach, *Faculty of Education and Community Development Studies Conference Proceedings, Egerton University on 3<sup>rd</sup> Dec 2015*, available at <http://ir-library.egerton.ac.ke/jspui/handle/123456789/471>
5. Gogo, K. and Opiyo, T.E. (2015), Mobile agent based system for listing fundamental Wi-Fi peer-to-peer network details, *International Journal of Computer Applications*, 114(5):44-50.



### **Benard Ong'era Osero**

**Designation:** Lecturer and Internship Co-ordinator

**Faculty:** Science, Engineering & Technology

**Department:** Computer Science and ICT

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## **EDUCATION**

Ph.D. in Computer Science (Ongoing), University of Nairobi

MSc. in Computer Science, University of Nairobi

B.Sc. in Computer Science, Kampala International University

## **FIELD OF SPECIALIZATION**

Computer science: specializing in distributed systems storage and multi-agent systems

## **WORK EXPERIENCE**

June 2016-present: Lecturer

Jan 2013-June 2016: Assistant lecturer

## **KEY RESEARCH PROJECTS**

2016-Present: Ongoing Ph.D. Thesis: Agent based Storage Virtualization and Management: Using Map-reduce programming model.

## **RECENT PUBLICATIONS**

1. B. Osero. 2013. Network storage virtualisation and management, *International Journal of Education and Research*, 1(12):
2. Gogo, K., and Sigar, K. 2016. Kenyan “Nyumba Kumi” Neighbourhood Information System using Artificial Intelligence, *International Journal of Computer Applications*, 144(12): 7-12
3. B.Osero, Kevin Tuei, 2015. Application of Open Source Tools and Cloud Computing Technologies in Real-time Data Collection and Analysis, *International Journal of Education and Research*, 3(6).
4. B. Osero, D.G. Mwathi, 2014. Implementing Security on virtualized network storage environment, *International Journal of Education and Research*, 2(4).
5. B. Osero “A Survey on agent based online secure disks using NASD model approach”, In: Proceedings of the Chuka University 2<sup>nd</sup> International Research Conference, held on 28<sup>th</sup> to 30<sup>th</sup> October, 2015.

## **RESEARCH INTERESTS**

Distributed systems storage management, cloud computing, internet of things (iot) and multi-agent systems.



### **Fredrick Mugambi Muthengi**

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### **EDUCATION**

Master of Sciences in Computer Science

B.Sc Computer Science

### **FIELD OF SPECIALIZATION**

Computer Science

### **WORK EXPERIENCE**

Assistant Lecturer

Business Intelligence Analyst

### **KEY RESEARCH PROJECTS**

Banach space operator ideals in nuclear spaces

BRIGID Road Model Editor

### **RECENT PUBLICATIONS**

1. Smart E-learning content delivery system for ubiquitous devices, using Wi-Fi networks and smart board approach. *International J. Computer Science* 4(9).
2. Adoption of Near Field Communication in Universities in Kenya. *Journal of Emerging Trends in Computing and Information Sciences*, 6(9).
3. Human Coordination Factors in Software Development. *International Journal of Education and Research*, 2(5).
4. Application of Banach Space Ideal Properties in Image Transmission over Wireless Network. *Journal of Emerging Trends in Computing and Information Sciences*, 5(3).

### **RESEARCH INTERESTS**

Human Factors in software development processes; Context-sensitive software systems evaluations



### Charles Kinyua Gitonga

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## EDUCATION

Master of Science in Computer Science, University of Hull, UK

B.Sc in Computer Science, Maseno University, Kenya

## FIELD OF SPECIALIZATION

Computer Science: Programming, Software development, Machine Learning, Internet of things, Computer Networking, Design and analysis of Algorithms

Lecturer of Computer Science, Chuka University

## WORK EXPERIENCE

2010-2012: Senior Technologist, Department of Computer Science

2013-2016: Assistant Lecturer, Department of Computer Science

2016-Date: Lecturer, Department of Computer Science

## RECENT PUBLICATIONS

1. Charles K. Gitonga, Application of Management Information System in Marketing University Degree Programs, A case study of Kenyan Universities. *International Research Journal of Computer Science*
2. Wabomba, M. S., Ochieng, O. C., Muriuki, N. S., Muthengi, F. M., Mugambi, D., & Gitonga, C. K. (2014). Application of Banach Space Ideal Properties in Image Transmission over Wireless Network: Network. *Journal of Emerging Trends in Computing and Information Sciences*, 5(3)
3. Charles K. Gitonga, Prims Algorithm and its Application in the Design of University LAN Networks, *International Journal of Advance Research in Computer Science and Management Studies*.
4. Charles K. Gitonga, Clock synchronization in distributed distant object, *International Journal of Advance Research in Computer Science and Management Studies*

## RESEARCH INTERESTS

Machine Learning, Quantum computing, Big Data analysis



### **Anthony Mbugua Ngereki**

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tongere2002@yahoo.com

## **EDUCATION**

Master of Science, Distributed Computing and Technology

B.Sc. in Computer Science

## **FIELD OF SPECIALIZATION**

Distributed Systems, Artificial Intelligence, Systems Analysis and Integration, Network Security, Agents and Multi-Agent Systems

## **WORK EXPERIENCE**

2016-Date: Assistant Lecturer, Chuka University

2009-2015: Senior Computer Technologist, Chuka University

Feb 2009-June 2009: Systems Engineer, Compulynx LTD, Nairobi, Kenya

## **KEY RESEARCH PROJECTS**

2015 Security of mobile agents in a distributed network

## **RECENT PUBLICATIONS**

Ngereki, A.M. & Kahonge., A.M. 2015. A Multi-Faceted Approach to Mobile Agent Security. *International Journal of Computer Applications* 120(21):20-26.

## **RESEARCH INTERESTS**

Mobile Applications

Integration of legacy systems

Big Data analytics

Distributed Systems Security

Agent and Multi-Agent Systems



### **Emily Gakii Murerwa**

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## **EDUCATION**

Master of Science in Computer Science

B.Sc. in Computer Science and Engineering

## **FIELD OF SPECIALIZATION**

Computational intelligence, web development, data mining

## **WORK EXPERIENCE**

2013-Date: Assistant Lecturer, Chuka University

2012-2013: Part-time Lecturer, Dedan Kimathi University of Science and Technology & Middlesex University UK (Computer Pride Nairobi Center)

2008-2012: ICT Specialist, United Nations Development Program/United Nations Volunteers (UNDP/UNV)

2006-2008: Systems Engineer, Network Source Limited

## **KEY RESEARCH PROJECTS**

2012-Knowledge management in institutions; a prototype

2016-Gerontechnology: remote patient monitoring

2016-Digital technology use in training

2017-Intellectual property rights awareness in software development (ongoing)

2017-Role of software development practices in cyber security (ongoing)

## **RECENT PUBLICATIONS**

NIL

## **RESEARCH INTERESTS**

Computational intelligence

Knowledge management

Ict for development

Distributed systems

Data mining



### **Kenneth Otula Sigar**

**Designation:** Assistant Lecturer

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## **EDUCATION**

Master of Science, Computer Science & information Technology (2007)

B.Sc. in Computer Science

Digital forensics courses

## **FIELD OF SPECIALIZATION**

Lecturer of distributed Systems, programming languages, digital forensics and computer security

## **WORK EXPERIENCE**

2010-2014: Lecturer, Kabarak University

2015-date: Lecturer, Chuka University

## **KEY RESEARCH PROJECTS**

2007: Defect manager app in systems development

## **RECENT PUBLICATIONS**

1. K O. Gogo., K O. Sigar., Kenyan “Nyumba Kumi” Neighborhood Information System using Artificial Intelligence. International Journal of Computer Applications (0975 – 8887) 144(12), June 2016
2. KO Sigar., OK Jared., A critical look of USSD Technology Adoption and Benefits; International Journal of Advanced Research in Computer Science 2014
3. Victor R Kebande, Kenneth O Sigar, George Y Odongo. Meta-Modeling Cloud Computing Architecture in Distance Learning 2013
4. KO Sigar., Assessing Opportunities Of software Reuse for Companies, International Journal of Advanced Research in Computer Science, 2013

## **RESEARCH INTERESTS**

Cloud forensics, distributed systems, cloud computing and object oriented programming

**Dennis Bundi Rugendo**

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**EDUCATION**

B.Sc. in Computer Science

M.Sc. in Data Communication & Networking (ongoing)

**WORK EXPERIENCE**

Computer Science Senior Technologist

**Victor Mwenda Njebiu**

**Designation:** Senior Technologist

**Faculty:** Science, Engineering & Technology

**Department:** Computer Science / ICT

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**EDUCATION**

B.Sc. in Computer Science

**WORK EXPERIENCE**

2013-Date: Senior Technologist, Chuka University

2011-2012: Web Developer, SCG Africa Ltd

**RECENT SELECTED PUBLICATIONS**

Muthengi, F.M. & Jebiu, V.M. 2015. Adoption of NFC in public universities in Kenya, *Journal of Emerging Trends in Computing and Information Sciences*, 510-514

**RESEARCH INTERESTS**

Emerging Technologies in ICT, Mobile Payments, Software Engineering

**Jane Kinanu Kiruki**

**Designation:** Senior Technologist

**Faculty:** Science, Engineering & Technology

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**EDUCATION**

MSc. in Data Communication

B.Sc. in Software Engineering

PGDE, CCNA1

**FIELD OF SPECIALIZATION**

Technologist: NETWORKS

**WORK EXPERIENCE**

2012-Date: Senior Technologist

**KEY RESEARCH PROJECTS AND PUBLICATIONS**

2016-A proactive approach in network forensic investigation process: International J. Computer Applications and Research, 5(5):304-311, 2016, ISSN: 2319-8656

2016-A review of intrusion alerts correlation framework: International Journal of Computer Applications and Research, 5(4):226-233, 2016, ISSN: 2319-8656

2015-MSc thesis: A network forensic investigation framework for evidence collection and preservation.

**RESEARCH INTERESTS**

Networks

**Rose N. Muchemi**

**Designation:** ICT Officer

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**Department:** Computer Science / ICT

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**EDUCATION**

Bachelor of Science in Computer Information System

Diploma in Information Technology

**WORK EXPERIENCE**

2016-Date: ICT Officer, Chuka University

2015: Computer Technician

2012: Computer Attendant

**COMMUNITY SERVICE**

Provide technical support in church

**Sheila Apiyo Codawa**

Designation: Computer Technician

Faculty: Science, Engineering & Technology

Department: Computer Science / ICT

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**EDUCATION**

Bachelor of Science in Information Technology

Diploma in I.T, C.C.N.A

**WORK EXPERIENCE**

1 Year, 6 Months: Computer Technician

2 Years, 6 Months: Computer Attendant

**COMMUNITY SERVICE**

Provide technical support in church



### **Dr. Lucy Kawira Gitonga**

**Designation:** Senior Lecturer, COD, Nursing

**Faculty:** Science, Engineering & Technology

**Department:** Nursing

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## **EDUCATION**

PhD. in Nursing Sciences (Midwifery and Nursing Education)

Master of Science in Nursing Sciences (Midwifery)

Bachelor of Science in Nursing

Higher Diploma in Health Systems Management/Certificate in Strategic Management

## **FIELD OF SPECIALIZATION**

Nursing (Midwifery and Nursing Education)/Women's Health

## **WORK EXPERIENCE**

2002-2006: College of Nursing (Chogoria) Departmental Head.

2006-2009: Director of Nursing, Meru Hospital

2009-2012: Asst Chief Nurse, National Reproductive Health Coordinator, MOH HQS

2012-date: Chairman of Department of Nursing, Chuka University

## **KEY RESEARCH PROJECTS**

2010-2011: Abuse and disrespect of women in maternity units in Kenya

2013-2014: Impact of continuing professional development on EmONC in reducing maternal and neonatal mortalities in Kenya

## **RECENT PUBLICATIONS**

1. Gitonga, L. (2016) Essential Maternal and Newborn Care Skills Training for Midwives: Their Impact on Reducing Maternal and Neonatal Mortalities in Kenya. *Open Journal of Obstetrics and Gynecology*, 6, 73-84
2. Gitonga, L.K. and Muriuki, N.S. (2014) Evaluation of midwives' and nurses' continuing professional development in reducing maternal and neonatal mortality in Embu county, Kenya. *Open Journal of Obstetrics and Gynecology* 4:249-259
3. Gitonga, L. and Muriuki, N.S. (2014) Perspectives of continuing professional development for Kenyan midwives. *Open J. Clinical Diagnostics*, 4:89-100
4. Lucy Kawira Gitonga. 2016. Assessment, Training and Evaluation of Emergency Obstetric and Neonatal Care Competences for Midwives in Tharaka-Nithi and Embu Counties, Kenya. *American Journal of Nursing Science* 5(4): 158-161
5. National Guidelines for Quality Obstetrics and Perinatal Care (Book)-2010 Community Midwifery Services in Kenya Implementation Guidelines-2012



### Stephen M'Kiunga Kainga

**Designation:** Lecturer,

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**Department:** Nursing

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## EDUCATION

Master of Science in Nursing Sciences (Midwifery)

Bachelor of Science

## FIELD OF SPECIALIZATION

Lecturer, Medical and Surgical Nursing

## WORK EXPERIENCE

Lecturer at Chuka University

## KEY RESEARCH PROJECTS

2012 Type2 Diabetes Mellitus: Barriers to prevention of long-term complications

## RECENT PUBLICATIONS

1. Samuel Kimani, Stephen Kainga M. Wagoro. 2012. Risk factors for cardiovascular disease in patients with type 2 diabetes at Kenyatta national hospital, Kenya." *Journal of Cardiovascular Nursing*. 27(5):369-378.
2. Anna, K. Karani; Stephen, Kainga; Simon, Kangethe; Diana. 2012. Perception of Bachelor of Science in Nursing (BSCN) students on their role in nursing in a hospital setting. *Kenya Nursing Journal*
3. Stephen Kainga, Margaret Chege Miriam Wagoro. "Peripheral Neuropathy among Patients with Type 2 Diabetes mellitus attending Kenyatta National Hospital." In: *2nd East Africa Neuroscience Conference*. Nairobi; 2012

## RESEARCH INTERESTS

Non communicable diseases (Diabetes mellitus, hypertension)



### **Joshua Kabugi Mwangi**

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**Department:** Nursing

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### **EDUCATION**

Master of Science in Public Health

Bachelor of Science in Nursing

### **FIELD OF SPECIALIZATION**

Public Health Specialist

### **WORK EXPERIENCE**

Provincial Public Health Nursing Officer

Lecturer, Chuka University

### **KEY RESEARCH PROJECTS**

Perceptions and use of herbal remedies among diabetics in Murang'a County

### **RECENT PUBLICATIONS**

Mwangi, J.K.and Gitonga, L.K. 2004. Perceptions and use of herbal remedies among patients with diabetes mellitus in Murang'a North District, Kenya. Open Journal of Clinical Diagnostics. <http://www.scirP.Org/journal/ojcd>

### **RESEARCH INTERESTS**

Health research in the field of epidemiology



### Rankesh Mutisya Willy

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**Department:** Nursing

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## EDUCATION

Master of Science in Nursing

Master of Science in Organizational Development

Bachelor of Science in Nursing

## FIELD OF SPECIALIZATION

Nursing

## WORK EXPERIENCE

Lecturer

## RECENT PUBLICATIONS

1. Vindigni, S.M., Riley, P.L., Kimani, F., Willy, R., Warutere, P., Sabatier, J.F., Kiriinya, R., Friedman, M., Osumba, M., Waudo, A., Rakuom, C. & Rogers, M. 2014. Kenya's emergency-hire nursing programme: a pilot evaluation of health service delivery in two districts. *Human Resources for Health*, 12:16. Available at <http://www.human-resources-health.com/content/12/1/16>
2. Waters, P.K., Zuber, A., Willy, R.M., Kiriinya, R.N., Waudo, A.N., Oluoch, T., Kimani, F.M., & Riley, P.L. 2013. Kenya's Health Workforce Information System: A model of impact on strategic human resources policy, planning and management. *International Journal of Medical Informatics* (available at <http://www.ijmijournal.com/article/S1386-5056%2813%2900132-9/abstract>)
3. Gross, J.M., Riley, P.L., Kiriinya, R., Rakuom, C., Willy, R., Kamenju, A., Oywer, E., Wambua, D., Wauodo, A. & Rogers, M.F. 2010. The impact of an emergency hiring plan on the shortage and distribution of nurses in Kenya: the importance of information systems. *Bulletin of World Health Organization*, 88(11):824-830

## RESEARCH INTERESTS

Mental health and psychiatric care, Human resources for health, Nursing management and scholarship

**Domisiano Koome Impwii**

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**EDUCATION**

Master of Science in Nursing

Bachelor of Science in Nursing

**FIELD OF SPECIALIZATION**

Lecturer of Nursing Administration and Development

**WORK EXPERIENCE**

2014-2017: Lecturer and Coordinator of Clinical Placements

**RESEARCH INTERESTS**

Reproductive Health



**Dorothy Muthoni Mbaya,**

**Designation:** Tutorial Fellow

**Faculty:** Science, Engineering & Technology

**Department:** Nursing

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## **EDUCATION**

Master of Science in Pediatric and Child Health Nursing

Bachelor of Science in Nursing

## **FIELD OF SPECIALIZATION**

Pediatric and Child Health Nursing

## **WORK EXPERIENCE**

Tutorial Fellow, Chuka University

## **KEY RESEARCH PROJECTS**

2015 Outcomes of Severely Malnourished Children Aged 6-59 Months on Outpatient Management Program in Kitui County Hospital, Kenya

## **RECENT PUBLICATIONS**

Mbaya, D., Bitok, L.K., Karani, A.K., Osano, B. and Habtu, M. (2015). Outcomes of Severely Malnourished Children Aged 6-59 Months on Outpatient Management Program in Kitui County Hospital, Kenya. Open Journal of Pediatrics, 5, 326-333

## **RESEARCH INTERESTS**

Pediatrics Nutrition (malnutrition)

**Eric Livaha Indiazi**

**Designation:** Senior Technologist

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**Department:** Nursing

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**EDUCATION**

Diploma in Medical Laboratory Sciences

HND in Medical biotechnology

**FIELD OF SPECIALIZATION**

Medical Sciences

**WORK EXPERIENCE**

2015-date: Technologist, Chuka University

2010-2015: KEMRI/USA Army Medical Research Unit

2007-2010: KEMRI/Welcome Trust

2003-2007: KEMRI/CDC

**RESEARCH INTERESTS**

Molecular microbiology with focuses on the mechanisms and molecular epidemiology; Epidemiology; burden of disease indicators; zoonotic diseases (focus Egg-schistosomes).

**Kiraki Monicah**

**Designation:** Technologist

**Faculty:** Science, Engineering & Technology

**Department:** Nursing

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**EDUCATION**

Bachelor of Science in Nursing

**FIELD OF SPECIALIZATION**

Technologist.

**WORK EXPERIENCE**

Nurse Tutor

Skills Lab Nurse

**RESEARCH INTERESTS**

Maternal and Child Health

Community Health



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