

## CURRICULUM VITAE.

Prof. JACOB WANAMBACHA. WAKHUNGU, PhD, MKNAS,

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School of Adriculture Veteribary Sciences and Technology  
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Summa  
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To date

Wakhungu is Kenyan citizen born in 1957. He is currently an elected Dean of School of Agriculture Veterinary Sciences and Technology at MMUST. He holds a BSc (Hons) in Agriculture from the University of Nairobi, Kenya; Post-Graduate Diploma (Animal Breeding) from University of Edinburgh, UK; MSc and PhD degrees in Animal Production (Animal Genetics and Breeding option) from the University of Nairobi, Kenya. Currently, he is Associate Professor (Animal Production) at Department of Agriculture Land Use and Management of SAVET at MMUST since Octoberr, 2018. He became Dean of the CDMHA for the period 2014-2016.. after joining MMUST as associate Professor in CDMHA in November 2008, Has excellent skills in computer packages, Applied statistics, modeling & simulation and Research Methods.

He was previously working at University of Nairobi as a senior lecturer specialized in research and development in Animal Science .while at the same time he was Head of Animal Genetics and Breeding Section in the Department of Animal Production for 10 years at University of Nairobi.

Before joining the Unversity of Nairobi as lecturer, he was Research Officer at Kenya Agricultural Research Institute (KARI) (1981-1988) where he rose through ranks to position of the Head of the National Sahiwal Stud at KARI Naivasha in the period 1984-1988. He has been involved in various aspects of Animal Agricultural Research and Development linked to livestock sub sector in Kenya and Eastern Africa Region. In addition, he was consultant

geneticist to Animal Embryo-Transfer Biotechnology Secretariat of the Kenya Dairy Sub-Sector; and to World Vision (NGO), Kenya on Food Security and Livelihoods.

Currently, he is a recognized *Member of The Kenya National Academy of Sciences (Member No. 122)*. He received *Honorary Membership to Research Board of Advisors of the American Biographical Institute*. This was as the consequence of having been recognized and awarded distinguished designation of “*MAN OF ACHIEVEMENT IN 2005*” from the same institute. He is also a recently recognized African Lead Champion for change in Leadership for Agricultural Transformation.

In his career as university Don, has supervised to completion over 60 Master of Science and Doctorate degree candidates. He has authored and/or co-authored over 80 peer reviewed research papers published in scientific journals (Check Goggle Scholar and Research Gate Academia Visibility). Has completed and sent book manuscripts to Lambert Publishing Co. in Germany where one book is already published and two manuscripts are being reviewed. This culminated in him being crowned as “*The 3<sup>rd</sup> Best Top Senior Researcher at MMUST in 2015*”.

Currently, he is an External Examiner in Animal Breeding and Genetics at Departments of Animal Science of Egerton University ; University of Nairobi and Sokoine University, Tanzania. Has mentored over 7 students in MMUST to win Competitive grants from National Council for Science & Technology (currently NACOSTI) / KARI/ NACADA, and 12 students at University of Nairobi to get Competitive grants from DAAD & IFAD, GTZ, ASARECA, and ARF/KARI during respective tenures at the two universities.

Some of the collaborative projects/ programmes he is involved in include:

- Current Chairman of Agricultural Sector Development Support Programme, Kakamega county, Kenya

- Current Chairman of Agricultural Sector Task force for livestock development strategic planning, Bungoma County, Kenya
- Productivity modeling of livestock and Wildlife in the Semi-Arid Rangelands of Kenya: Case study of Laikipia district ranches. Funded by ARF-KARI. Principal Co-investigator - Completed.
- Evaluation of livestock breeding policy in Kenya. Principal Co-investigator. Funded by ARF-KARI, - . Completed
- Survival of European dairy cattle and their crossbreds with Zebu cattle on Kenyan smallholdings. Funded by ARF –KARI. Principal Investigator – Completed.
- Characterization of indigenous cattle in Kenya, Ethiopia, Uganda and Rwanda : Funded by ASARECA. Completed.
- State of Animal genetic resources in Kenya. Funded by FAO. Principal correspondent.

Responsibilities- Senior Lecturer, research, development, co-ordination and control of professional activities relating to Animal Genetics and Breeding/Livestock Production Systems Analyses (Modeling and Simulation), Ecology and Biostatistics in the Faculty of Veterinary Medicine, University of Nairobi.

Responsibilities:- A lecturer at University of Nairobi and was dedicated to maintaining high quality standards. Handled lectures and laboratory classes on Animal Genetics/Breeding and livestock Production Systems Analyses as well as Statistics Applied to Animal Sciences in the Department of Animal Production.

Responsibilities:-On promotion to Senior Research Scientist was designated Head of The Kenya National Sahiwal Stud and livestock breeds, breeding systems/policy located in National Animal Husbandry Research Centre currently Kenya Agricultural Research Institute(KARI-Naivasha). Contributed to the planning and reporting of research outputs of the genetics/breeding thematic areas at the centre. Research studies involved livestock genetics and breeding. Performed descriptive and inferential statistical analyses of research data, co-ordinated and supervised staff (500) in the National Sahiwal Stud and supervised graduate fellows in aspects pertaining to their

research.

Responsibilities: Developed, maintained and enhanced databases of genetics/breeding and reproductive biotechnology research.

2002-2008  
Senior Lecturer and Head of Animal Genetics and Breeding

Doctor of Philosophy (PhD). Animal Production, (Animal Genetics and Breeding ) University of Nairobi. This study was geared towards development of breeding policy for Kenyan small scale dairy cattle farms by productivity modeling approach. Won In-country DAAD scholarship and GTZ /ARF research Grant

1988-2002  
Lecturer

M.S.c, Animal Production (Animal Genetics and Breeding) , University of Nairobi  
Won DAAD Grant  
Graduate Diploma (Animal Breeding) University of Edinburgh, UK under commonwealth scholarship  
B.S.c., Agriculture ( Upper Second Class Honours) University of Nairobi

1984-1989  
Head of Kenya National Sahiwal Stud

- English and Kiswahili
- Date of birth : 23<sup>rd</sup> March, 1957
- Place of birth : Bungoma, Kenya
- Nationality : Kenyan
- Marital status: Married

1981-1984  
Research

The number of articles in scientific journal –over 50. These publication outputs can be searched under my name (Wakhungu, J.W.) on the internet websites

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Officer

Educati  
on  
1997-  
2001

List Theses; ; Chapter; Books and Journal Papers. :

a) Theses:

- 1) Wakhungu, J.W. (2000). Dairy Cattle Breeding Policy for Kenyan smallholders: an evaluation based on a demographic stationary state productivity model, Ph.D. Thesis, University of Nairobi.135pp.
- 2) Wakhungu,J.W.,(1988) Genetic and phenotypic parameters and trends in production and reproductive performance of the Kenya Sahiwal cattle. MSc. Thesis, University of Nairobi..89pp

1986-  
1988

b)Book Chapter

1983-  
1984

- 1) Radeny, M.; Scarpa, R.; Ruto, E.; Kristjanson, P. and Wakhungu, J.W. ( 2006) “Determinants of cattle prices in Southern Kenya: Implications for breed conservation and pastoral marketing strategies”. In McPeak, J.G. and Little, P.D. (eds) pastoral livestock marketing in Eastern Africa Rugby, UK: ITDG publishing. (Book Chapter) - 2006

1978-  
1981

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c) **Books**

1)Wakhungu,J.W (2012.) A book published by Lambert Academic Press, Germany entitled “Dairy Cattle Breedin Policy for Kenyan smallholders: A productivity modelling approach”, 140pp. (Online: [www.get-morebooks.com](http://www.get-morebooks.com) ISBN 978-3-659-13344-2. Price 59.0 Euros

- d) Wakhungu,J.W(2017). Animal Genetics manual for livestock,, and wild game scientists. A A book manuscript acknowledged by Lambert Academic Press, Germany for publication.
- e) Wakhungu, J.W. (2017) Book manuscript titled: Llivestock breeding policy design: National and International perspectives. University of Nairobi Press (In Press).

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d)Refreed Journal Papers

Graduate Degree Theses in Archives and book  
IOSR Journal of Agriculture and Veterinary Science (IOSR JAVS)  
ISSN: 2319-2380, p  
ISSN: 2319-2372. Volume 13, Issue 4 Ser. I  
I (April 2020), PP 13-17  
www.iosrjournals.org  
DOI: 10.9790/2380-1304031317  
www.iosrjournals.org  
13 | Page  
Influence of Nutritional Management Practices on Dairy Cattle

Productivity  
among  
Small Holder Farmers  
in Kakamega Central,  
Kakamega County, Kenya  
Charles  
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Public  
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Nundu,  
Jacob W. Wakhungu and  
Francis N. Muyekho  
School of Agriculture and Veterinary Sciences,  
Masinde Muliro University of Science and Technology, Kenya.

- 1) :
- 2) [Nyende Kefa Osolo](#) Wakhungu J.W. and [John Obiri](#)( 2016) [Manure Management Risks and Ownership of Peri- Urban Poultry Enterprises in Western Kenya](#) INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH ISSN: 2319-7664, Volume 5, Issue 1, January 2016 :655-682
- 3) NABISWA PATRICK KOYI; JACOB W. WAKHUNGU; DONALD N. SIAMBA and KADIAN WANYONYI WANYAMA (2016). KEY VALUE CHAIN ACTORS IN THE DAIRY SECTOR IN BUNGOMA COUNTY, KENYA. JOURNAL OF INTERNATIONAL ACADEMIC RESEARCH FOR MULTIDISCIPLINARY Impact Factor 2.417, ISSN: 2320-508 Volume 4, Issue 7, August 2016
- 4) Nyongesa H.W., Wakhungu J.W. and Maragia, S. (2016), Strategies for Enhancing Post Conflict Parenting and Primary School Pupils; Academic Achievements in Sigowet and Nyakach Sub Counties of Kenya. International Journal of Social Sciences and Humanities 4 (2): 36-45.

- 5) Nyongesa H.W., Wakhungu J.W. and Maragia, S. (2016), Achievements in Sigowet and Nyakach Sub-Counties of Kenya. International Journal of Social Sciences and Humanities 6 (4): 631-643
- 6) [Nyende Kefa Osolo](#); Wakhungu J.W. and [John Obiri](#) (2015). Environmental hazards in Peri- Urban Poultry Farming in Western Kenya. Asian Journal of Basic and Applied Sciences: Vol. 2 (2): 74-83
- 7) Nyende.K. Osolo ; Shibairo.S. I. and , Jacob W. Wakhungu (2015). Botanical Composition and Selective Feeding by Goats in the Semi-Arid Lands of Central-Eastern Kenya International Journal of Science and Research. Vol. 4 (3), March 2015 [www.ijsr.net](http://www.ijsr.net)
- 8) Brasa, M.O.B.; S.B.B.; Oteng;I and J.W..Wakhungu. (2015). Farmer Adaptation Strategies to the Impacts of Climate Variability in Kakamega County Kenya. Research Journal's Journal of Agriculture: :2(5): 1-18.
- 9) Wabwoba, M.S.; Wakhungu, J.W.; Obiri, J.O.and Lwevo, E (2015). Household Potential in Improving Food Security in Bungoma County, Kenya. Journal of International Academic Research for Multi-disciplinary. Vol 3 (7): 338-348
- 10) Stella, T.; Wakhungu, J.W and Kasilly, J. (2015). Gender and Agricultural Production in Post- Conflict Greater Gulu District, Uganda. International Journal of Agriculture and innovations Research: Vol. 4 (1): ISSN (On-line) 2319 1473.
- 11) Michael Kiplangat Cheruiyot; Jacob W. Wakhungu, and Stanley Oluchiri Omuterema (2015) Influence of agricultural extension training on preparedness and management of avian flu epidemic threat in Nakuru County, Kenya. Prime Journal of Social Science (PJSS) ISSN: 2315-



5051. Vol. 4(11), pp. 1224-1232

[www.primejournal.org/PJSS](http://www.primejournal.org/PJSS)

- 12) Michael Kiplangat Cheruiyot; Jacob W. Wakhungu, and Stanley Oluchiri Omuterema (2015) Influence of financial support on management of avian flu epidemic threat in Nakuru County, Kenya Prime Journal of Social Science (PJSS) ISSN: 2316-5061. Vol. 4(11), pp. 1252-1261  
[www.primejournal.org/PJSS](http://www.primejournal.org/PJSS)
- 13) Nyandiko, N.O .; Wakhungu, J.W. and Oteng'i S.B.B (2015). Effects of climate variability on maize yield in the arid and semi-arid lands of lower eastern Kenya. Agriculture & Food Security Vol 48:
- 14) Omugaka, P.O.; Wakhungu, J.W. and Kioli, F.N. (2015), Demographic and socio-economic factors as determinants of environmental attitude in Mavoko Pri-Urban settlements of Nairobi Metropolis, Kenya. Asian Journal of Social Sciences, Arts and Humanities. Vol. 3 (3):21-44
- 15) Omugaka, P.O.; Wakhungu, J.W. and Kioli, F.N. (2015). Enhancing household response to flooding in Mavoko Pri-Urban settlements of Nairobi Metropolis, Kenya. International journal of Multidisciplinary Academic Research. Vol 3 (4): 36-55
- 16) Omugaka, P.O.; Wakhungu, J.W. and Kioli, F.N. (2015). Homeowners' environmental attitude and onset of flooding in Mavoko Pri-Urban settlements of Nairobi Metropolis, Kenya. International Journal of Thesis Projects and Dissertations: Vol.3(3):81-99
- 17) Omugaka, P.O.; Wakhungu, J.W. and Kioli, F.N. (2015). Environmental attitude and effect of flooding on households in Mavoko Pri-Urban settlements of Nairobi Metropolis, Kenya. International Journal of Thesis Projects and Dissertations: Vol.3(4): 1-21
- 18) Omugaka, P.O.; Wakhungu, J.W. and Kioli, F.N. (2015). Homeowners' environmental attitude and humanitarian support during flooding in the Mavoko Pri-Urban settlements of Nairobi Metropolis, Kenya. International journal of Multidisciplinary Academic Research. Vol 3 (4): 1-22
- 19) Wapukha, J.M.; Onchiri, R.O. and Wakhungu, J.W (2015). The correlation of Road geometry and

environmental features with road accidents in Bungoma and Uasin Gishu Counties. African Journal of Education, Science and Technology. Vol 2 (3):13-27

- 20) Were, D.S.; Wakhungu, J.W. and Nato, J.A. (2015). Forms of violence experienced by children in Kenya during the 2007 post election violence (PEV) and their psychological effect International Journal of Current Research. Vol. 7 (2). issued February, 2015. Issue ISSN No.0975-833X.  
<http://www.journalcra.com>
- 21) Wapukha, J.M.; Wakhungu, J.W. and Onchiri, R.O (2014). Role of road accidents in Uasin Gishu and Bungoma counties, Kenya. International Journal of Engineering Sciences and Management Research. Issue No.2349-6193. <http://www.ijesmr.com>  
.issued 23.11.2014
- 22) Wapukha, J.M.; Wakhungu, J.W. and Onchiri, R.O (2014). Investigation of physical laws of motion and human factors on road accidents in Uasin Gishu and Bungoma Counties, Kenya. International Journal of Engineering Sciences and Management Research. Issue No.2349-6193. <http://www.ijesmr.com> .issued 25.11.2014
- 23) Shitote, Z ; Wakhungu, J.W. and China, S.S (2014). Fish Farming's Contribution to Food Security & Livelihoods for the Poor Households in Western Kenya. For the 1st International Interdisciplinary Annual Conference, Theme: "Africa and the New World Order" at the Kisi University to be held on 30th July to 2nd August 2014 (Accepted for presentation and publication)
- 24) Shitote, Z ; Wakhungu, J.W. and China, S.S (2014). Evaluation of Impact of Climate Change and Food Security on Aquaculture Continuum in Kenya" for the 1st International Interdisciplinary Annual Conference, Theme: "Africa and the New World Order" at the Kisii University to be held on 30th July to 2nd August 2014 (Accepted for presentation and publication)
- 25) Volenzo, T.E; Wakhungu, J.W. and Obiri, J.O. (2013). Alternative Dairy Cattle Feeding Strategies and climate Change Mitigation: Challenges and Opportunities. International Journal of Disaster Management and Risk Reduction. Vol.5 (2)
- 26) Otolu, J.R.A. and Wakhungu, J.W. (2013). Factors Influencing Livelihood Zonation in Kenya. International Journal of Education. Vol 1 No.12. Available <http://www.ijem.com/December, 2013, php>. Accessed 7<sup>th</sup>

January, 2015.

- 27) M.I. Isalamba, A.A; Wakhungu, J.W; Sande, C.M Sindani and B.M. Asenahabi (2013) Bird Species Biodiversity and Deforestation in Kakamega Forest, Kenya. (International Journal of Disaster Management and Risk Reduction.) [www.admcrk.org](http://www.admcrk.org)
- 28) Wabwoba, M.S.; Wakhungu, J.W. (2013). Factors affecting sustainability of community food security project in Kiambu county, Kenya. *Agriculture & Food Security* : Vol. 2: 9
- 29) Anunda, O.F. and Wakhungu, J.W\* (2013). Predisposing factors, Incidences and inbreeding disaster risk in smallholder dairy cattle herds in Kenya (International Journal of Disaster Management and Risk Reduction.) [www.admcrk.org](http://www.admcrk.org)
- 30) Wakhungu, J.W\*; M.S. Badamana<sup>2</sup> and J.W. Kuria<sup>1</sup> (2011) TRACKING ENVIRONMENTAL AND BIODIVERSITY CHANGES IN AGRO-ECOSYSTEMS IN SUB-SAHARAN AFRICA. (International Journal of Disaster Management and Risk Reduction) [www.admcrk.org](http://www.admcrk.org)
- 31) Volenzo Tom .E<sup>1,\*</sup> and J. W. Wakhungu (2011). Enhancing Agro- biodiversity and Food security through organic farming: Evidence from Survey of small-scale farmers, Vihiga District, Kenya. ( International Journal of Disaster Management and Risk Reduction) [www.admcrk.org](http://www.admcrk.org)
- 32) Njubi, D.M.; J.W. Wakhungu and M.S. Badamana (2011). Prediction of Second Parity Milk Yield of Kenyan ?Holstein-Friesian dairy cattle on first parity information using Neural Network system and multiple linear regression methods (Liv. for Res. Rural Dev).
- 33) Njubi, D.M.; J.W. Wakhungu and M.S. Badamana (2011). Genetic algorithms for mate allocation in Kenyan Holstein-Friesian dairy cattle. *Tropical Animal Health Prod./Outlook on Agriculture*

- 34) Njubi, D.M.; J.W.Wakhungu and M.S. Badamana (2011). Prediction of second parity milk yield of Kenya Holstein-Friesian dairy cows on first parity information using neural network system and multiple linear regression methods Livestock Research for Rural Development. 23(3):
- 35) Volenzo Tom E<sup>1,\*</sup>, J W Wakhungu\* (2011). REVERSING ENVIRONMENTAL DEGRADATION THROUGH INNOVATIVE AGRICULTURAL PRACTICES: POLICY OPTIONS FOR KENYA. (International Journal of Disaster Management and Risk Reduction) [www.admcrk.org](http://www.admcrk.org)
- 36) F.O. Anunda<sup>1</sup>, A.M. Okeyo<sup>1,2</sup>, J.W. Wakhungu<sup>3</sup> and I. Baltenweck (2011). [Assessing incidences and levels inbreeding in smallholder dairy cattle herds in Kenya](#). (International Journal of Disaster Management and Risk Reduction) [www.admcrk.org](http://www.admcrk.org)
- 37) Ounga T.O; Wakhungu J. W. and Mosi R.O (2010). Characteristics of lactation curves of Holstein – Friesian and their crossbred cattle under semi-arid environment of Eastern Kenya. Kenya Journal of Sciences.
- 38) Njubi, D.M.; J.W.Wakhungu and M.S. Badamana (2010). Predicting first lactation 305-day Milk Yield using artificial Network on test day milk yields. Trop. Anim. Health Prod. 42: 639-644.
- 39) Ongadi, P.M.; R.G. Wahome; J.W. Wakhungu and L.O.Okitoi; (2010) Modeling the influence of existing feeding strategies on performance of grade dairy cattle in Vihiga, Kenya. Livestock Research for Rural Development. 22 (3):
- 40) Mwanjumba, P.M.; A. Mwang'ombe; E.Lenihan; F.and ; J.W. Wakhungu Olubayo (2010). Participatory analysis of the farming system and resources in Wundanyi location, Taita district, Kenya: A livestock perspective Livestock Research for Rural Development. 22 (2):
- 41) Njubi D M, Wakhungu J and Badamana M S (2010). Application of computer-based intelligence techniques for optimization of selection and mating strategies in the Kenya dairy cattle population Livestock Research for Rural Development 22 (2) 2010
- 42) Ounga<sup>1</sup> T.O; Wakhungu<sup>2</sup> J. W; and R.O. Mosi<sup>1</sup> (2010). Characteristics of lactation curves of Holstein-Friesian crossbred cattle under semi-arid environment of Eastern Kenya. Kenya Journal of Sciences
- 43) Njubi, D.M.; J.W.Wakhungu and M.S. Badamana (2009). Mating decision support system using computer neural network model in Kenyan Holstein-Friesian dairy cattle. Livestock Research for Rural Development.

21(4):

- 44) Njubi, D.M.; J.W.Wakhungu and M.S. Badamana (2009). Milk yield prediction in Kenyan Holstein-Friesian cattle using computer neural networks system. . *Livestock Research for Rural Development*. 21(4):
- 45) Muema, E.K.; Wakhungu, J.W.; Hannote, O. and Han Jaalin (2009). Genetic diversity and relationship of indigenous goats of Sub-saharan Africa using microsatellite DNA markers. *Livestock Research for Rural Development*. 21(2): 34-56
- 46) Njubi D M, Wakhungu J and Badamana M S 2009. Milk yield prediction in Kenyan Holstein-Friesian cattle using computer neural networks system. [Livestock Research for Rural Development 21 \(4\) 2009](#).
- 47) Smiyu. T.W;Olukoye, G.A.;Wakhungu, J.W and Wamicha, W.N. (2008).Productivity indexing of wild herbivores on Lewa Wildlife Conservancy and Ol pajeta Ranch in northern Kenya. *African Journal of Ecology*:45 (3):416-422(7).
- 48) Amimo, J.O; Mosi, R.O. and Wakhungu, J.W. (2008). Genetic parameters for test-day milk in for first lactating Ayrshire participating in national milk recording scheme using random regression model with different contemporary groups *Journal of Animal Science*.
- 49) Mburu M., Wakhungu, J.W. and Kangethe, G.W. (2007). Characterization of smallholder dairy Production systems for livestock improvement in Kenya highlands. *Livestock Research for Rural Development*. Vol. 19 Article # 110.
- 50) Mburu M., Gitu, K.W. and Wakhungu, J.W. (2007). A benefit-cost analysis of smallholder dairy cattle Enterprises in different agro-ecological zones Kenya Highlands. *Livestock Research for Rural Development*. V 19 Article # 95.
- 51) Mburu M., Wakhungu, J.W. and Gitu, K.W. (2007). Determinants of holder dairy farmers' adoption of various milk marketing channels in Kenya highlands. *Livestock Research for Rural Development*. Vol. 19 Article # 134
- 52) Kinuthia, M.N., Wanyoike, M.M., Gachuiiri, C.K. and Wakhungu, J.W.(2007). Effect of supplementing weaner goats with graded levels of calliandra calothyrsus and Lucerne (Medicago sativa) on feed intake and weight gain.*Livestock Research for Rural Development*. Vol.19 Article #

- 53) MUGAMBI J.N., WAKHUNGU, J. W., B.O. INYANGALA., W.B. MUHUYI., T. MUASYA (2007):. Evaluation of the performance of the Kenya Dual Purpose Goat Composites: Additive and Non additive Genetic Parameters Small Ruminant Research 72: 149-156
- 54) Ombura, J., Wakhungu, J.W., Mosi, R.O. and Amimo, J.O. (2006). An assessment of the efficiency of the dairy bull dam selection methodology in Kenya. Livestock Research for Rural Development. Vol. 19 Article # 01
- 55) Amimo, J.O., Wakhungu, J.W., Inyangala, B.O. and Mosi, R.O. (2006). The effects of non- genetic factors and estimation of genetic, phenotypic parameters and trends for milk yield in Ayrshire cattle in Kenya. Livestock Research for Rural Development. Vol. 19 Article # 01
- 56) Ongadi, P.M, Wahome, R.G. , Wakhungu, J.W. Okitoi, L.O. and Otieno, K. (2006). Bio-economic analysis of expenditure on inputs and output value from crops and grade dairy cattle sub-systems in Vihiga, Kenya. . Livestock Research for Rural Development. Vol. 18 Article # 12
- 57) Kiarie, E.G, Kabuage, L.W. , Gitau, G.K., Wakhungu, J.W. and Mutero, C.W (2006). Livestock and their role in Mwea Irrigation Scheme in Kenya. Bull. Anim. Hlth. Prod. Afr. 54(2): 110-117
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- 59) Wakhungu, J.W., Olukoye, G.A. and Badamana, M.S. (2005). Productivity of exotic and indigenous Cattle on Kenyan ranches. The Kenya Veterinarian 30.
- 60) Bandamana, M.S, Wakhungu, J.W and R.O. Mosi (2004) Enhanced productivity indexing of goats. Bull. Anim. Hlth Prod Afr. 52(1):31-38
- 61) Muasya T.K, R.O. Mosi, J.W. Wakhungu and A.M. Okeyo (2004). A study of the reproductive performance of the diary cattle herd at the University of Nairobi Veterinary Farm, Kanyariri. The Kenya Veterinarian. 27 :106
- 62) Olukoye. G.A, Wakhungu J.W., Wamicha W.N, Kinyamario J.J and Mwanje J.L. (2004.) Livestock versus Wildlife ranching in Kenyan rangelands: A case study of Laikipia district ranches. The Kenya Veterinarian. 27:24-30.

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- 65) Muasya, T.K., Mosi, R.O, Wakhungu, J.W. and A.M.. Okeyo (2004). A study of the reproductive Performance of the dairy cattle herd at the University of Nairobi Veterinary Farm, Kanyariri. *The Kenya Veterinarian* 27: 106
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- 70) Noor, I.M, Wahome, R.G, Wakhungu J.W and Wanyoike, M.M.(1998). The state of health in Somali and Borana camel herds in Moyale district, Kenya. *The Kenya Veterinarian* 23:183-186.
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#### e)Involvement and ongoing contribution to industry

These include the various aspects of Animal Agricultural Research and Development linked to livestock sub sector in Kenya and Eastern Africa Region:

- 1) Currently, a consultant geneticist to the National Animal Genetic Resources Centre, Kenya. (Formerly the Central Artificial Insemination Station -CAIS);
- 2) Consultant Biometrical Geneticist to Animal Embryo-Transfer Biotechnology Secretariat of the Livestock Development Subsector, Kenya;
- 3) Lead consultant in Agriculture , Food Security and Livelihoods for World Vision in in Kenya the southern Sudan and Puntland in Somalia for World Vision NGO.
- 4) Lead Consultant for Livestock under Farm Management Group LTD, Nairobi, Kenya.
- 5) Lead Consultant for USAID and ADESO on Agricultural Database in Puntland State, Somalia





### Most Recent Conferences Participation and attendance in July, 2016-Feb, 2017

- 1) Bungoma County Investment Conference and Expo 10-16<sup>th</sup> August,2016, Bungoma Airstrip, Bungoma ,Kenya as Guest Speaker on Opportunities in Agricultural Value Chains
- 2) Kakamega County Fish Farming Stakeholder Conference held at Diamond Resort on 11<sup>th</sup> -12<sup>th</sup> Sept,2016, Kakamega town, as Guest Speaker on Research Collaboration with MMUST and Other Research Organization.
- 3) Kakamega County Livestock Value Chain Initiation and Implementation Conference held at Regional Commissioner's Conference Hall on 19<sup>th</sup>-20<sup>th</sup> October, 2016, Kakamega town, as Guest Speaker on Research Collaboration with MMUST and Other Research Organization.

### Affiliation to Professional Organizations

- 1) Recognized membership to, THE KENYA NATIONAL ACADEMY OF SCIENCES since 2005.
- 2) Honorary member of, THE AMERICAN BIOGRAPHICAL INSTITUTE's distinguished research Board of Advisors Raleigh, North Carolina USA since 2005.
- 3) Former National Vice- Chairman (2001-2003) of the ANIMAL PRODUCTION SOCIETY OF KENYA
- 4) Reviewer of journal scientific paper manuscripts for: Discovery and Innovation, Bulletin of Animal Health and Production of Africa, East African Forestry and Agricultural Journal, The Kenya Veterinarian and Deputy Editor of International Journal of Disaster Management and Risk Reduction

- 5) Member of the Small Holder Dairy Cattle Commercialization Project Under International Livestock Research Institute, Ministry of Livestock Development and Farmer Organizations.
- 6) Member of the National Dairy Cattle Breeding Policy Forum, since 2006
- 7) Consultant Geneticist on the Central Artificial Insemination Station Strategic Planning Committee, Kabete Nairobi.
- 8) Consultant Geneticist on the Livestock Embryo- Transfer biotechnology Committee, Ministry Livestock Development
- 9) Member of the Curriculum Review Committee in faculties of Veterinary Medicine and Agriculture and Center for Disaster Management & Humanitarian Assistance For University of Nairobi and Masinde Muliro University of Science and Technology, respectively
- 10) Won the Prestigious honour “2005 MAN OF ACHIEVEMENT AWARD” of the American Biographical Institute

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References

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