

CURRICULUM VITAE FOR PROF M'IKIUGU HENRY MUTEMBEI (B.V.M, M.Sc,
PhD, MKVA, MKVB)



PROF. HENRY MUTEMBEI M'IKIUGU
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1. SUMMARY OF THE SKILLS/EXPERTISE

i. Academia and Research

I am a professor with earned doctorate degree and I possess demonstrable professional skills in the fields of veterinary medicine and Environmental studies. I received my degrees of Bachelor of Veterinary Medicine (1995, graduating as the top student) and Master of Clinical Studies (1999), both from the University of Nairobi, before proceeding to the University of Justus Liebig in Giessen, Germany, where I attained a Doctor of Philosophy on endocrine effects of male fertility (2006), graduating with the Highest Honours of “Summa cum Laude”. I have maintained a strong path of vibrant research and teaching careers, providing mentorship to both staff and students (undergraduate and postgraduate). In this field I have spearheaded development of academic programs, (Undergraduate and Post graduate). Through my skills many staff have advanced their careers and published in peer-reviewed scientific journals. I have expansive research experience in the fields of veterinary medicine and environment in which I have published 53 scientific papers in peer-refereed scientific journals and many proceedings in scientific conferences and workshops.

ii. Work Experience

I am currently the Director of Wangari Maathai Institute for Peace and Environmental Studies. I have worked in the public sector for 22 years at the University of Nairobi, where I have held senior management positions serving as the Academic Head, the Coordinator of Programs & Projects, Member of board of postgraduate Studies, and Now the Director of Wangari Maathai Institute for Peace and Environmental Studies. My work experience has equipped me with skills to run day-to-day operations within public sector, sharpened my leadership skills, and provided me with an opportunity to demonstrate visionary, transformative and strategic leadership. As the Director of Wangari Mathai Institute of Peace and Environmental Studies, I am overseeing the building of a modern learning facility based on “Green Environmental Concept”. I also serve as a member of Commission of University Education on quality assurance and also as a member of National biosafety committee. At a national level I have served as the Project Coordinator of the Disaster Management Project in whose role I managed to develop new programmes now embedded into the University teaching curriculum and also formed a national

response teams that have responded to five national and one international disasters. I have also served in multi-cultural working environment at various institutions, including University of Nairobi (1995-date), University of Justus Liebig in Germany (2002-2006), Cambridge University (2009) and Embrapa institute in Brazil (2010). My work experience provides me with unique exposure that blends across the fields of veterinary medicine, agriculture, disaster management and environment. In all these fields I have worked I demonstrated the ability to be result oriented, establish collaborative working teams and networks at local, regional and international levels.

iii. Human, Financial Management and other Resource Management.

I am a leader who has developed through the ranks of the University public sector. I am a patriot who is well trained in a holistic manner and a hands-on person equipped with experience to influence positive management changes in any sector. For every position I have been called to duty, I brought on board commitment, proven skills and the ability to inspire my team to provide the desired results. Overall I am a hard working Kenyan raised from a humble background who is a team player and determined to see positive institutional transformations in Kenya. I have sound knowledge and experience in financial management and strategic human resource management. I have also built my leadership skills through courses to improve on my competences.

(i) Financial Strategic Analysis and Management;

This training equipped me with skills to analyze financial reports (statements), ask the right financial questions on financial reports, and measure and align financial performance to financial ratios (financial management).

(ii) Transformative leadership

Through this competence I rebranded my leadership towards the need for shared institutional vision for improved performance based service delivery and achieved targeted results. This competence further polished my valued leadership skill of being a steward rather than being a boss; a leader who is quick to identify talent and align them to institutional mission outputs for desired results.

(iii) Balanced score card

This exposed me to the importance of execution of strategy and aligning all the activities of an institution to its vision and mission. It gave me a balanced view of the institution performance.

(iv) Corporate governance

My training on good corporate governance provided the competency in attaining and sustaining superior performance through making the right choice of corporate mechanisms and processes in corporations that I direct. This enlightened me on the need to steward a direction rather than control institutions for improved efficiency. This also improved my skills of ethical behaviour and sound corporate governance practices of disclosure, neutrality, respect for all, transparency, accountability and effective monitoring.

iv. Legislative and regulatory framework for the country

I am enlightened on government structures. I am capable of interacting with the various legislative regulations and understanding and implementing government policies, development goals and Vision 2030, including MTPs.

v. Compliance with Chapter Six of the constitution on leadership and integrity

I am compliant to all the requirements of chapter six of the constitution.

vi. Societal Contributions

I am a Kenyan raised from a humble background. I understand the values of our society and the problems our communities face. I have actively engaged in societal leadership roles that include community service and outreach, participating and chairing various community activities. Currently I am the chairman of board of management of Kiune Secondary School, Vice chairman of the Fortsmith Residents Water Project, the Chairman of Hesmak Self Help group and member of the Ameru Senior Public Officers Forum (ASPOF).

2. PERSONAL DATA

Name: Prof. M'IKIUGU Henry Mutembei
Date of birth: 16th August 1970
Place of birth: Miitine, Meru County

Nationality: Kenyan
Marital status: Married
Languages: Kimeru, German, Kikuyu, English, Kiswahili, Kikuyu
Current Administrative Position: Director, Wangari Mathai Institute for Peace and Environmental Studies
Current Address: University of Nairobi, Department of Clinical Studies, P.O Box 29053-00625, Nairobi, Kenya.
Mobile Phone: +254-724-857668
E-mail Addresses: hmutembei@uonbi.ac.ke or hmutembei2002@yahoo.co.uk
Website: <http://uonbi.ac.ke> or <http://wmi.uonbi.ac.ke>

3. ACADEMIC QUALIFICATIONS

2006-2007: Postdoc: Effects of oestrogens on the function of Epididymis in Males. Justus-Liebig University, Giessen, Germany
2003-2006: PhD: Endocrine effects on male fertility. Graduated with the Highest Honour of “*Summa cum Laude*”, Justus-Liebig University, Giessen, Germany
2003-2005: Certificate on Cell-Cell Interactions in Reproduction on Molecular and biotechnologies in reproduction. Justus-Liebig University, Giessen, Germany
2002: German Certificate: Goethe Institute, Dresden, Germany
1996-1998: Masters: Master of Science in Clinical Studies. Department of Clinical Studies, University of Nairobi, Kenya
1990-1995: Bachelors: Bachelor of Veterinary Medicine, University of Nairobi, Kenya, Graduated as top student.
1988-1989: A-Levels: Kenya Advanced Certificate of Education, Kianyaga Boys
1984-1987: O-Levels: Kenya Certificate of Education, Chogoria Boys
1976-1983: Primary: Certificate of Primary Education, Kiune Primary School

4. AWARDS

2006: **Golden Recognition:** Best doctorate student by attaining “the highest honour of *Summa cum Laude*” (www.giessen-server.de/beitrag256.html)

- 1997:** **1. Gandhi Smarak Nidhi Trustee Fund Price:** Best overall veterinary student in the class of 1995
- 2. Novarties East Africa Price and Trophy:** Best clinical student in the class of 1995
- 1996:** **Farmers choice Price and Trophy:** Best anatomy student in 1990
- 1988:** **Board of Governors Price:** Best overall science student in 1988
- 1988:** **Board of Governors Price:** Best biology student in 1988

5. OTHER COURSES ATTENDED

- **2014:** Kingston Jamaica: 12th-17th May 2014: The Livestock Emergency Guidelines and Standards (LEGS): Training of Trainers (TOT)
- **2014: One Health Central and East Africa** 24th-28th March Nakuru 2014: One Health In-Service Leadership Training
- **2103: Kenya School of Government:** 25th-29th Nov 2013: Transformative Leadership Course:-
Concept of Transformational Leadership, Strategic Thinking, Developing a Shared Vision for Organisations, Role Modelling, Coaching and Mentoring, Epithets of Inspirational Motivation, Managing & leading Change Culture change in transformational leadership, Effective leadership for performance improvement, Managing capital for organization transformation, Stewardship in leadership, Learning organization, Personal Branding, Good Corporate governance, Developing leadership commitment, Action planning
- **International Livestock Institute**, Nairobi: 2008-2011- Hands-on techniques on: - In-vitro Embryo Production, Embryo Transfer, Semen processing and Evaluation, genetic resource preservation and imports
- **Embrapa Institute**- Brazil: August- September 2009: International Course on Emerging Reproductive Technologies such as: - Ovum pick up (OPU), Ovarian Ultrasonography, Fetal sexing, and international standard procedures on embryo evaluation, grading and trade
- **Cambridge University, UK:** October 2009: International Course on Animal Welfare, Ethics and Law course on:-Legislation and Laws on reproductive technologies, General Animal Welfare and Ethics
- **Justus Liebig University, Giessen** Germany: 2002-2005: Certificate on Cell-Cell

Interactions in Reproduction covering courses on:-Reproductive Breeding Tools, Management of infertility in animals, Emerging Reproductive techniques, Sperm-oocyte interactions, Germplasm preservation and gene banking, Sperm Sexing, Embryo production and Transfer, Semen Evaluation Techniques, Cell Culture, Laboratory Safety Procedures, Website designs and Uses, Animal Health Improvement Programs, Quality Management Systems, Laboratory animal use

- **2004:** Aventis-Sanofi (Frankfurt, Germany) Use of Animal Models for Drug Development
- **2004-2005:** Cell Biology Techniques. Institute for Anatomy and Cell biology, Faculty of Human Medicine, Marburg, Germany
- **2004-2005:** Computer Techniques and Statistic Package SPSS", HRZ, Giessen
- **2004-2005:** Techniques of Molecular biology, Graduate College 533 Cell-Cell-Interaction in Reproduction, Giessen, Germany
- **2004:** Medical Writing and Presentation, Graduate College 533 Cell-Cell Interaction in Reproduction, Justus-Liebig University, Germany
- **2003:** General Laboratory Safety and Handling of Toxic Agents, Hessen Safety Section, Germany
- **2003:** Professional Code of Ethics and Career Development, Giessen, Germany
- **2003:** Website Development and Uses in Scientific communication
- **2003:** Laboratory Procedures, Precautions, Ethics and General Workmanship

6. LEADERSHIP

- **Current: Director:** Wangari Mathai Institute for Peace and Environmental Studies, University of Nairobi
- **2016-date: Chairman:** Board of Management, Kiune Secondary School, Meru County
- **2015-2017: Board member:** Board of Postgraduate Students, University of Nairobi
- **2013-2016: Coordinator:** Faculty of Veterinary Medicine student Attachment, University of Nairobi
- **2009-date: Coordinator:** Animal Disaster Management

- **2016-date: Vice Chairman:** Fortsmith Residents Water Project
- **2012-2016: Vice Chairman:** Upper Kabete Faculty Club, University of Nairobi
- **2009-2014: Academic Head of Section:** Reproduction and Obstetrics, Clinical Studies Department, University of Nairobi
- **2013-2016: Intermittently Ag. Principal and Dean:** College of Agriculture and Veterinary Sciences and Faculty of Veterinary Medicine, University of Nairobi
- **2012-2015: Intermittent Ag. Chairman of Department:** Clinical Studies Department, University of Nairobi
- **2009: Chairman:** Development of Curriculum for Training in Embryo Transfer
- **2008-date: Patron:** Kiriti Youth Development Group
- **2008-2012: Faculty Representative:** IGAD Livestock Policy Development Initiative
- **2007-2010: Project Coordinator:** SIFET Project of Heifer International Project
- **2007 - 2012: Coordinator:** Department Clinical Case Presentation and Guest Lectures
- **2007 -2010:** Project Coordinator: UON Animal Welfare Project
- **2002-2009:** Chairman: South Imenti Youth Development Association
- **1997 -2002:** Coordinator: KSPCA Community Extension Service
- **1988-1989:** Laboratory Captain: Kianyaga Boys High School
- **1985-1987:** Class Representative: Chogoria Boys High School

7. MANAGEMENT OF PROJECTS

- 2010- Date:** University of Nairobi-World Animal Protection Project on Disaster Management.
- 2007-2011:** University of Nairobi-Heifer International Project on Animal genetics improvement
- 20009:** University of Nairobi-Cambridge University Project on Disaster Animal Welfare
- 2007- 2013:** University of Nairobi-Worldwide Veterinary Services UK (WVS) Project on Animal Welfare
- 2006-2007:** University of Nairobi-Giessen University on common research

activities

8. ACADEMIC EXPERIENCE

- 2014 to date: Associate Professor of Animal Reproduction, Faculty of Veterinary Medicine, University of Nairobi.
- 24th March 2014 -2018: Pre-qualified Peer Reviewer on Quality Assurance, Commission of University Education
- 14th January 2014-2015: Team Member to Review National Veterinary Legislation
- 16th Dec 2013 to now: Appointed Biosafety Reviewer for National Biosafety Authority
- 21st March 2013- Now: Member, Faculty Research and Grants Committee
- 2013-2016: In-charge, Faculty Student Attachment Placement and Supervision
- 2012: In-charge UoN Embryo Production Lab Setup
- 2009 – 2014: Academic Head of Animal Reproduction Section
- 2009-2014: Senior Lecturer, reproduction- Faculty of Veterinary Medicine, University of Nairobi
- 2008-2011: Visiting Scientist- International Livestock Research Institute
- 2000-20009: Lecturer- University of Nairobi
- 2006-2007: Postdoc Position – Justus Liebig University- Germany
- 2003- 2006: Doctorate Position – Justus Liebig University- Germany
- 1995-2000: Assistant Lecturer- University of Nairobi
- 1993: Mathematics & Chemistry Teacher- St. Mary Girls Igoji

9. PERSONAL ACHIEVEMENTS

As the Director of Wangari Maathai Institute for Peace and Environmental Studies, University of Nairobi:

- effectively run day-to-day activities of the institute, the human and capital resources
- oversee research and training of postgraduate students
- championed the presidential visit to launch the institute as the Vision 2030 Flagship Project
- supervised the building of the phase 1 of the institute
- in charge of curriculum reviews, quality assurance and teaching

-established collaborative networks with regional Universities and international institutions like KFS, WAP etc

As the Academic Head of Reproduction in the University of Nairobi:

-effectively ran day-to-day activities of the Academic Section, managing the human and capital resources

-oversaw teaching of reproduction curriculum for 3rd - 5th year students

-championed the establishment of an in-vitro embryo production laboratory which is now one of the Vision 2030 Flagship Project of the University of Nairobi

-in charge of curriculum reviews, quality assurance and teaching of the Section

-established collaborative networks with regional Universities and international institutions like Giessen, WSPA, AWAKE, EASETA and WVS etc.

-oversaw Curriculum reviews and development in new masters programmes

As Professor – University of Nairobi-Veterinary Reproduction:

-involved in training, clinical duties, research and community service in the fields of animal Reproduction

-involved in student mentorship and supervision

-established research collaborative networks with ILRI, WSPA, Royal Veterinary College, and Cambridge University etc.

-attracted project grants funds for the University of Nairobi

-published over 50 research articles in referred journals

-Served as internal and external examiner

-involved in national and international duties

-conducted research that produced the first "test tube calf" Calf in Kenya in 2009

-attracted research grants from Heifer international to set up an in-vitro embryo production laboratory that trained 59 technical staff on techniques of in-vitro embryo production.

-wrote grants that attracted donor funding

-engaged in grant, personnel, financial & material and technical management of the donor funded projects

-planned and coordinated local, regional and international training activities

-organized training workshops on reproductive technologies for East African Stakeholders

- involved in quality assessment of semen imported into the country
- spearheaded development of policy guidelines for national embryo transfer training and practice
- developed National curriculum for Embryo transfer training and artificial insemination
- coordinated laboratory activities and human resources in ILRI and University of Nairobi
- actively participated in national livestock development activities such establishing links with stakeholders, presentation of research findings to farmers and transferring technology to stakeholders.
- participated in planning and production of manpower needed by the various livestock based industries e.g. inseminators for farmers, embryo transfer practitioners etc
- **As Coordinator of Disaster Management and Animal Welfare Projects:**
 - coordinated activities and managing human and capital resource for the project
 - started community Extension Services for control of rabies and stray dog population within the slum areas of Nairobi
 - involved in training, teaching and research on Animal Disaster Management
 - conducted Field Days, Demonstrations and practical drills
 - developed Training Modules for stakeholders on Animal Disaster Management
 - responded to national disasters especially during post-election violence, Tana River clashes, Drought in Mwingi and Sinai fire outbreak etc
 - attended various training workshops on disaster management and veterinary emergency response.
 - engaged with other stakeholders within the National Disaster Management and Risk Reduction arena
 - engaged in Personnel, Financial, Material and technical Management of the donor funded projects.
 - established FAO-Faculty of Nairobi LEGS training collaboration network

10. SCHOLARLY ACHIEVEMENTS (PUBLICATIONS)

2017

1. HM M, AN K, ER M. "[Environmental Oestrogen-like Endocrine Disrupting Compounds and the Dangers they Pose on Male Fertility: Review Case Study of Nairobi River Water.](#)" *J. Phys. Sci. Environ. Stud.*. 2017;3(3):25-29.

2. HM M, Kipyegon AN TVT. "[Effects of Exposure to Effluent Contaminated River Water on Boar Reproduction](#)." *International Journal of Veterinary Science*. 2017;6(1):49-52.

2016

3. HM M, etal N. "[Lateral Flow Immunoassay for Whole Blood Progesterone Detection as a Tool for Assessment of Reproductive Status in Cattle](#)." *International Journal of Veterinary Science*. 2016;6(1):19-25.
4. HM, M, Kipyegon AN, Tsuma VT O. 2016. [Knowledge and Practices of the residents living along the Nairobi River Riparian on the use of the contaminated river for farming and its effects on animal reproduction](#). *Journal of Agriculture and Veterinary Science*. 9(8):59-61.[mutembei kip 2016 survey.pdf](#)
5. HM, M, Kipyegon AN TVT. 2016. [Levels Of 17 \$\beta\$ Steroid And Alkylphenol Estrogenic Endocrine Disrupting Compounds In Nairobi River](#). *J. Phys. Sci. Environ. Stud.* 2(3):46-49.[mutembei kip 2016 ipses- levels of estrogenic edcs in nairobi river.pdf](#)
6. HM, M, Kipyegon AN, Tsuma VT O. 2016. [Effects of Effluent Contaminated River Water on Testicular Histology of Mice](#). *J Agric Vet Sci*. 3(6):411-415.[mutembei kip 2016 sjavs-effects of wastewater on mice testis.pdf](#)
7. HM, M, Origa R, GJO A. 2016. [An In-Vitro Criterion for Comparative Assessment of Fertility Characteristics of Bull Semen in Kenya](#). *Journal of Agricultural Science*. 2(6):100-104.[mutembei et al 2016 -semen paper jasft.pdf](#)
8. Okell CN, Mutembei HM, MJCABRJR/VKLRN. 2016. [Anthelmintic administration to small ruminants in emergency drought responses](#). *Journal of Tropical Animal Health and Production*. 48(3):493-500.
9. HM, M, Tsuma VT MER. 2016. [A kenyan economic analysis of utilization of ovum pick up, invitro embryo production and embryo transfer technologies in Kenya](#). *Inter J Vet Sci*. 5(2):68-68.[mutembei et al 2016 - opu paper.pdf](#)

2015

10. Mutembei HM, Tsuma VT, MBSMJ. 2015. [Manual on Technical aspects of Bovine in-vitro embryo production and embryo transfer](#). *The Kenya Veterinarian Journal*. 39(1):1-16.
11. Mutembei HM, Tsuma VT, MBSMJ. 2015. [Manual on Technical aspects of Bovine in-vitro embryo production and embryo transfer](#). *The Kenya Veterinarian Journal*. 39(1):1-16.
12. HM, M, T Wangare, J Kimaru CMMPMFM. 2015. [Benefits of Entrenching Animal Disaster Management and Livestock Emergency Guidelines Standards \(LEGS\) Courses into the Veterinary Curriculum: Case study of the University of Nairobi, Kenya](#). *JASFT*. 1(7):101-106.[mutembei et al 2015- benefits of dm and legs courses in vet curricula.pdf](#)
13. Mutembei HM, Cook EA, MMDNAK/MCMJJA. 2015. [A One-Health Approach to Control the Incidence of Rabies in the Slums of Nairobi](#). *Journal of Medical and Biological Science Research*. 1(9):130-133.[mutembei et al 2015-one health rabies control.pdf](#)
14. Nakami W, Mutembei HM, OGSMC. 2015. [Prevalence of Gastrointestinal Parasites of Sheep and Goats in the Fora and Mona Populations during Drought Mitigation in Marsabit County of Kenya](#). *Journal of Agricultural Science and Food Technology*. 1(6):84-87.[mutembei-nakami 2015-disaster management shoats.pdf](#)

15. Ndeke AN, Mutembei HM, TVTMER. 2015. [Reproductive performance of the Galla and Toggenburg goats and their crosses in Mwingi sub-county of Kenya](#). Journal of Agricultural Science and Food Technology. 1(6):78-83.[mutembei-ndeke 2015 - ngala goat reproduction.pdf](#)
16. Muasa BS, Mutembei HM, CLSAVJHM. 2015. [Effect of Follicle Size of Boran Cows on Glucose 6 Phosphate Dehydrogenase Activity and Developmental Competence](#). Inter J Vet Sci. 4(4):161-165.[mutembei-bridgit 2015-follicle size.pdf](#)
17. Lawrence FG, HM Mutembei, LAAMOJJ. 2015. [Constraints to use of breeding services in Kenya](#). Inter J Vet Sci. 4(4):211-215.[mutembei-gacheri 2015-breeding constraints.pdf](#)
18. DN Makau, CM Mulei, HMMMJWAJ. 2015. [Assessment of fecal parasitism for decision making in continued deworming of slum stray dogs in nairobi areas of Kenya](#). J V Med and Anim Health. 7(11):328-330.[mutembei-makau 2015-fecal evaluation.pdf](#)[mutembei-makau 2015-fecal evaluation.pdf](#)
19. J, M, HM M, VT Tsuma ERM. 2015. [characterization of follicular dynamics in the Kenyan Boran Cow](#). Inter J Vet Sci. 4(4):206-210.[mutembei-muraya 2015- dynamics.pdf](#)
20. Lawrence, FG, Mutembei H, Job Lagat, John Mburu OM. 2015. [A cost-benefit analysis of usage of sexed invitro fertilization embryo transfer in Kenya](#). Journal of Agricultural Science and Food Technology. 1(4):53-58.[cost benefit paper 2015.pdf](#)
21. Mutembei, HM, Mulei CM, Mbithi PMF. 2015. [Restoring community Livelihoods and Food Security through Livestock Asset during Drought Disasters: Case study of Mwingi, Kenya](#). Ajfand. 15(3):10047-10059.[mutembei 2015-ajfand disaster paper.pdf](#)
22. HM, M, T TV, BT M, J M, RM ER. 2015. [Bovine in-vitro Embryo Production and its contribution towards improved food security in Kenya](#). ajfand. 15(1):9722-9743.[mutembei 2015-ajfand ivf.pdf](#)

2014

23. Frances, A, et al. 2014. [One Health- the WSPA Approach](#).

2013

24. knowles, T, HM M. 2013. [cost-benefit analysis of WSPA's Mwingi Intervention in Kenya](#).
25. for protection of Animals, WS. 2013. [Case Study: Drought in Kenya Safeguarding Livestock and livelihoods](#). [uon-wspa dm casestudy drought kenya.pdf](#)

2012

26. Mutembei, HM;, Mulei CM. 2012. [Combating Animal disaster through Veterinary response unit. A University of Nairobi initiative. 8th Biennial Scientific Conference and 46th Kenya Veterinary Association Annual Scientific Conference. Held on 25-27 April, 2012, at Safari Park Hotel, Nairobi](#).
27. Kipyegon AN, Mutembei HM, TVTT. 2012. [Effects of Ripe Carica Papaya Seed Powder on Testicular Histology of Boars](#). international journal of veterinary science. 1(1):1-4.
28. Aleri JW, Mutembei HM, MCMGJWMSM2012. 2012. [A retrospective study of reproductive conditions in bitches in Nairobi](#). KVA. 34:29-31.

2011

29. Muraya, J; Aleri JW; Mutembei. MH; Mulei CM. 2011. [Rabies And Population Control Of Stray Dogs And Cats In Nairobi Slums. Wvs-csd Initiative \(2011\).](#)
30. Mutembei, HM; Camargo; Viana, JHM; Muasa B; Tsuma VT; Origa RA; Camargo; Viana, Okeyo AM. 2011. [In vitro embryo production using Boran \(Bos indicus\) oocytes in Kenya.](#)

2010

31. Aleri, JW; Mutembei HK; Mulei CM; Mbugua SM; Gakombe JW. 2010. [Retrospective Study On Canine Infertility In Nairobi And Its Environs \(2010\).](#)
32. Hoffmann, B, Rostalski A, Mutembei HM, Goericke-Pesch S. 2010. [Testicular steroid hormone secretion in the boar and expression of testicular and epididymal steroid sulphatase and estrogen sulphotransferase activity. Abstract](#)

2009

33. Fridah, L;G, Isabelle B; Job L; John M; Henry M; Joshua A;O, Okeyo AM. 2009. [A cost-benefit analysis of seced in-vitro fertilization embryo transfer in Kenya.](#)
34. 2009. [Testicular Steroid hormone Expression and Activity of Steroid Sulphatase in the Boar Testis.](#) Reprod Dom Anim 44, 17.

2008

35. Mutembei, HM, Mutiga ER, Tsuma VT. 2008. [A Retrospective study on Reproductive Parameters of dogs. J South African Vet Ass 71\(2\): 115-117.](#)
36. HENRY, DRM'IKIUGUMUTEMBEI, HENRY DRM'IKIUGUMUTEMBEI, HENRY DRM'IKIUGUMUTEMBEI, HENRY DRM'IKIUGUMUTEMBEI, HENRY DRM'IKIUGUMUTEMBEI. 2008. [Canine prostaglandin E2 synthase \(PGES\) and its receptors \(EP2 and EP4\): Expression in the corpus luteum during dioestrus.](#) Animal Reproduction Science 109 (2008) 319. : Elsevier

2006

37. HENRY, DRM'IKIUGUMUTEMBEI. 2006. [MP Kowalewski, HM Mutembei, B Hoffmann 2006: Expression of Prostaglandin sythetase in the corpus luteum of the dog. Reprod Dom Animal 41 \(Suppli.1\): 21..](#) Animal Reproduction Science 109 (2008) 319. : Elsevier **Abstract**
38. HENRY, DRM'IKIUGUMUTEMBEI. 2006. [Mutembei HM 2006: A Book on Estrogens and the Boar Testis: Expression of estrogen receptors \$\alpha\$ and \$\beta\$, aromatase, steroid sulfatase and of estrogen sulfotransferase in the testes of immature and mature boars. ISBN 3-8359-5079-7..](#) Animal Reproduction Science 109 (2008) 319. : Elsevier
39. HENRY, DRM'IKIUGUMUTEMBEI. 2006. [HM Mutembei, S Pesch, M Kowalewski, G Schuler, B Ugele,W Song and B Hoffmann 2006: Expression of Estrogen sulfotransferase in the testis of Immature and Mature boars.Reprod Dom Animal 41 \(Suppl.1\): 24..](#) Animal Reproduction Science 109 (2008) 319. : Elsevier **Abstract**

2005

40. HENRY, DRM'IKIUGUMUTEMBEI. 2005. [HM Mutembei, MP Kowalewski, B Hoffmann 2005: Sus scrofa steroid sulfatase mRNA partial CDs. A Gene Bank Submission. Accession number DQ139314..](#) Animal Reproduction Science 109 (2008) 319. : Elsevier

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42. HENRY, DRM'IKIUGUMUTEMBEI. 2005. [Mutembei HM, Pesch S, Schuler G, Ugele B, Rex-Haffner M, Hoffmann B 2005:Expression of steroid sulfatase in immature and mature boar testis. Schweizer Archiv f.](#) Animal Reproduction Science 109 (2008) 319. : Elsevier
43. *HM Mutembei, MP Kowalewski, B Hoffmann 2005: Sus scrofa steroid sulfatase mRNA partial CDs. A Gene Bank Submission, Accession number DQ139314.*" In: *Animal Reproduction Science 109 (2008) 319.* Elsevier; 2005.
44. *HM Mutembei, S Pesch, G Schuler, B Hoffmann 2005: Expression of estrogen receptors (ER α and ER β) and of aromatase in the testis of immature and mature boars. Reprod Dom Anim 40: 228-236.*" In: *Animal Reproduction Science 109 (2008) 319.* Elsevier; 2005.
45. *Mutembei HM, Pesch S, Schuler G, Hoffmann B 2005: Role of estrogen in the boar testis as deduced from the expression of estrogen receptors and cytochrome P450 aromatase. Andrologia 37 (4): 146-147.*" In: *Animal Reproduction Science 109 (2008) 319.* Elsevier; 2005.
46. *Mutembei HM, Pesch S, Schuler G, Ugele B, Rex-Haffner M, Hoffmann B 2005:Expression of steroid sulfatase in immature and mature boar testis. Schweizer Archiv f.*" In: *Animal Reproduction Science 109 (2008) 319.* Elsevier; 2005.
- 2004**
47. *HM Mutembei, S Pesch, G Schuler, B Hoffmann 2004: Expression of estrogen receptors and of aromatase in the boar testis demonstrates a paracrine, autocrine and/intracrine regulatory role of estrogen. 5th International Congress on Animal Endocrinology, 2004.*" In: *Animal Reproduction Science 109 (2008) 319.* Elsevier; 2004.
48. *HM Mutembei, S Pesch, G Schuler, B Hoffmann B (2004). Expression of estrogen receptor beta in the boar testis. Vet. Med. Austria/ Wien. Tier.*" In: *Animal Reproduction Science 109 (2008) 319.* Elsevier; 2004.
49. *Mutembei HM, Pesch S, Schuler G, Hoffmann B 2004: Expression of estrogen receptor alpha in the boar testis. 15th International Congress on Animal Reproduction, 2004, Porto Seguro, Brazil, Abstracts Vol. 1: 157.*" In: *Animal Reproduction Science 109 (2008) 319.* Elsevier; 2004.
- 2002**
50. *HM Mutembei, ER Mutiga, VT Tsuma 2002: An epidemiological survey demonstrating decline in reproductive efficiency with age and non-seasonality of reproductive parameters in Germany shepherds bitches in Kenya. J South African Vet Ass 73 (1): 36-37.*" In: *Animal Reproduction Science 109 (2008) 319.* Elsevier; 2002.
- 2000**

51. *HM Mutembei, ER Mutiga, VT Tsuma 2000: A Retrospective study on Reproductive Parameters of dogs. J South African Vet Ass 71(2): 115-117.*". In: *Animal Reproduction Science 109 (2008) 319*. Elsevier; 2000.

b) Web based Publication Content

52. **Mutembei HM 2012:** WSPA Intervention Report in Mwingi Kenya.
https://issuu.com/wspacanada/wspa_news_fallwinter2012_onlineversion_issu
51. **Mutembei HM 2012:** WSPA Post Intervention Report: Mutembei-news-2012.pdf:
https://www.worldanimalprotection.dk/wspa_news
52. WSPA Global Review 2011:
https://www.issuu.com/docs/wspa_usa_global_review_winsert_final
53. **Mutembei HM 2009:** Test tube calves and farm research.
<http://www.meatradenewsdaily.co.uk/news/110509/Kenya/> ..

11. SCIENTIFIC RESPONSIBILITIES

- Reviewer of scientific articles for Journal of Andrology and Endocrinology
- Reviewer of scientific articles for African Journal of Pharmacy and Pharmacology
- Reviewer of scientific articles for Kenya Veterinarian Journal

12. POSTGRADUATE SUPERVISION

a) PhD Students

1. Dr Claire Okell

Title: Measuring the impact of animal health interventions in drought responses in Kenya. Veterinary Epidemiology, Economics and Public Health, The Royal Veterinary College, UK

2. Dr Kipyegon Ambrose Ng'eno

Title: Effects of Endocrine Disrupting Compounds contained in Water effluents on male reproduction. University of Nairobi- Department of Clinical Studies

3. Dr Elizabeth Annie

Title: Interactions of human animal interface on rabies zoonotic disease. Veterinary Epidemiology, Economics and Public Health, The Royal Veterinary College, UK

4. Dr Kios David

Title: Factors affecting the quantity and quality of harvested (flushed) cattle embryos in Kenya. University of Nairobi- Department of Clinical Studies

5. Kenneth Mbali

Title: Governance factors affecting upscaling of Biogas in Kiambu County. University of Nairobi- Wangari Maathai Institute for Peace & Environmental Studies

6. Bessy Kathami

Title: Adoption of the Green Concept in Kenya. University of Nairobi- Wangari Maathai Institute for Peace & Environmental Studies

7. Grace Mwauda Wakeso

Title: Community Gender Mainstream Governance factors affecting Food security in Wundanyi Constituency. University of Nairobi- Wangari Maathai Institute for Peace & Environmental Studies

8. Sarah Wagatwe Wangechi

Title: Community Governance factors affecting Utilization of Water Rsource in Mwea Irrigation Scheme. University of Nairobi- Wangari Maathai Institute for Peace & Environmental Studies

b) Masters students Co-supervision

9. Dr Cook Annie Jesse

Title: Community awareness and understanding of rabies in Nairobi Kenya, London School of Veterinary Tropical Medicine and Public Health

10. Miss Lawrence Fridah Gacheri

Title: Evaluation of economics of utilization of Sexed Cattle Embryos in Kenya. Egerton University

11. Dr Bridgit Syombua Muasa

Title: The effect of follicle size and grade of cumulus oocytes complex on oocyte competence and in vitro development for the Boran Cattle. University of Nairobi, Department of Clinical Studies

12. Dr Kipyegon Ng'eno

Title: Evaluation of effects of papaya seed extract on fertility of the boar. University of Nairobi, Department of Clinical studies

13. Dr Nambiri M. Lameck

Title: Comparison of doe performance of the domestic rabbit. University of Nairobi, Department of Animal Production

14. Dr Muraya Joan

Title: Follicular and luteal dynamics in the Kenyan Boran. University of Nairobi- Department of Clinical Studies

15. Dr Origa Ruth Akinyi

Title: Assessment and comparison of bull semen fertility based on in vivo (non-return rate 60-90 days post insemination) and in vitro (cleavage and blastocyst rates) Criteria. University of Nairobi, Department of Clinical Studies

16. Dr Ndeke Ann

Title: Evaluation of Reproductive Performance of the Toggenburg Goat in Kenya as a Measure of Adaptability. University of Nairobi- Department of Clinical Studies

17. Dr Paul Okoth Juma

Title: Effects of extenders and seminal plasma on quality of stored buck semen. University of Nairobi- Department of Clinical Studies

18. Dr Wilkister Nakami

Title: Progesterone profiling of dairy cows for breeding management. University of Nairobi- Department of Clinical Studies

19. Grace Ndinda

Title: Governance factors affecting sustainable urban farming in Nairobi County. University of Nairobi- Wangari Maathai Institute for Peace & Environmental Studies

20. Dr. Emily Kilonzi

Title: Governance factors affecting Disposal of chemical container waste within large and medium dairy farms in Kiambu County. University of Nairobi- Wangari Maathai Institute for Peace & Environmental Studies

21. Dr Mutuku James

Title: Evaluation of reproductive performance of dairy cows in smallholder set up systems of zero grazing units. University of Nairobi- Department of Clinical Studies

13. COMMUNITY PROFESSIONAL SERVICE

- 2016: Team Leader;** Rabies control and assessment of wild animal community conflict within the Maasai Mara North Conservancy and its neighbouring communities.
- 2016: Team member;** World Animal Protection – Ethiopian Red cross Society Response Team in Afar Region on Drought disaster.
- 2015: Coordinator;** UON-World Animal Protection El nino Response in Baringo County.
- 2011: Coordinator;** UON Veterinary Response Team against Drought in Mwingi.
- 2013: Coordinator;** UON Veterinary Response team in Tana River inter-ethnic conflicts.
- 2009: Coordinator;** Rabies and Population Control Program in Slum areas of Nairobi. Team comprised the University of Nairobi, ANAW, government vets and Worldwide Veterinary Services in United Kingdom.
- 2008: Coordinator;** Rabies and Population Control Program in Slum areas of Nairobi. Team comprised the University of Nairobi, ANAW, government vets and Worldwide Veterinary Services in United Kingdom.
- 2007: Coordinator;** Team provided free veterinary resource to animals of the Internally Displaced Persons (IDPs) in rescue and/or resettlement camps as part of a team comprising the University of Nairobi, ANAW, government vets and Worldwide Veterinary Services in United Kingdom.

14. WORKSHOPS AND MEETINGS

- 2015:** One health Workshop in Kampala, Uganda
- 2008-date:** Annual Kenya Veterinary Association Scientific Workshops and General Meetings
- 2013:** One health Workshop in Addis Ababa, Ethiopia
- 2009:** Development of Curriculum for Training in Embryo Transfer Technology, KVB, Nairobi
- 2008:** Development of Guidelines of Embryo Transfer Practice and Training in Kenya. KARI Resource Centre, Nairobi
- 2008:** Embryo Transfer International Stakeholders Workshop on Use of Reproductive Technologies to accelerate delivery of appropriate cattle genetics in eastern Africa. Kapiti Ranch, Machakos
- 2008:** Embryo Transfer Stakeholders Brainstorming Workshop on Guidelines for Embryo Transfer Practice and Training in Kenya. KARI headquarters, Nairobi
- 2007:** Curriculum Design and Development for UON Clinical Studies Postgraduate Programs and WSPA Animal Welfare for Undergraduate Students. Wildlife Training Institute, Naivasha
- 2005:** Histopathological Evaluation of the Testis. Annual Institutional Workshop, Giessen, Germany
- 2003-2005:** Cell-Cell Interaction Journal Club Seminars, Centre for Andrology, Marburg, Germany
- 2004:** European Association of Veterinary Anatomist (EAVA) Workshop on Cell Culture, Giessen, Germany
- 2004:** Small Animal Practice and its Challenges. Embu des Artes, Sao Paulo, Brazil
- 2004:** 4th Symposium on Small Animal Reproduction, Embu des Artes, Sao Paulo,

- Brazil
- 2004:** 8th Andrology and 4th Congress of the Graduate Seminar Cell-Cell Interaction in Reproduction, Giessen, Germany
- 2004** Drug Development Procedures, Sanofi Aventis, Frankfurt-Hochst and Bayer AG Wuppertal, Germany
- 2003:** 7th Andrology and 3rd Congress of Reproduction, Marburg, Germany
- 1992:** Zero Grazing Workshop, Embu
- 2000:** 2nd Biennial Faculty Scientific Conference, Kabete Campus, Nairobi
- 2000:** Community Empowerment through Participatory Projects
- 1999:** Continuing Education on the role of Veterinarian in Wildlife Conservation
- 1998:** Income Generation Symposium, Clinical Studies Department, Nairobi
- 1997:** Continuation Veterinary Education Workshop, Clinical Studies, Nairobi
- 1995-date:** Kenya Veterinary Association Annual General Meetings
- 1993:** Science Congress Judges Training Workshop, Meru School

15. ABSTRACTS IN CONFERENCES

- 2015:** Disaster management activities within the livestock sector in Kenya. KVA conference in Kisumu Hotel, Kenya.
- 2014:** Follicular dynamics of Boran cows. KVA conference in White Sands hotel, Mombasa, Kenya.
- 2013:** Rabies control strategies within slum areas of Nairobi. Onehealth Conference in Hilton hotel, Addis Ababa, Ethiopia
- 2008:** Use of Cattle Reproductive technologies in Kenya. 6th Biennial Scientific Conference, Kabete, 17th-19th Sept.
- 2007:** Expression of Steroid Sulfatase in Boar Testis. 40th Yearly Congress of Physiology and Pathology of Reproduction in Veterinary and Human Medicine, Berlin, Germany
- 2006:** Expression of Estrogen Sulfotransferase in Boar Testis. 39th Yearly Congress of Physiology and Pathology of Reproduction in Veterinary and Human Medicine, Hannover, Germany
- 2005:** Expression of P450 Aromatase in the Boar Testis. 38th Yearly Congress of Physiology and Pathology of Reproduction in Veterinary and Human Medicine, Zurich, Switzerland
- 2005:** Roles of Estrogen Sulfotransferase and Steroid Sulfatase in Regulation of Testicular Functions. 2nd Faculty PhD-Symposium, Auditorium of Hygiene and Environment, Faculty of Human Medicine, Giessen
- 2005:** Staging of Spermatogenesis. Clinical Studies, Nairobi
- 2005:** Role of Estrogens in the Autocrine and perigrine regulation of the Testis. 1st Faculty PhD-Symposium, Auditorium of Hygiene and Environment, Faculty of Human Medicine, Giessen, Germany
- 2004:** Roles of Estrogens in the Boar Testis as Deduced from Expression of their receptors and of Aromatase. 8th Andrology and 4th Congress of the Graduate Seminar Cell-Cell Interaction in Reproduction, Giessen, Germany
- 2004:** Estrogenic Regulation of Testicular Function in the Boar. Clinical Studies Department, Nairobi
- 2004:** Expression of Estrogen Receptors α and β in the Boar Testis. Annual Research Dissemination for VFFV, Giessen
- 2004:** Role of Estrogens in the Boar Testis. 37th Yearly Congress of Physiology

- and Pathology of Reproduction in Veterinary and Human Medicine, München, Germany
- 2004:** Expression of Oestrogen Receptor β in the Boar Testis. 15th International congress for animal reproduction (ICAR), Porto Seguro, Brazil
- 2004:** Expression of Oestrogen Receptor α in the Boar Testis. 5th International Congress on Farm Animal Endocrinology (ICAE), Budapest, Hungary)
- 2004:** The Role of Estrogens in the Boar Testis. 37th Yearly Congress of Physiology and Pathology of Reproduction in Veterinary and Human Medicine, München, Germany
- 2004:** Implantation and Placentation. Annual Institutional Workshop, Giessen, Germany
- 1998:** Parameters of GSD Bitches in Kenya. 1st Biennial Faculty Scientific Conference, Kabete Campus, Nairobi

16. PROFESSIONAL MEMBERSHIP

- 1995 –Present:** Member East African Embryo Transfer Association
- 1995-Present:** 1. Member Kenya Veterinary Board (KVB)
2. Member Kenya Veterinary Association (KVA)
- 2003-2006** Member, Cell-Cell Interaction in Reproduction Graduate Seminar 533
- 1990 – 1995** Member Veterinary Student Association (VSA)
- 1983 – 1989** 1. Member 4K- Club 2. Member Young Farmers club

17. HOBBIES

Training, Politics, Research, Conservation of animal resources, Sports and Games

18. REFEREES

- i) **Prof. Jacob Thurania Kaimenyi, Professor, & CS, Ministry of Lands.**
Mobile Tel. 0722223647
- ii) **Peter Mbithi,** Vice Chancellor and Professor of Veterinary Surgery, University of Nairobi. E-mail: pmbithi@uinbi.ack.ke Tel: 0721214713
- iii) **Prof. Erastus Kiambi Kang'ethe,** Professor for Public Health, Department of Public Health, University of Nairobi. P. O. Box 29053-00625 Nairobi. Mobile Tel: 0722363873. E-Mail: ekangethe@uonbi.ac.ke

19. TESTIMONIALS / ENCLOSURES

The following documents are provided as supportive testimonials.

- i) National ID
- ii) KRA Certificate
- iii) Police certificate of good conduct
- iv) Helb Loan Clearance certificate
- v) EACC certificate
- vi) Degree certificates