

# **CURRICULUM VITAE**

**Dr. Lucy W. Njagi**

**BVM, MSc. (Veterinary Pathology & Microbiology), PhD  
(Veterinary Virology)**



**SENIOR LECTURER**

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## 1.0 SUMMARY

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Lucy W. Njagi is senior Lecturer, Department of Veterinary Pathology, Microbiology and Parasitology, Faculty of Veterinary Medicine, University of Nairobi. She holds a PhD degree in Veterinary Virology which she attained in December 2008 from University of Nairobi. She also holds MSc. in Veterinary Pathology and Microbiology (2004) and Bachelor of Veterinary Medicine (1998) degrees, both from the University of Nairobi.

She is an accomplished scholar with proven track record in training, research and publications. She has over 10 years' experience in research project management and has held different leadership positions at the University and in community service. Dr. Njagi has been working at the Department of Veterinary Pathology, Microbiology and Parasitology since 2003, initially on contract basis (1<sup>st</sup> June 2003 to 18<sup>th</sup> November 2009), then as full time lecturer on permanent employment (19<sup>th</sup> November 2009 to 7<sup>th</sup> April 2014) and as a Senior Lecturer (8<sup>th</sup> April 2014 to date).

Dr. Njagi has been teaching avian and fish medicine, wildlife and emerging animal diseases, and veterinary pathology courses to graduate and undergraduate students for over 15 years. She is an accomplished researcher, scholar, trainer and leader. She is actively involved in research activities particularly in diagnostics and management of poultry and fish viral and parasitic diseases. As a scholar and trainer, Dr. Njagi has a track record in supervising and mentoring postgraduate students and early career scientists. She has successfully supervised and mentored 11 graduate (2 PhD and 11 MSc.) students to completion, while others are currently at different levels of research and thesis writing. Numerous undergraduate students have also done and completed their special projects under her supervision. Her academic and research career has also been exemplary as demonstrated by publications in peer refereed journals and success in grant awards. She has co-authored over 90 journal and conference publications. She has attended and presented papers in numerous conferences and workshops.

Dr. Njagi has previously served as the senate representative for the Faculty of Veterinary Medicine and an acting chairperson, Department of Veterinary Pathology, Microbiology and Parasitology. She serves in the Faculty of Veterinary Medicine Graduate Studies Committee, among other responsibilities. In 2012, she served in a ministerial task force for reviewing Animal welfare policy. In addition, she has also participated in developing a gift policy for University of Nairobi. She has also been reviewing scientific articles for East African Medical journal. Overall, she has established and maintained national, regional and international collaborations that has helped her emerge as a strategic leader in animal health and diagnoses.

***Curriculum Vitae – Dr. Lucy W. Njagi***

## 2.0 PERSONAL DETAILS

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**Name:** Dr. Lucy W. Njagi

**Date:** December 18, 1972

**Place of Birth:** Embu County

**Nationality:** Kenyan

**Marital Status:** Widowed

**Office Address:** University of Nairobi, Faculty of Veterinary Medicine, Department of Veterinary Pathology, Microbiology & Parasitology, P.O Box 29053, Code: 00625, Kangemi-Nairobi, Kenya.

**Email:** [njagiluc@uonbi.ac.ke/lucynjg1@gmail.com](mailto:njagiluc@uonbi.ac.ke/lucynjg1@gmail.com)

**Cell Phone:** +254 710 597 480; +254 765 597 480

**Languages:** English, Kiswahili and Kiambu

**Profession:** Veterinary Pathologist, Virologist and Poultry Medicine Expert

**Current position:** Senior Lecturer, Department of Vet. Pathology, Microbiology & Parasitology, University of Nairobi (since 2014)

## 3.0 ACADEMIC RECORD

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- 2008**      **Doctor of Philosophy (PhD) in Veterinary Virology;** University of Nairobi  
**Thesis title:** Endemicity of Newcastle disease virus in village indigenous chickens and the role of carrier ducks
- 2003**      **Master of Science (MSc) in Veterinary Pathology and Microbiology;** University of Nairobi  
**Thesis title:** Carrier status, antibiotic and disinfectant sensitivity patterns of *Listeria Monocytogenes* and other aerobic bacteria in scavenging chickens and ducks.
- 1998**      **Bachelor of Veterinary Medicine (BVM);** University of Nairobi (UoN)
- 1991**      Kenya Certificate of Secondary Education (KCSE); Kangaru Girls Secondary School

## 4.0 WORK EXPERIENCE

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**Senior Lecturer**, University of Nairobi, Dept. of Vet. Pathology, Microbiology & Parasitology (VPMP), Faculty of Veterinary Medicine, University of Nairobi (Appointed on 8<sup>th</sup> April 2014 to date i.e. **10 years 4 months**)

**Lecturer**, University of Nairobi, Dept. of Vet. Pathology, Microbiology & Parasitology (VPMP), Faculty of Veterinary Medicine, University of Nairobi (Appointed on 19<sup>th</sup> November 2009 to 7<sup>th</sup> April 2014)

**Assistant Lecturer**, University of Nairobi, Dept. of Vet. Pathology, Microbiology & Parasitology (VPMP), Faculty of Veterinary Medicine, University of Nairobi (Appointed on 1<sup>st</sup> June 2003 to 18<sup>th</sup> November 2009)

## 5.0 COURSES TAUGHT

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### 5.1. Undergraduate Courses

1. JPM 3252: General pathology
2. JFA 208: Fish Diseases and Health Management
3. JPM 351: Systemic pathology 1
4. JPM 352: Clinical Pathology
5. JPM 353: Systemic Pathology II
6. JPM 354: Avian & Fish health
7. JPM 355: Wildlife, Laboratory and Emerging Food Animal Diseases
8. JPM 451: Post mortem Demonstration and Laboratory Diagnosis
9. JCL 534: Forensic Science, Jurisprudence and policy
10. JPM 555: Diagnostic Pathology
11. JVM 562: Special Projects
12. JVM 564: Pathology case presentations
13. AAS 414 - Animal Health Management
14. JWL 441: Wildlife diseases

### 5.2. Postgraduate Courses

1. JPM 6101: Diagnostic Pathology
2. JPM 6109: Advanced Histopathology
3. JPM 6102: Advanced Clinical Pathology
4. JPM 6106: Pathology of Wildlife Diseases
5. JPM 6127: Pathology of Avian Diseases
6. JPM 8103: Applied Diagnostic Pathology
7. JPM 8106: Applied Clinical Pathology
8. JWL 6108: Wildlife Pathology

## 6.0 COORDINATION OF COURSES

1. JPM 352: Clinical Pathology; Laboratory animal science (2012 to June 2021)
2. JPM 3352: Systemic Pathology II (September 2022 to date)
3. JPM 3355: Avian and Fish Health ( July 2021 to date)
4. JPM 6127: Pathology of Avian Disease (2012 to date)
5. JPM 659: Diagnostic Cytology (September 2022 to date)
6. JPM 8106: Applied Clinical Pathology

## 7.0 FIELD OF SPECIALIZATION

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- Virology
- Pathology
- Avian Medicine

## 8.0 PROFESSIONAL AND SOCIAL AFFILIATIONS

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1. Registered Veterinary Surgeon by the Kenya Veterinary Board (KVB NO.1921)
2. Kenya Veterinary Association
3. Bronze Life Member of University of Nairobi Alumni Association
4. Member of Department of Veterinary Pathology, Microbiology & Parasitology Staff Welfare Association (DWA)

## 9.0 SCHOLARSHIPS AND AWARDS

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1. **Government of Kenya (1993):** To study Bachelor of Veterinary Medicine at the University of Nairobi
2. **University of Nairobi (2000):** To pursue Master of Science Degree in Veterinary Pathology and Microbiology in the Faculty of Veterinary Medicine.
3. **Danish International Development Agency (DANIDA) (2004):** Through the ENRECA program “Improving the Health and Productivity of the Rural Poultry in Africa” (IHEPRUCA) Grant; sponsorship to undertake PhD studies at both the UON, and the Royal Veterinary & Agricultural University in Denmark.

## 10.0 RESEARCH GRANTS

1. Enhancing indigenous village and smallholder commercial chicken productivity through use of effective Gumboro disease vaccination regimes and immune stimulants (**July 2015-June 2017**): Funded by RUFORUM Graduate Grant; Project No. **RU 2015 GRS-128: US\$ 59,830; Vote: 500-661-672 [Principal Investigator]**
2. Capacity Building for Training and Research in Aquatic and Environmental Health in Eastern and Southern Africa (TRAHESA) (**2013 – 2018**): Funded by NORHED, NORAD; **Grant amount: 13,748,854 NOK [Co - investigator]**
3. Multi stakeholder study to enhance the control of diseases that limit production and market access of livestock in Dryland sites of Marsabit Kenya (**2013**): Funded by the UON Centre for Sustainable Dryland Ecosystems and Societies (CSDES); **Grant amount: US\$ 8,000 [Co - investigator]**
4. Enhancing Village Chicken Productivity through Parasite Management for Effective Newcastle Disease Vaccination in Kenya (**2012**): Funded by RUFORUM Graduate Grant; Project No. **RU 2015 GRS-128: US\$ 60,000; Vote Number [Co - investigator]**
5. Controlling infectious bursal disease through development of local vaccines and establishing effective vaccination program (**2011**): Funded by **Science, Technology and Innovations (ST&I)**; Grant amount: KShs. **2.5 million; Vote: 500-653-294 [Principal Investigator] =**
6. Enhancement of sustainable livestock productivity and marketing through control of Rift valley fever virus in Eastern Africa (**2010**): Funded by RUFORUM Graduate Grant; **Grant amount: US\$ 60,000 [Co - investigator]**.

## 11.0 SUPERVISION AND MENTORSHIP OF MSC AND PHD STUDENTS

MSc. Supervision			
S/N	Student/Reg. No	Thesis title	Comments
1	Mathew Kiplimo Kipkosgei J56/43108/2022	Prevalence of Mastitis, Risk Factors and Associated Antibiotic Resistance Profile of Bacterial isolates from Dairy Cattle Milk in Nyeri County, Kenya	Research stage
2	Cidee Night Khaseke J56/41762/2022	Prevalence of Antimicrobial Resistant Bacteria and Antimicrobial Use in Farmed and Wild Fish in Selected Counties of Kenya	Research stage
3	Mercy Matuma Hamisi J56/41758/2022	Occurrence, Antimicrobial Susceptibility and Effect of Physico-chemical Factors on Potentially Pathogenic and Zoonotic Bacteria in	MSc. awarded - 2024

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		Farmed and Wild <i>Oreochromis Jipe</i> in Taita Taveta County, Kenya	
4	Ndegwa Joseph Macharia J56/41759/2022	Characterization, Pathogenicity, and Interaction of Flavobacterium and <i>Aeromonas</i> species isolated from a fish farm with high Tilapia fish ( <i>Oreochromis niloticus</i> ) mortality in Kenya	MSc. awarded - 2024
5	Igizeneza Acsa J56/10216/2018	Bacterial carriage and respective antimicrobial susceptibility profiles, with respect to indigenous chickens marketed in Nairobi, Kenya; after heavy rains	MSc. awarded - 2020
6	Henry W. Karoki J56/73504/2014	Bacteriological contamination, antimicrobial effect of lemon and pathogenicity of most prevalent bacteria from African sausages sold in Nairobi County. <i>University of Nairobi.</i>	MSc. awarded - 2019
7	Wahome M. Wambui J56/82629/2015	Infectious bursal disease status, knowledge, attitudes and practices of value chain actors in smallholder indigenous village poultry in Embu County, Kenya. <i>University of Nairobi.</i>	MSc. awarded - 2018
8	Moses Bwana Otieno J56/82628/2015	Effect of stimulants on Immune responses and Efficacy of two Infectious Bursal Disease vaccine strains in domestic chickens in Embu County, Kenya. <i>University of Nairobi.</i>	MSc. awarded - 2018
9	Kevin Odindo Miheso J56/82232/2012	Prevalence and Clinico - pathological study of Avian Leucosis in Chicken in Nairobi County and its Environs. <i>University of Nairobi.</i>	MSc. awarded - 2015
10	David C. Kemboi J56/65131/2010	Dynamics of Newcastle disease vaccine response with respect to season and parasite control and the respective productivity of indigenous chicken in Mbeere district. <i>University of Nairobi.</i>	MSc. awarded - 2014
11	Elisha K. Kutto J56/72056/2008	Bacteriological contamination of farm and market kale in Nairobi and its environs; pathogenicity and antibiotic sensitivity of isolated salmonellae. <i>University of Nairobi.</i>	MSc. awarded - 2012
12	Patrick W. Kamundia J56/70406/2007	Pathological changes associated with pollution and endoparasites in Nile Perch and Tilapia in Lake Victoria, Kenya. <i>University of Nairobi.</i>	MSc. awarded - 2012
13	Stephen K. Mavuti J56/71389/2007	Prevalence, intensity and pathology associated with parasitic infections in ducks in Nairobi and its environs. <i>University of Nairobi.</i>	MSc. awarded - 2011



<b>PhD supervision</b>			
<b>S/N</b>	<b>Student/Reg. No</b>	<b>Thesis title</b>	<b>Comments</b>
1	Wanzila Usyu Mutinda J80/85521/12	Isolation, pathological and immunological characterization of Kenyan infectious bursal disease virus strains for vaccine development. University of Nairobi.	PhD awarded – 2016
2	Elkanah Otiang J80/58524/2021	Impact of Newcastle Disease Vaccination on Survival and Productivity of Indigenous Chicken and Subsequent Child Nutrition and Growth in Associated Households in Western Kenya. <i>University of Nairobi.</i>	PhD awarded – 2023
3	Patrick Waweru Kamundia	Pathogenic Microbes and Endocrine disrupting chemicals in water and <i>Oreochromis niloticus</i> in lake victoria, Kenya. <i>University of Nairobi.</i>	Examination stage
4	Jane Wanjiku Kuria Githinji J87/50157/2015	Epidemiology of Infectious Bursal Disease in Kenya. University of Nairobi.	Thesis/manuscript writing

<b>SUPERVISION OF UNDERGRADUATE PROJECTS</b>			
<b>S/N</b>	<b>Student/Reg. No</b>	<b>Project title</b>	<b>Year</b>
1.	Sabdio Sake Boru J30/6067/2024	Prevalence and Factors Associated with the Occurrence of Pestes Des Petits Ruminants in Sheep and Goats in North Horr Sub County of Marsabit County	Ongoing
2.	Victor Sang Kipyegon J30/137491/2019	Prevalence and Risk Factors of Newcastle Disease in Poultry in Ainamoi Sub County, Kericho County, Kenya	2024
3.	Onyango Nelson Orimba J30/2640/2017	Prevalence and Factors Associated with Canine Cutaneous Conditions in Nairobi County, Kenya	2024
4.	Lawrence Kichamu J30/86447/2017 (BVM - UoN)	Antibiotics Usage in Management of Chicken Diseases in Nairobi Metropolitan Region, Kenya	2023
5.	Emelda Perez J30/82813/2017 (BVM - UoN)	Prevalence of Zoonotic Diseases in Cattle in Nairobi and Surrounding Counties	2023
6.	Corazon Nyambura J30/82794/2017 (BVM - UoN)	Causes of Pig mortality in Nairobi Metropolitan	2023
7.	Qalicha Haro Boru J30/82769/2017 (BVM - UoN)	Prevalence and causes of Camel organs condemnation in Moyale Sub-County, Kenya	2023
8.	Mutuma Karimi J30/2600/2016 (BVM - UoN)	Causes of Chicken Mortality in University of Nairobi Poultry Farms	2022
9.	Erick Mwangi Karanja J30/2613/2017 (BVM - UoN)	Prevalence of Infectious Bronchitis and Infectious Coryza in Chicken in Nairobi and Surrounding Counties	2022
10.	Noelle Aluoch J30/82738/2017	Prevalence of Marek's disease in vaccinated and unvaccinated chicken in Nairobi and surrounding	2022

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	(BVM - UoN)	counties	
11.	Onsongo Erick Amwoma (BVM - UoN)	Prevalence of Malnutrition in Chicken in Nairobi and its Environs	2019
12.	Alolo Isaiah Ndenga (BVM - UoN)	Prevalence of Tumours in Chicken in Nairobi County and its Environs	2019
13.	Nyongesa Simiyu Issa (BVM - UoN)	Causes of Domestic Cat Mortality in Nairobi County and its Environs	2019
14.	Wahome Margret Wambui (BVM - UoN)	Prevalence of avian zoonotic diseases in Nairobi county and its environs	2015
15.	Otingah Kennedy Keya (BVM - UoN)	Causes of poultry mortalities in the animal production poultry unit	2014
16.	Wycliffe Otieno Okoth (BVM - UoN)	Vaccines and antimicrobials used in management of poultry diseases in Kenya	2013
17.	Kevin Miheso Odindo (BVM - UoN)	Prevalence and causes of peritonitis in chicken in Nairobi and its environs	2012
18.	Francis K. Chirchir (BVM - UoN)	Prevalence and lesions associated with avian leucosis in commercial chickens in Nairobi and its environs	2011
19.	George K. Kibet (BVM - UoN)	Prevalence of chronic respiratory disease in chickens in peri-urban area of Nairobi, Kenya	2011

## 12.0 EXAMINERSHIP

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Selected theses examined as a non-supervisor

### 12.1 EXTERNAL EXAMINER

Amoia Charlie Franck Arthur N'guessan (PhD - SUA)	Molecular Epidemiology of Newcastle Disease Virus and Development of DNA Vaccine for the Fight against Newcastle Disease in Africa	2024
1. Fatma Suleiman Ali (MSc. - SUA)	Prevalence and characterization of <i>Staphylococcus aureus</i> in fresh Indian Mackerel Fish ( <i>Rastrelliger kanagurta</i> ) in Unguja island	2017
2. Augustino Alfred Chengula (MSc. - SUA)	Molecular Epidemiology of Rift Valley Fever and its socio-economic impact in selected areas of Tanzania	2012

### 12.2 INTERNAL EXAMINER

S/N	Name of student	Thesis title	Year
1.	Patrick Waweru Kamundia (PhD- UoN) J87/98768/2015	Pathogenic Bacteria, Endocrine-Disrupting Chemicals in Water and Associated Pathology in <i>Oreochromis niloticus</i> in Lake Victoria, Kenya	2024

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2.	Mercy Matuma Hamisi J56/41758/2022	Occurrence, Antimicrobial Susceptibility and Effect of Physico-Chemical Factors on Potentially Pathogenic and Zoonotic Bacteria isolated from Farmed and Wild <i>Oreochromis</i> species in Taita-Taveta County, Kenya	2024
3.	Joseph Macharia Ndegwa J56/41759/2022	Molecular characterization, clinico-pathology and antibiotic susceptibility of <i>Aeromonas</i> isolate recovered from an aquaculture farm with high fish mortality in Narok County, Kenya	2024
4.	Mercy Cianjoka Gichuyia (PhD- UoN) J87/52173/2017	Value Chain Analysis and Exposure Assessment to Non- Typhoidal Salmonellosis for Pork Consumers in Rural Western Kenya	2024
5.	Elkanah Sillus Orwa Otiang (PhD- UoN) J80/58524/2021	Effect of Newcastle Disease Vaccination on Productivity of Indigenous Chicken and Association with Child Nutrition and Growth in Western Kenya	2023
6.	Whisper Kuwenyi (MSc.- UoN)	Occurrence, Diagnosis, Management and Outcomes of Surgical and Dental Conditions affecting Horses in Nairobi County, Kenya	2022
7.	Doris Daniel Lado_Lobojo (MSc.- UoN)	Estimates of the Incidence of Human Cases of Dog Bites and the Burden of Rabies in Juba City Council, South Sudan	2021
8.	Benjamin Omondi Oundo (MSc.- UoN)	Prevalence, Characteristics, Management and Outcomes of Wounds and Surgical Procedures in Domestic Cats in Nairobi County, Kenya	2021
9.	Zahra Zulfikar Mamujee (MSc. - UoN)	Occurrence, clinical features, management, and outcome of limb conditions in dogs in Nairobi County, Kenya	2020
10.	Ncebere Jackson Muriungi (MSc. - UoN)	Pathology and Haemato-Biochemical Changes in Goats feeding on <i>Opuntia stricta</i> and Community Perception of the Plant in Laikipia County, Kenya	2019
11.	Joice Chebet (MSc. - UoN)	Prevalence and Efficacy of Selected Treatments Options against Natural Mite Infestations of Rabbits in Central Kenya	2019
12.	Kipyegon Essau Serem (MSc. - UoN)	Seroprevalence of Infectious Bovine Rhinotracheitis in Naari Sub-location of Meru County, Kenya	2019
13.	Eunice Atieno Omondi (MSc. - UoN)	Determination of Optimal Viral Dose, Immunological Response and Survival Rate in Pigs Experimentally Infected with African Swine Fever Virus	2019
14.	John Kariuki (MSc. - UoN)	Assessment of Prevalence and Antimicrobial Resistance Profiles of <i>Campylobacter</i> species in Commercial Broiler Production Systems in Kenya	2019
15.	Wahome M. Wambui (MSc. - UoN)	Infectious bursal disease status, knowledge, attitudes and practices of value chain actors in smallholder indigenous village poultry in Embu County, Kenya.	2018

16.	Macharia James Kariuki (MSc. - UoN)	Prevalence, Pathotypes and Antimicrobial Resistance of <i>Escherichia coli</i> Isolated from Livestock and Rats in Korogocho and Viwandani Slums of Nairobi County	2018
17.	Mavuti Stephen Kitonga (PhD - UoN)	Effects of Water Physico-Chemical Properties, Pollution and Parasitism on Quality of Farmed Fish in Nyeri County, Kenya	2018
18.	Samuel Maina Kahariri (MSc. - UoN)	Sero-Prevalence of Human and Livestock Brucellosis and Associated Risk Factors in Marsabit County, Kenya	2018
19.	Wilson Kuria Gachugia (MSc. - UoN)	Prevalence and Pathology associated with Caprine Arthritis Encephalitis Disease in Goats in Thika, Nairobi and Machakos Districts, Kenya	2012

### 12.3. FACULTY COMMITTEE OF EXAMINERS

S/N	MEMBER OF FACULTY COMMITTEE OF EXAMINERS FOR THE FOLLOWING CANDIDATES		
	Name of student	Degree	Year
1.	Mercy Cianjoka Gichuiya	PhD	2024
2.	Winfred Muthini Kyalo	PhD	2024
3.	Elkanah Otiang	PhD	2023
4.	Daniel Wanja Wambua	PhD	2023
5.	Sylvia Mwelu Maveke	MSc	2023
6.	Joe Mwangi Kamau	MSc	2023
7.	Mariam Mbatha Ndunda	MSc	2023
8.	Sharon Nthenya Mbindyo	PhD	2023
9.	Ann Ndeke Ndululu	PhD	2023
10.	Brian Ndambuo Nkiambuo	MSc	2023
11.	Maxwell Mutuku	MSc	2022
12.	Hashim Mohamed Ali	MSc	2022
13.	Irungu Moses Gakuru	MSc	2022
14.	Ivayo Ronny Musinya	MSc	2022
15.	Mokua Stella Kwamboka	MSc	2021
16.	Mwasi Amos Sibuti	MSc	2021
17.	Awili Hilary Oluoch	MSc	2020
18.	Edwin Willie Mwangi	PhD	2019
19.	Peninah Wamboi	MSc	2019
20.	Nancy Ndinda Mulwa	MSc	2019
21.	Wambugu R. Nyawira	MSc	2019
22.	Linet Mwende Kaaria	MSc	2019
23.	Rimfa Amos Gambo	MSc	2019
24.	Macharia James Kariuki	MSc	2018
25.	Nguro Bilha Njeri	MSc	2017
26.	Kevin Sitati Sinoya	MSc	2017

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27.	Odhiambo Dennis Ochieng	MSc	2017
28.	Mutinda Wanzila Usyu	PhD	2016
29.	Lekerpes Saiwana Shadrack	MSc	2015
30.	Shepelo Getrude Peter	MSc	2015
31.	Mbugua David	MSc	2015
32.	Mbindyo Sharon Nthenya	MSc	2015
33.	Portas Odula Olwande	PhD	2013
34.	Victoria Ngonda Mutua	MSc	2012
35.	Mutinda Wanzila Usyu	MSc	2011

### 13.0 REVIEW OF JOURNAL ARTICLES

I have reviewed journal articles for the

1. East African Medical Journal in 2022 and 2023
2. The Kenya Veterinarian Journal in 2010 and 2011
3. African Journal of Microbiology Research in 2010

### 14.0 TRAINING ATTENDED AND CONTINUING PROFESSIONAL DEVELOPMENT (CPD) PARTICIPATION

2024	Participated Workshop and training on Advancing Livestock Research and Veterinary Training, organized by ILRI-UoN, held at Enashipai Hotel, Naivasha town, December 16 <sup>th</sup> and 17 <sup>th</sup> 2024.
2024	Facilitated and participated in Stakeholder Workshop for the Aquatic Animal Health (AHA) Project – Kenya, held at Wambugu Farm, Nyeri County, September 30 <sup>th</sup> , 1 <sup>st</sup> to 2 <sup>nd</sup> October, 2024.
2024	Participated in a virtual training on (Mtihani) Examination Processing System, organized by Directorate of Information, Communication & Technology, University of Nairobi, January 25, 2024.
2023	Participated in a virtual training on soft skills and university policies organized by University Management, University of Nairobi, March 29, 2023.
2023	Participated in a virtual training on (Mtihani) Examination Processing System, organized by Directorate of Information, Communication & Technology, University of Nairobi, March 27 to 30 <sup>th</sup> , 2023.
2023	Participated in a training course on “Basic epidemiology, Outbreak investigation and Risk Assessment in Aquatic Animals” organized by world fish Project, Jacaranda Hotel, Nairobi (Kenya), March 15-17, 2023
2023	Participated in a virtual training workshop on “Pedagogy and Andragogy organized

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	by Chairman, VPMP, University of Nairobi, March 8, 2023
<b>2023</b>	Attended and actively participated in a virtual training on postgraduate supervision organized by Deputy Vice – chancellor (Academic Affairs), University of Nairobi, February 22, 2023.
<b>2023</b>	Participated in virtual training on online grading and moderations, organized by Directorate of Information, Communication & Technology, University of Nairobi, February 10, 2023.
<b>2022</b>	Participated in a training on Learning and Examination management systems, organized by Directorate of Information, Communication & Technology, University of Nairobi, November 8, 2022.
<b>2021</b>	Participated in a training on Lecturer Examination Management Module, organized by Directorate of Information, Communication & Technology, University of Nairobi, December 15, 2021.
<b>2021</b>	Actively participated in a virtual training on Asynchronous learning from Pedagogical perspective, organized by Directorate of Information, Communication & Technology, University of Nairobi, September 13 to 17, 2021.
<b>2020</b>	Actively participated in a virtual AMR Customization workshop organized by Africa One Health University Network ( <b>AFROHUN</b> ) Kenya, September 21 to 25, 2020.
<b>2020</b>	Facilitated and participated in Poultry training workshop for ILRI staff on poultry handling, inoculation, sample collection and necropsy at the Department of Veterinary Pathology, University of Nairobi, February 25 to 27, 2020
<b>2019</b>	Participated in a training course on “Pedagogy, Andragogy and Mentorship Training” course organized by the Centre for Pedagogy and Andragogy (CEPA), University of Nairobi at CCU, Main Campus, Nairobi, Kenya, June 19 -21, 2019
<b>2017</b>	Attended and actively participated in a Lecturer Didactics Training Workshop organized jointly by University of Nairobi and PREPARE - BSc Project, held at Clinical Studies Department, Upper Kabete Campus, and University of Nairobi, Kenya, January 18 and 19, 2017.
<b>2015</b>	Participated in a PhD supervision training workshop organized by University of Nairobi Enterprises and services limited, held at Maanzoni lodge, Kenya, May 4 <sup>th</sup> to 7 <sup>th</sup> , 2015.
<b>2014</b>	Participated in a Workshop and Training on practical approaches for diagnosis and treatment of poultry diseases, held in the Department of Veterinary Pathology, Microbiology and Parasitology, University of Nairobi, Kenya, August 6, 2014.
<b>2014</b>	Participated in a Workshop and Training on One Health Leadership Training held at Hotel Cathay, Nakuru, March 24 <sup>th</sup> to 28 <sup>th</sup> , 2014.
<b>2014</b>	Participated in a TRAHESA Project inception meeting and MSc curriculum development workshop, held at Hilux Hotel, Morogoro, Tanzania, February 5 <sup>th</sup> to 12 <sup>th</sup> , 2014.
<b>2014</b>	Participated in a AGRA – Wageningen UR Workshop and Training on Competence and Skills for PhD supervisors and established Scientists, held at the College of Agriculture and Veterinary Sciences, University of Nairobi, January 15 <sup>th</sup> to 17 <sup>th</sup> , 2014

<b>2013</b>	Participated (as member of the organizing committee and facilitator) in a stakeholder's workshop on enhancing village chicken productivity through parasite management for effective Newcastle disease vaccination in Mbeere district, Embu County, December 2013
<b>2013</b>	Participated in a workshop and training on science knowledge base (UONSK) e-learning, held at the College of Agriculture and Veterinary Sciences, University of Nairobi, August 6 <sup>th</sup> to 8 <sup>th</sup> , 2013.
<b>2013</b>	Participated in a workshop and training on forensic science and welfare of birds of prey and the interface with poultry and other industries, held in the Department of Veterinary Pathology, Microbiology and Parasitology, University of Nairobi, Kenya, July 3 <sup>rd</sup> , 2013.
<b>2013</b>	Participated (as member of the organizing committee and facilitator) in a Continuing Professional Development (CPD) workshop and training on Forensic science and Welfare of birds of Prey and the interface with poultry and other industries Science in the Department of Veterinary Pathology Microbiology & Parasitology, University of Nairobi, July 2013
<b>2013</b>	Participated in an inter-University workshop to validate the in-service training needs in One Health (OH) Emerging Pandemic Threats Programs, held at Silver Springs hotel, Nairobi, June 24 <sup>th</sup> , 2013.
<b>2013</b>	Participated in an inter-University workshop to nurture collaboration, curriculum review, co-teaching and partnerships in One Health (OH) Emerging Pandemic Threats Programs, held at Panari hotel, Nairobi, January 21 <sup>st</sup> to 24 <sup>th</sup> , 2013.
<b>2012</b>	Participated in a Bio-Ethics in Research workshop and training held at Paediatric Training and Clinical Centre, College of Health Sciences, University of Nairobi, November 26 <sup>th</sup> to 30 <sup>th</sup> , 2012.
<b>2012</b>	Participated in a regional workshop to identify targeted practical and applied One Health (OH) related in-service training programs; held at Kunduchi Beach Hotel, Dar es Salaam, Tanzania, September 17 <sup>th</sup> to 20 <sup>th</sup> , 2012.
<b>2011</b>	Participated (as member of the organizing committee and facilitator) in a Continuing Professional Development (CPD) workshop and training on Forensic Veterinary Science held in the Department of Veterinary Pathology Microbiology & Parasitology, University of Nairobi, May 18, 2011
<b>2010</b>	Participated in a workshop and training on strategies for promotion of good animal welfare; held at Agricultural Information Resource Centre, Nairobi, October 28 <sup>th</sup> and 29 <sup>th</sup> 2010.
<b>2010</b>	Participated in a workshop and training on Sanitary /Phytosanitary (SPS) and Risk Analysis; held in Addis Ababa, Ethiopia, September 14 <sup>th</sup> to 24 <sup>th</sup> , 2010.
<b>2010</b>	Participated in a workshop and training on PhD supervision; held in the University of Nairobi, College of Agriculture and Veterinary Sciences, March 2 <sup>nd</sup> to 4 <sup>th</sup> , 2010.
<b>2009</b>	Participated in a workshop and training on Performance enhancement strategies held in University of Nairobi, Kenya, January 31, 2009.
<b>2009</b>	Participated in a workshop and training on Poultry Health for Development, held at

**Curriculum Vitae – Dr. Lucy W. Njagi**



	Agricultural information Resource Centre, Nairobi, April 29 <sup>th</sup> to May 8 <sup>th</sup> , 2009
2007	Participated in a workshop and training on Avian Flu School and Poultry Health, held at the Faculty of Veterinary Medicine, University of Nairobi, Kenya, July 24 <sup>th</sup> to 27 <sup>th</sup> , 2007.
2007	Participated in a workshop and training on Proposal and Scientific writing, held at KCB training centre, Kenya School of Monetary studies, Nairobi; organized by University of Nairobi, CAVS, November 19 <sup>th</sup> to 25 <sup>th</sup> , 2007.

## 15.0 PUBLICATIONS IN REFEREED JOURNALS

1.	Mercy M. Hamisi, Christine M. Mbindyo, <b>Lucy W. Njagi</b> , Phillip N. Nyaga, Robert M. Waruiru, Finnan O. Ageng'o, Paul G. Mbutia, Ali Shima, Jerome Delamare, Daniel W. Wanja, George A. Dimbu, Saraya Tavornpanich and Paul G. Mbutia (2024). Occurrence of bacterial infections in different sizes of <i>Oreochromis jipe</i> under different climatic and physio-chemical environments in Taita-Taveta County. <i>International Journal of Fisheries and Aquatic Studies</i> 2024; 12(4): 49-58 DOI: <a href="https://doi.org/10.22271/fish.2024.v12.i4a.2943">https://doi.org/10.22271/fish.2024.v12.i4a.2943</a>
2.	Kamundia Patrick Waweru <sup>1,*</sup> , Mbutia Paul Gichohi <sup>2</sup> , Bebora Lilly <sup>2</sup> , <b>Njagi Lucy Wanjiru<sup>2</sup></b> , Nyaga Phillip Njeru <sup>2</sup> (2024). Pathology of <i>Oreochromis Niloticus</i> Due to Infections and Water Pollution in Kisumu and Homa Bay, Lake Victoria, Kenya. <i>Journal of Aquatic Science</i> , 7 (1), 1-8. DOI: <a href="https://doi.org/10.12691/jas-7-1-1">10.12691/jas-7-1-1</a>
3.	Kamundia Waweru <sup>*1</sup> , Paul Gichohi Mbutia <sup>2</sup> , <b>Lucy Wanjiru Njagi<sup>2</sup></b> , Lily Bebora <sup>2</sup> , Philip Njeru Nyaga <sup>2</sup> and Robison Mdegela <sup>3</sup> (2023). Quantification of Estrogenic Endocrine Disrupting Chemicals in River Estuary and Lake Water from Select Sites in The Winam Gulf of Lake Victoria, Kenya. <i>European Journal of Pharmaceutical and Medical Research</i> , 10 (9), 81-87.
4.	Acsa I, Bebora, LC, Nyaga, PN, <b>Njagi, LW</b> (2022). Village-Indigenous Chicken Bacterial Carriage after the Heavy Rains of 2018, Kenya: Indicator on Environmental Contamination with Pathogenic/Zoonotic Bacteria. <i>Veterinary Medicine International</i> , vol. 2022, Article ID 5437171, 8 pages, 2022. <a href="https://doi.org/10.1155/2022/5437171">https://doi.org/10.1155/2022/5437171</a>
5.	Elkanah Otiang, Jonathan Yoder, Shanthi Manian, Zoë A. Campbell, Samuel M. Thumbi, <b>Lucy W. Njagi</b> , Philip N. Nyaga, and Guy H. Palmer (2022). Vaccination of household chickens results in a shift in young children's diet and improves child growth in rural Kenya. <i>PNAS. Economic Agricultural Sciences. Volume 119, No. 24</i> , <a href="http://www.pnas.org/lookup/suppl/doi:10.1073/pnas.e2122389119">http://www.pnas.org/lookup/suppl/doi:10.1073/pnas.e2122389119</a>
6.	Igizeneza Acsa, Bebora Lilly Caroline, Nyaga Philip Njeru, <b>Njagi Lucy Wanjiru</b> (2021). Preliminary Study on Disinfectant Susceptibility/Resistance Profiles of Bacteria Isolated from Slaughtered Village Free-Range Chickens in Nairobi, Kenya. <i>International Journal of Microbiology</i> , vol. 2021, Article ID 8877675, 7 pages. <a href="https://doi.org/10.1155/2021/8877675">https://doi.org/10.1155/2021/8877675</a>
7.	Otiang E, Thumbi SM, Campbell ZA, <b>Njagi LW</b> , Nyaga PN, Palmer GH (2021). Impact of routine Newcastle disease vaccination on chicken flock size in smallholder farms in western Kenya. <i>PLoS ONE</i> 16(3): e0248596. <a href="https://doi.org/10.1371/journal.pone.0248596">https://doi.org/10.1371/journal.pone.0248596</a>
8.	Otiang E, Campbell ZA, Thumbi SM, <b>Njagi LW</b> , Nyaga PN, Palmer GH (2020). Mortality as

	the primary constraint to enhancing nutritional and financial gains from poultry: A multi-year longitudinal study of smallholder farmers in western Kenya. <i>PLoS ONE</i> 15(5): e0233691. <a href="https://doi.org/10.1371/journal.pone.0233691">https://doi.org/10.1371/journal.pone.0233691</a>
9.	Mutinda W.U, Mbuthia P.G., <b>Njagi L.W.</b> , Bebora L.C. and Nyaga P.N. (2019): Pathogenicity of Kenyan Infectious Bursal Disease Virus Isolates in Indigenous Chickens. <i>International Journal of Poultry Science</i> , 18 (11): 523-529; DOI: <a href="https://doi.org/10.3923/ijps.2019.523.529">10.3923/ijps.2019.523.529</a>
10.	Igizeneza A, Bebora L. C, Nyaga P. N. and <b>Njagi L. W.</b> (2018): Antibiotic resistance in bacteria isolated from indigenous slaughter chicken in Nairobi, Kenya. <i>East African Medical Journal Vol. 95 No. 10</i>
11.	Karoki W.H., Karanja D.N., Bebora L.C., and <b>Njagi L.W.</b> (2018): Isolation, Characterization, and Quantification of Bacteria from African Sausages Sold in Nairobi County, Kenya. <i>Hindawi International Journal of Food Science. Volume 2018, Article ID 3861265, 9 pages</i> <a href="https://doi.org/10.1155/2018/3861265">https://doi.org/10.1155/2018/3861265</a>
12.	Mulei I., Nyaga, P., Mbuthia, P.Waruiru, R., <b>Njagi L.</b> and others (2018). Infectious Pancreatic Necrosis virus isolated from farmed Rainbow Trout and Tilapia in Kenya is identical to European Isolates. <i>Journal of Fish Diseases. DOI:10.1111/jfd.12807</i>
13.	Wahome, M.W., <b>Njagi, L.W.</b> , Nyaga, P.N., Mbuthia, P.G., Bebora, L.C. & Bwana, M.O. (2018). Knowledge, attitudes and practices of indigenous chicken value chain actors in relation to infectious bursal disease transmission in Kenya. <i>Ruforum working Document Series (ISSN 1607-9345), No. 17 (2): 511-518</i> , <a href="http://repository.ruforum.org">http://repository.ruforum.org</a>
14.	Waruiru, R. M., S K Mavuti, P G Mbuthia, <b>L W Njagi.</b> (2018). Prevalence and intensity of gastrointestinal helminth infestations of free range domestic ducks in Kenya. <i>Livestock Research for Rural Development</i> 30 (4)
15.	Bwana, Moses; <b>Njagi, Lucy</b> ; Nyaga, Philip; Mbuthia, Paul; Bebora, Lily; Wahome, Margaret; Mutinda, Wanzila; Kitala, Philip (2017): Stinging Nettle and Neem enhance antibody response to local killed and imported live Infectious Bursal Disease Vaccines in Indigenous Chicken in Kenya. <i>Poultry Science Journal</i> 97:447–454; <a href="http://dx.doi.org/10.3382/ps/pex329">http://dx.doi.org/10.3382/ps/pex329</a>
16.	Chege H.W, Kemboi D. C, Bebora L. C, Maingi N, Mbuthia P. G, Nyaga P. N and <b>Njagi L. W.</b> (2017): Efficacy of Piperazine citrate, Levamisole hydrochloride and Albendazole in the treatment of chicken naturally infected with gastrointestinal helminths. <i>Livestock Research for Rural Development</i> 29(5) 2017
17.	KW Maina, PG Mbuthia, RM Waruiru, J Nzalawahe, JW Murugami, <b>LW Njagi</b> , RH Mdegela and SK Mavuti (2017). Risk factors associated with parasites of farmed fish in Kiambu County, Kenya. <i>International Journal of Fisheries and Aquatic Studies</i> ; 5(4): 217-223.
18.	Miheso K O, Mbuthia P G, <b>Njagi L W</b> , Karanja D N, Gathumbi P K, Shah D N, Wanjoh J C W and Murithi M R (2017). Seroprevalence of Avian Leucosis in chicken in Nairobi and surrounding Counties. <i>Livestock Research for Rural Development. Volume 29, Article #52.</i> Retrieved March 17, 2017, from <a href="http://www.lrrd.org/lrrd29/3/mihe29052.html">http://www.lrrd.org/lrrd29/3/mihe29052.html</a>
19.	M O Bwana, <b>L W Njagi</b> , P N Nyaga, P G Mbuthia, L C Bebora, M W Wahome, W U Mutinda <sup>1</sup> and P M Kitala <sup>2</sup> (2017). Effects of different infectious Bursal disease vaccination regimes on biochemical and haematological parameters of indigenous chicken in Kenya. <i>Livestock Research for Rural Development</i> 29 (5)

20.	Wahome MW*, <b>LW Njagi</b> , PN Nyaga, PG Mbuthia, LC Bebora and MO Bwana (2017). Occurrence of Antibodies to Infectious Bursal Disease Virus in Non-vaccinated Indigenous Chicken, Ducks and Turkeys in Kenya. <i>International Journal of Veterinary Science</i> , 6(3): 159-162. <a href="http://www.ijvets.com">www.ijvets.com</a>
21.	Waruiru, R. M., S K Mavuti, P G Mbuthia, <b>L W Njagi</b> , M N Mutune and R O Otieno. (2017). Prevalence of ecto-and haemo-parasites of free-range local ducks in Kenya. <i>Livestock Research for Rural Development</i> 29 (7)
22.	Bwana M.O., <b>Njagi, L.W.</b> , Nyaga P.N., Mbuthia P.G., Bebora L.C., Wahome M.W. Mutinda W.U. and Kitale P.M. (2016). Growth promotive effects of neem and stinging nettle in indigenous chickens in Kenya. <i>Ruforum working Document Series (ISSN 1607-9345) No. 14 (1): 833-838</i> , <a href="http://repository.ruforum.org">http://repository.ruforum.org</a>
23.	W. U. Mutinda, <b>L. W. Njagi</b> , P. N. Nyaga, L. C. Bebora, P. G. Mbuthia, D. Kemboi, J. Githinji, and A. Muriuki (2015). Isolation of Infectious Bursal Disease Virus Using Indigenous Chicken Embryos in Kenya. <i>International Scholarly Research Notices</i> . Volume 2015, Article ID 464376, <a href="http://dx.doi.org/10.1155/2015/464376">http://dx.doi.org/10.1155/2015/464376</a>
24.	D. C. Kemboi, H. W. Chege, L. C. Bebora, P. N. Nyaga, <b>L. W. Njagi</b> , N. Maingi, P. G. Mbuthia and J. M. Githinji (2014). Effect of parasite control on immune response to Newcastle Disease vaccination in village chicken, Mbeere sub county. <i>Livestock Research for Rural Development</i> 26 (2), <a href="http://www.lrrd.org/lrrd26/2/kemb26034.htm">http://www.lrrd.org/lrrd26/2/kemb26034.htm</a>
25.	H. W. Chege, D. C. Kemboi, L. C. Bebora, N. Maingi, P. N. Nyaga, P. G. Mbuthia, <b>L. W. Njagi</b> and J. Githinji (2014). Chicken parasites and local treatments used against them in Mbeere District, Kenya. <i>Livestock Research for Rural Development</i> 26 1), <a href="http://www.lrrd.org/lrrd26/1/cheg26002.htm">http://www.lrrd.org/lrrd26/1/cheg26002.htm</a>
26.	D. C. Kemboi, H. W. Chege, L. C. Bebora, N. Maingi, P. N. Nyaga, P. G. Mbuthia, <b>L. W. Njagi</b> and J. M. Githinji (2013). Seasonal Newcastle disease antibody titer dynamics in village chickens of Mbeere District, Eastern Province, Kenya. <i>Livestock Research for Rural Development</i> 25 (10), <a href="http://www.lrrd.org/lrrd25/10/kemb25181.htm">http://www.lrrd.org/lrrd25/10/kemb25181.htm</a>
27.	Sabuni, Z.A., P. G. Mbuthia, N. Maingi, P. N. Nyaga, <b>L. W. Njagi</b> , L. C. Bebora and J. N. Michieka (2013). Skin lesions associated with ectoparasitic infestation in indigenous chickens in Eastern province of Kenya. <i>Research Journal of Poultry Sciences</i> , 6 (3): 53-58; <a href="http://medwelljournals.com/abstract/?doi=rjpscience.2013.53.58">http://medwelljournals.com/abstract/?doi=rjpscience.2013.53.58</a>
28.	<b>L.W. Njagi</b> , P. N. Nyaga, L. C. Bebora, P. G. Mbuthia, and U. Minga (2012). Effect of immunosuppression on Newcastle disease virus persistence in ducks with different immune status. <i>ISRN Veterinary Science</i> , doi:10.5402/2012/253809
29.	<b>Njagi, L.W.</b> , Mbuthia, P.G., Nyaga, P.N., Bebora, L.C. and Minga, U.M. (2011). Viral nucleoprotein localization and lesions of Newcastle disease in tissues of indigenous ducks. <i>Tropical Animal Health and Production</i> , <a href="http://www.springerlink.com/openurl.asp?genre=article&amp;id=doi:10.1007/s11250-011-9958-2">http://www.springerlink.com/openurl.asp?genre=article&amp;id=doi:10.1007/s11250-011-9958-2</a>
30.	P.G. Mbuthia, <b>L.W. Njagi</b> , P.N. Nyaga, L.C. Bebora, U.Minga, Jens Peter Christensen and J.E. Olsen (2011). Time course investigation of infection with a low virulent <i>Pasteurella multocida</i> strain in normal and immune-suppressed 12 week-old free range chickens. <i>Avian Pathology</i> , DOI:10.1080/03079457.2011.623298

31.	Sabuni, Z.A., P. G. Mbuthia, N. Maingi, P. N. Nyaga, <b>L. W. Njagi</b> , L. C. Bebora and J. N. Michieka (2011). Prevalence of haemoparasites infection in indigenous chicken in Eastern Province of Kenya. <i>Livestock Research for Rural Development</i> , <a href="http://www.lrrd.org/lrrd23/11/sabu23238.htm">http://www.lrrd.org/lrrd23/11/sabu23238.htm</a>
32.	Sabuni, Z.A., P. G. Mbuthia, N. Maingi, P. N. Nyaga, <b>L. W. Njagi</b> , L. C. Bebora and J. N. Michieka (2011). Prevalence of ectoparasites infestation in indigenous free-ranging village chickens in different agro-ecological zones in Kenya. <i>Livestock Research for Rural Development</i> , <a href="http://www.lrrd.org/lrrd22/11/sabu22212.htm">http://www.lrrd.org/lrrd22/11/sabu22212.htm</a>
33.	Kutto, E.K., Ngigi, M.W., Karanja, N., Kange“the, E., Bebora, L.C., Lagerkvist, C.J., Mbuthia, P.G., <b>Njagi, L.W.</b> and Okello, J.J. (2011). Bacterial contamination of kale ( <i>Brassica oleracea acephala</i> ) along the supply chain in Nairobi and its environment. <i>East African Medical Journal</i> , 88: 46 – 53.
34.	<b>Njagi, L.W.</b> , Nyaga, P.N., Mbuthia, P.G., Bebora, L.C., Michieka, J.N., and Minga, U.M. (2010). A retrospective study of factors associated with Newcastle disease outbreaks in village indigenous chickens. <i>Bulletin of Animal Health and Production in Africa</i> , 58(1). <a href="http://ajol.info/index.php/bahpa">http://ajol.info/index.php/bahpa</a>
35.	<b>Njagi, L.W.</b> , Nyaga, P.N., Mbuthia, P.G, Bebora, L.C., Michieka, J.N., J.K. Kibe, and Minga, U.M (2010). Prevalence of Newcastle disease virus in village indigenous chickens in varied agro-ecological zones in Kenya. <i>Livestock Research for Rural Development</i> , 22 (5): <a href="http://www.lrrd.org/lrrd22/5/cont2205">http://www.lrrd.org/lrrd22/5/cont2205</a>
36.	<b>Njagi, L.W.</b> , Nyaga, P.N., Mbuthia, P.G, Bebora, L.C., Michieka, J.N., Kibe, J.K. and Minga, U.M (2008). Newcastle disease virus and antibody levels in matched sera, ovules and mature eggs of indigenous village hens. <i>The Kenya Veterinarian</i> , 32: 1-6.
37.	Mbuthia, P.G., <b>Njagi L.W.</b> , Nyaga P.N., Bebora L.C., Minga U.,Kamundia, and Olsen J.E., (2008). <i>Pasteurella multocida</i> in scavenging family chickens and ducks: carrier status, age susceptibility and transmission between species. <i>Avian pathology</i> , 37: 51-57.
38.	Mbuthia, P.G., <b>Njagi L.W.</b> , Bebora L.C., Mugeru, G.M., Ngatia, T.A., Munyua W.K., Nyaga P.N., Minga U., and Olsen J.E., (2007). Preliminary findings on the carrier status of <i>Pasteurella multocida</i> in farmed and traded healthy – appearing scavenging indigenous chickens and ducks in Kenya. <i>The Kenya Veterinarian</i> , 31 (1): 1 -5
39.	Mbuthia, P.G., <b>Njagi L.W.</b> , Nyaga P.N., Bebora L.C., Mugeru, G.M., Minga U., and Olsen J.E., (2007). Hatchability and fertility of indigenous chicken and duck eggs, and some causes of chick and duckling mortality in Kenya. <i>The Kenya Veterinarian</i> , 31: 6 – 13
40.	Bebora, L.C., Thaiya, A.G., Mbuthia, P.G., <b>Njagi, L.W.</b> , Ngatia, T.A. and Nyaga, P.N. (2007). A case of Newcastle Disease in parrots in Nairobi, Kenya. <i>Bulletin of Animal health and production in Africa</i> , 55: 292 – 295.
41.	<b>Njagi, L.W.</b> , P.G. Mbuthia, L.C. Bebora, P.N. Nyaga, U. Minga and J.E. Olsen (2005). A study of effectiveness of seven disinfectants against possible bacteria contaminants of coops and premises inhabited by indigenous chickens and ducks. <i>The Kenya Veterinarian</i> , 29: 113 -118
42.	Mbuthia, P.G., <b>L.W. Njagi</b> , L.C. Bebora, P.N. Nyaga, U. Minga and J.E. Olsen (2005). Comparison of the carrier status of <i>P. multocida</i> between farm and live market indigenous birds. <i>The Kenya Veterinarian</i> , 29: 45- 47.
43.	Mbuthia, P.G., <b>L.W. Njagi</b> , L.C. Bebora, P.N. Nyaga, U. Minga and J.E. Olsen (2005). Comparison between fluorescent <i>in situ</i> hybridization (FISH) and culture methods in the

	detection of <i>Pasteurella multocida</i> in organs of indigenous birds. <i>The Kenya Veterinarian</i> , 29: 53 -56
44.	Mbuthia, P.G., <b>L.W. Njagi</b> , L.C. Bebora, P.N. Nyaga, U. Minga and J.E. Olsen (2005). Indigenous ducks are better reservoirs of <i>P. multocida</i> than indigenous chickens. <i>The Kenya Veterinarian</i> , 29: 104 – 106.
45.	Bebora, L.C., P.G. Mbuthia, J.M., Macharia, G. Mwaniki, <b>L.W. Njagi</b> , P.N. Nyaga, (2005). Appraisal of the village chickens potential in egg production. <i>The Kenya Veterinarian</i> , 29: 10 - 13
46.	<b>Njagi, L.W.</b> , P.G. Mbuthia, L.C. Bebora, P.N. Nyaga, U. Minga and J.E. Olsen (2004). Carrier Status for <i>Listeria monocytogenes</i> and other <i>Listeria species</i> in free range farm and market Healthy indigenous chickens and ducks. <i>East African Medical</i> 81(10): 529 – 533
47.	<b>Njagi, L.W.</b> , P.G. Mbuthia, L.C. Bebora, P.N. Nyaga, U. Minga and J.E. Olsen (2004). Sensitivity of <i>Listeria species</i> , recovered from indigenous chickens to antibiotics and disinfectants. <i>East African Medical Journal</i> , 81 (10): 534– 537

## 16.0 SCIENTIFIC PAPERS PRESENTED IN CONFERENCES

1.	Joseph M. Ndegwa <sup>1</sup> , <b>Lucy W. Njagi</b> <sup>1</sup> , Isaac R. Mulei <sup>1</sup> , Philip N. Nyaga <sup>1</sup> , Daniel W. Wanja <sup>2</sup> , Shima E. Ali <sup>4</sup> , Jérôme Delamare-Deboutteville <sup>5</sup> <i>et al.</i> (2024). Characterization and Antibiotic Susceptibility of <i>Aeromonas</i> isolate recovered from an aquaculture farm with high fish mortality in Kenya. Annual International Faculty of Veterinary Medicine Scientific Conference and Community Outreach held on 30 <sup>th</sup> October to 1 <sup>st</sup> November 2024 at the FVM Upper Kabete Campus
2.	Allan Ragi Maina, Isaac R. Mulei and Lucy W. Njagi <sup>1</sup> (2024). A One –Health Approach to Snakebite Intervention in Kenya. Annual International Faculty of Veterinary Medicine Scientific Conference and Community Outreach held on 30 <sup>th</sup> October to 1 <sup>st</sup> November 2024 at the FVM Upper Kabete Campus
3.	Khaseke N. Cidee <sup>*</sup> , <b>Njagi W. Lucy</b> , Mbindyo M. Christine, Nyaga N. Philip, Delamare-Deboutteville J., Ali E. Shima and Tavornpanich Saraya (2023). Physicochemical Parameters and Water Microbial Load in Different Kenyan Aquaculture Production Systems. <i>Aquaculture Africa</i> , held in Lusaka, Zambia on November 13 <sup>th</sup> -16 <sup>th</sup> , 2023.
4.	Joseph M. Ndegwa, <b>Lucy W. Njagi</b> , Isaac R. Mulei, Philip N. Nyaga, Daniel W. Wanja, Victor O. Ogweny, Merceline N. Ndambuki, Shima E. Ali, Jérôme Delamare-Deboutteville (2023). Lethal dose and clinicopathological findings associated with <i>Aeromonas veronii</i> biovar <i>sobria</i> recovered from an aquaculture farm with high fish mortality in Kenya. <i>Aquaculture Africa</i> , held in Lusaka, Zambia on November 13 <sup>th</sup> -16 <sup>th</sup> , 2023.
5.	Mercy Hamisi, Christine Mbindyo, <b>Lucy Njagi</b> , Daniel Wanja, Phillip Nyaga, Robert Waruiru, Paul Mbuthia, Ali Shima, Jerome Delamare and Saraya Tavornpanich (2023). Preliminary study of Potential Pathogenic and Zoonotic bacteria from farmed and wild <i>Oreochromis jipe</i> and source water in Taita-Taveta County, Kenya. <i>Aquaculture Africa</i> , held in Lusaka, Zambia on November 13 <sup>th</sup> -16 <sup>th</sup> , 2023.
6.	Mercy M. Hamisi, Christine M. Mbindyo, <b>Lucy W. Njagi</b> , Daniel W. Wanja, Phillip N. Nyaga, Robert M. Waruiru, George A. Dimbu, Paul G. Mbuthia, Ali Shima, Jerome Delamare and Saraya Tavornpanich (2023). Occurrence of bacterial infections in different sizes of <i>Oreochromis jipe</i> under different climatic and physio-chemical environments in Taita-Taveta County. Annual International Faculty of Veterinary Medicine Scientific Conference and Community Outreach held on 25 <sup>th</sup> to 28 <sup>th</sup> October 2023 at the FVM Upper Kabete Campus

### Curriculum Vitae – Dr. Lucy W. Njagi



7.	Khaseke N. Cidee <sup>1</sup> , <b>Njagi L.</b> <sup>1</sup> , Mbindyo M. Christine <sup>1</sup> , Nyaga P. <sup>1</sup> , Delamare-Deboutteville J. <sup>2</sup> , Ali E. Shima <sup>2</sup> and Tavornpanich S <sup>3</sup> . (2023). Condition Factor of Fish in Relation to Physio-Chemical and Microbial Water Quality in Ponds in Selected Counties of Kenya. Annual International Faculty of Veterinary Medicine Scientific Conference and Community Outreach held on 25 <sup>th</sup> to 28 <sup>th</sup> October 2023 at the FVM Upper Kabete Campus
8.	Corazon N. Njung'e, Njagi, L.W, Mulei, I. R (2023). Causes and Distribution of Pig Mortality in Nairobi Metropolitan, Kenya. Annual International Faculty of Veterinary Medicine Scientific Conference and Community Outreach held on 25 <sup>th</sup> to 28 <sup>th</sup> October 2023 at the FVM Upper Kabete Campus.
9.	Kamundia, P.W., P.G. Mbuthia, L.W. Bebora, <b>Njagi L.W.</b> , Nyaga P.N., and Mdegela, R. H. 2021. Use of qualitative and semi-quantitative histopathology assessment of water pollution and infection in <i>Oreochromis niloticus</i> of Lake Victoria. Kenya Veterinary association's 54 <sup>th</sup> Annual Scientific conference held at the Sandies tropical village hotel, Malindi, Kilifi County on 28th September 2021.
10.	Murugami J.W., Maina K.W., Waruiru R.M., Mbuthia P.G., Thayah A.G., <b>Njagi L.W.</b> , Ngowi H.A., Nzalawahe J. & Mdegela R.H., 2017. Prevalence and risk factors associated with parasitic infections of farmed fish in central Kenya. In: <i>Proc. of the Joint KVA, CVA &amp; UoN-FVM International Scientific Conference held at the Safari Park Hotel, Nairobi, Kenya, April 26-28</i> , ID no 66, p.57
11.	Maina K.W., J.W. Murugami, R.M. Waruiru, P.G. Mbuthia, A.G. Thaiyah, <b>L.W. Njagi</b> , H.A. Ngowi, J. Nzalawahe, R.H. Mdegela. 2016. Management Practices and Constraints of Fish Farming in Kiambu and Counties, Kenya. In, the 1st Eastern Africa Aquaculture Symposium and Exhibition (EAASE) 2016, held at African Institute for Capacity Development (AICAD), Kiambu, Kenya on 23 <sup>rd</sup> –25 <sup>th</sup> November 2016 (Abstract No 16)
12.	Bwana MO, Njagi LW, Nyaga P.N <sup>1</sup> , Mbuthia P.G <sup>1</sup> , Bebora L.C <sup>1</sup> , Mutinda, W.U. <sup>2</sup> , and Kitala, P.M <sup>3</sup> (2016). Growth Promotive Effects of Neem and Stinging Nettle in Indigenous Chickens in Kenya. Presented at the fifth RUFORUM Biennial Conference and African Higher Education Week, held on 17 <sup>th</sup> to 21 <sup>st</sup> October, 2016 at Cape town.
13.	Wahome, M.W., Njagi, L.W., Nyaga, P.N., Mbuthia, P.G., Bebora, L.C., Bwana, M.O., Mutinda, W.U., Kitala, P.M (2016). Farmer Practices likely to Promote Spread and Persistence of Infectious Bursal Disease in Indigenous Village Chicken in Kenya. Presented at the fifth RUFORUM Biennial Conference and African Higher Education Week, held on 17 <sup>th</sup> to 21 <sup>st</sup> October, 2016 at Cape town.
14.	Chege H W, D C Kemboi, L C Bebora, N Maingi, P G Mbuthia, P N Nyaga, <b>L W Njagi</b> and J Githinji. 2014. Seasonality of ecto- and –endoparasites in indigenous chicken of Mbeere Sub-county, Kenya. Presented at the 9 <sup>th</sup> Biennial Scientific Conference, theme 'Enhancing Livelihood through Improvement in Animal Health and Production in a Changing Environment', held on 3 <sup>rd</sup> to 5 <sup>th</sup> September 2014 at the FVM Upper Kabete Campus (Abstract No. 03-2)

15.	Miheso K O, Mbuthia P G, <b>Njagi L W</b> , Karanja D N, Gathumbi P K, Mwangangi D.M., Shah D N, Wanjohi C W and Murithi M R (2014). Retrospective study of avian leucosis in chicken in Nairobi and its environs. Presented at the 9 <sup>th</sup> Biennial Scientific Conference, theme ‘Enhancing Livelihood through Improvement in Animal Health and Production in a Changing Environment’, held on 3 <sup>rd</sup> to 5 <sup>th</sup> September 2014 at the FVM Upper Kabete Campus (Abstract No. 03-12)
16.	Chege, H.W., D.C.Kemboi, L.C. Bebora, N. Maingi, P.G. Mbuthia, <b>L.W. Njagi</b> , P.N. Nyaga, Githinji J.M. Efficacy of piperazine citrate, levamisole hydrochloride and albendazole in the treatment of chickens naturally infected with gastrointestinal helminths, 47th Kenya Veterinary Association (KVA) annual Scientific conference held in White sand hotel, Mombasa, Kenya, 2013
17.	Kemboi, D.C., H.W. Chege, L.C. Bebora, N. Maingi, P.N. Nyaga, P.G. Mbuthia, <b>Njagi L.W.</b> , Githinji J.M. Effect of parasite control on Newcastle disease vaccination response in free-ranged family chicken in Eastern province, Kenya, 47th Kenya Veterinary Association (KVA) annual Scientific conference held in Whitesands hotel, Mombasa, Kenya, 2013
18.	Bebora L.C., Maingi N, Nyaga P.N., Mbuthia P.G., <b>Njagi L.W.</b> , Githinji, J.K., Kemboi, D.C. and Chege, H.W. Severe parasitism-a hindrance to effective Newcastle disease control in village chickens, September. 3rd RUFORUM Conference, Entebbe, Uganda, 2012
19.	Chege, H.W., D.C.Kemboi, L.C. Bebora, N. Maingi, P.G. Mbuthia, P.N. Nyaga, <b>Njagi L.W.</b> , Githinji J.M. Prevalence of ecto and endo parasites in free-range chickens in Mbeere District, Eastern Province, Kenya, September. 3rd RUFORUM Conference, Entebbe, Uganda, 2012.
20.	Kemboi, D.C., H.W. Chege, L.C. Bebora, N. Maingi, P.N. Nyaga, P.G. Mbuthia, <b>Njagi L.W.</b> , Githinji J.M. 2012. Seasonal Newcastle disease antibody titres in village chicken of Mbeere District, Eastern Province, Kenya, September. 3rd RUFORUM Conference. , Entebbe, Uganda, 2012
21.	Kyalo, M.M., P.G.Mbuthia, N.Maingi, P.N.Nyaga, <b>L.W.Njagi</b> , M.N.Mutune, R.O. Otieno, J.M. Gachoka, P.L.M. Msoffe and D.Bunn. Occurrence and lesions associated with <i>Echnostoma revolutum</i> in free-range indigenous chickens in Kenya. Biennial FVM scientific conference and the 46th KVA annual scientific conference held in Safari park hotel, Nairobi, Kenya, 2012.
22.	Mavuti, S.K., P.G. Mbuthia, R.M. Waruiru, <b>L.W.Njagi</b> , M.N.Mutune, R.O. Otieno and P.L.M. Msoffe. Prevalence of haemoparasites in free-range local ducks. Biennial FVM scientific conference and the 46th KVA annual Scientific conference held in Safari park hotel, Nairobi, Kenya, 2012
23.	Mavuti,S.K., P.G. Mbuthia, R.M. Waruiru, <b>L.W.Njagi</b> , M.N.Mutune, R.O. Otieno and P.L.M. Msoffe. Prevalence and pathology of <i>Echidnophaga gallinacean</i> in freerange local ducks. Biennial FVM scientific conference and the 46th KVA annual Scientific conference held in Safari park hotel, Nairobi, Kenya, 2012
24.	Cooper, J.E., Cooper, M.E., Nyaga, P.N., Gathumbi, P.K., Mbuthia, P.G., <b>Njagi, L.W.</b> and Githigia, S.M. Veterinary forensic medicine: an emerging and important discipline. Biennial FVM scientific conference and the 46th KVA annual scientific conference held in Safari park hotel, Nairobi, Kenya, 2012

25.	Gitonga, N.P., <b>Njagi, L.W.</b> and Wasike, R.P. Kidney failure due to uterine stump pyometra in a five year old female cross breed dog. Biennial FVM scientific conference, 2010
26.	Kamundia, P.W., Mbuthia, P.G., Waruiru, R.M., <b>Njagi, L.W.</b> , Nyaga, P.N., Mdegela, R.H., Byarugaba, D.K. and Otieno, R.O. Trypanosoma infection in carrier fish of Lake Victoria, Kenya. Biennial FVM scientific conference, 2010.
27.	Kamundia, P.W., Mbuthia, P.G., Waruiru, R.M., <b>Njagi, L.W.</b> , Nyaga, P.N., Mdegela, R.H., Byarugaba, D.K. and Otieno, R.O. Some pathological changes in Nile Tilapia and Nile Perch from Lake Victoria. Biennial FVM scientific conference, 2010.
28.	Bebora, L.C., <b>Njagi, L.W.</b> , Mbuthia, P.G. and Nyaga, P. N. Importance of environmental hygiene in reducing bacterial load exposure to night – housed indigenous chickens. Biennial FVM scientific conference, 2008.
29.	Bebora, L.C., <b>Njagi, L.W.</b> , Mbuthia, P.G. and Kariuki, D.I. Various manifestations of ovarian carcinoma and Marek’s disease / leucosis complex in chickens: Case reports. Biennial FVM scientific conference, 2008
30.	Kibe, J.K., Nyaga, P.N., Ngeranwa, J.N., Mbithi, J.N., <b>Njagi, L.W.</b> , Gitari, R.N., Mutune, M., Michieka, J. and Munene, A.K. An invitro study of some factors that may influence changes of virulence for Newcastle disease virus. Biennial FVM scientific conference, 2008
31.	Mbuthia, P.G., Bebora, L.C., Mwaniki, G., Sourou, S.Y., <b>Njagi, L.W.</b> and Mutune, M. Myopathy and parasitism in a guinea fowl: A case report. Biennial FVM scientific conference, 2008
32.	Mbuthia, P.G., Bebora, L.C., Mwaniki, G., <b>Njagi, L.W.</b> and Mutune, M. Histomoniasis and traumatic gastritis (Hardware disease) in peacocks: Case Reports. Biennial FVM scientific conference, 2008
33.	<b>Njagi, L.W.</b> , Mbuthia, P.G. , Nyaga, P.N., Bebora, L.C., Michieka, J.N. and U.M. Minga. Localization of Newcastle disease viral nucleoprotein in the tissues of carrier ducks. Biennial FVM scientific conference, 2008
34.	Sabuni, Z.A., Mbuthia, P.G., Maingi, N., Nyaga, P.N., <b>Njagi, L.W.</b> , Bebora, L.C. and Michieka, J.N. Prevalence of ectoparasites in indigenous chickens in two agro – ecological zones, Eastern province, Kenya. Annual KVA scientific conference held in Golf hotel, Kakamega, Kenya, 2008
35.	Sabuni, Z.A., Mbuthia, P.G., Maingi, N., Nyaga, P.N., <b>Njagi, L.W.</b> , Bebora, L.C. and Michieka, J.N. Prevalence of hemoparasites in indigenous chickens in Eastern province, Kenya. A paper presented at the KVA annual scientific conference held in Golf hotel, Kakamega, Kenya, 2008
36.	Mbuthia, P.G, <b>Njagi, L.W.</b> , Nyaga, P.N., Michieka, J.N., Bebora, L.C., R.O.Otieno, Minga, U.M, and J. E. Olsen. Preliminary study of <i>Tetrameres species</i> infestations in different age groups of village free – range chickens in Embu and Mbeere districts, Kenya. Biennial FVM scientific conference, 2006
37.	<b>Njagi, L.W.</b> , Nyaga, P.N., Mbuthia, P.G., Bebora, L.C., Michieka, J.N., Minga, U.M, and J. E. Olsen. The risk factors associated with Newcastle disease occurrence in indigenous free – range chickens in Embu and Mbeere districts, Kenya. Biennial FVM scientific conference, 2006



38.	Mbuthia, P.G., <b>L.W. Njagi</b> , P. N. Nyaga, L.C. Bebora, G.M. Mugeru, U. Minga, and J.E.Olsen. Comparison between fluorescent <i>in situ</i> hybridization (FISH) and culture methods in the detection of <i>Pasteurella multocida</i> in organs of indigenous birds. Biennial FVM scientific conference, 2004
39.	Mbuthia, P.G., <b>L.W. Njagi</b> , P. N. Nyaga, L.C. Bebora, G.M. Mugeru, U. Minga, and J.E.Olsen. Ease of transmitting <i>P.multocida</i> between indigenous chickens and ducks through contact transmission. Biennial FVM scientific conference, 2004
40.	Mbuthia, P.G., P.N. Nyaga, L.C. Bebora, <b>L.W. Njagi</b> , U. Minga and J.E. Olsen. Ducks in rural and semi – urban poultry production. Paper presented in the National workshop on “Use of research results in the development of smallholder poultry projects,” held at ILRI, Nairobi, Kenya, on 29th – 30th October, 2003
41.	Mbuthia, P.G., <b>L.W. Njagi</b> , P.N. Nyaga, L.C. Bebora, U. Minga and J.E. Olsen. Clinical signs of fowl cholera in experimental immunosuppressed and nonimmunosuppressed Kenyan indigenous chickens and ducks. A paper presented at the Kenya veterinarian association annual general meeting and scientific conference held in Nomad palace, Garissa, Kenya, 2003
42.	Mbuthia, P.G., <b>L.W. Njagi</b> , L.C. Bebora, G.M. Mugeru, P.N. Nyaga, U. Minga and J.E. Olsen. Hatchability and fertility of indigenous chicken and duck eggs, and some causes of chick and duckling mortality in Kenya. Biennial FVM scientific conference, 2002.
43.	Mbuthia, P.G., <b>L.W. Njagi</b> , L.C. Bebora, G.M. Mugeru, T.A. Ngatia, W.K. Munyua, P.N. Nyaga, U. Minga and J.E. Olsen. Preliminary findings on the carrier status of <i>Pasteurella multocida</i> in farmed and traded healthy – appearing scavenging indigenous chickens and ducks in Kenya. Biennial FVM scientific conference, 2002
44.	Nyaga,P.N., <b>L.W. Njagi</b> , L.C. Bebora, P.G. Mbuthia, M.R.S. Mlozi, U. Minga and J.E. Olsen. Productivity of local scavenging ducks under village management conditions in Kenya. Biennial FVM scientific conference, 2002.

## 17.0 BOOK PUBLISHED

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Msoffe P. L. and C. Cardona. 2009. Poultry Disease Handbook for Africa. Published by The Global Livestock Collaborative Research Support Program. Contributed in the book

## 18.0 OTHER UNIVERSITY RESPONSIBILITIES

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- Acting Chairperson, Department of Vet. Pathology, Microbiology and Parasitology (July 21, 2024 to August 4, 2024)
- Acting Chairperson, Department of Vet. Pathology, Microbiology and Parasitology (February 19, 2024 to March 20, 2024)
- Departmental Seminars and Conferences committee member (March 21, 2023 to date)
- Departmental JPM 555 Review Ad hoc committee member (March 21, 2023 to date)

## Curriculum Vitae – Dr. Lucy W. Njagi

- Departmental Quality Assurance committee member (June 28<sup>th</sup>, 2022 to date)
- Departmental Research, Innovation and Dissemination committee member (June 28<sup>th</sup>, 2022 to date)
- Faculty Postgraduate Studies Committee Acting Chairperson (March to May 2021)
- Programme Development Committee (PDC) of the University Senate member (17<sup>th</sup> November 2021 to 17<sup>th</sup> March 2023)
- Pardon Advisory Committee (PAC) of the University Senate Member (16<sup>th</sup> September, 2020 to December 15<sup>th</sup> 2020)
- Departmental Mentorship Committee member (2016 to date)
- University of Nairobi Senate Representative for Faculty of Veterinary Medicine (2015 to 17<sup>th</sup> March, 2023).
- Gift and Hospitality Policy committee of the University Senate Member (December, 2015 to March, 2016)
- Veterinary Farm Committee member (2013)
- Faculty One health Committee member (2013 to 2015)
- Veterinary Farm Committee member (2013)
- Coordinate: Poultry Diagnostic and Consultancy Services (2012 to date)
- College/Faculty Exhibition Committee member (2011 to February, 2013)
- Biosecurity (for putting up car dips and footpaths) Committee member (2010)
- Faculty Postgraduate Studies Committee member (2009 to date)

## **19.0 COMMUNITY AND NATIONAL SERVICE**

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- Offering Consultancy and Diagnostic services to Poultry farmers
- Offering diagnostic services to Livestock (ruminants, equine, porcine, canine, feline, rabbits, fish) farmers
- Academic staff representative of the Departmental Welfare Association (DWA) Committee, Department of Veterinary Pathology, Microbiology and Parasitology (2019 to date)
- Member of ministerial task force for reviewing Animal welfare policy (2012)
- Member of National Veterinary Vaccine Technical Committee (2011 to 2016)
- I trained Nyanjara fisheries farmers at Kagumori, Embu on Recognition of Fish Diseases recognition and biosecurity issues (16<sup>th</sup> July 2009)

## 20.0 CONSULTANCIES

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- 1) Establishing a novel challenge model for CBPP using a nebulizer and mask'. Consultancy with partnership with International Livestock Research Institute (ILRI) [**1<sup>st</sup> November 2023 to 31<sup>st</sup> December 2023**].
- 2) Training of FCDC veterinary laboratory staff on pathological techniques including poultry necropsy, sample collection, preservation, processing and reporting (15<sup>th</sup> to 26<sup>th</sup> May 2022)
- 3) Training of FCDC veterinary laboratory staff on pathological techniques including poultry necropsy, sample collection, preservation, processing and reporting (14<sup>th</sup> to 25<sup>th</sup> November 2022)
- 4) Training of Turkana County staff on Pathological Techniques (7<sup>th</sup> to 17<sup>th</sup> March 2022)
- 5) Developed poultry biosecurity training manuals (for Kenya and India) for sectors 3 and 4 through Heifer Project International funding from November 2021 to March 2022.
- 6) Training of ILRI staff on poultry handling, inoculation, sample collection and necropsy at the Department of Veterinary Pathology, University of Nairobi, February 25<sup>th</sup> to 27<sup>th</sup>, 2020

## ACADEMIC REFEREES

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