

Academic Staff Profile

Personal Profile

Personal Details

Name: Purity Nyambura Nguhiu Title/Qualification: Ph.D Department: Animal Sciences Designation/Position: Dr/Senior Lecturer Email: nguhiu.purity@ku.ac.ke nguhiupn@gmail.com; Contact Address: Official: P.O. Box 43844- 00100, Nairobi Private: P.O. Box 76033-00508, Nairobi Area of Specialization: - Veterinary Medicine -Medical Parasitology Research Interests: -Zoonosis and one health approach -Food and feed safety Google Scholar: ORCID ID: 0000.0002-1846-1126	
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Academic & Professional Qualifications

YEAR OF GRADUATION	INSTITUTION	QUALIFICATION/CERTIFICATE
2012	Jomo Kenyatta University of Agriculture and Technology, Kenya	PhD in Medical Parasitology and Entomology
2007	Jomo Kenyatta University of Agriculture and Technology, Kenya	MSc in Medical Parasitology and Entomology
1980	University of Nairobi, Kenya	BVM (Bachelor of Veterinary Medicine)
1975	Alliance Girls High School, Kenya	EAACE (East Africa Advanced Certificate of Education): 3 Principals
1973	Alliance Girls High School, Kenya	EACE (East Africa Certificate of Education): Division 1
1969	Tambaya Primary School, Kenya	KCPE (Kenya Certificate of Primary Education)

Employment History

- **Senior Lecturer Kenyatta University**- School of Agriculture and Environmental Sciences- Department of Animal Sciences- September 2019 to present time.

ii. **Full time Lecturer: Kenyatta University-** School of Agriculture and Enterprise Development, Department of Animal Sciences particularly in Animal health discipline from October 2014 to August 2019.

- **Part- time Lecturer:**

Kenyatta University

School of Pure and Applied Science- Biochemistry/ Biotechnology and Zoological Sciences
Departments since 2008 to date

School of Public Health- Department of Environmental and Occupational Health since 2009 to date

Jomo Kenyatta University of Agriculture and Technology

Institute of Tropical Medicine and Infectious Diseases – Laboratory Animal Care and Use for Master of Medical Virology Course

Kenya Methodist University

Medical Laboratory Science - Medical Parasitology and Laboratory Animal Science
Natural Agricultural Resources- Animal Physiology; Animal Ecology and Ethology
for master's programme

University of Eastern Africa, Baraton

School of Public Health- Biology of Food Animals and Principles of Meat Inspection and Hygiene
for undergraduate programme: 2008 to 2016.

iv) Working Experience in the Public Service, Ministry of Agriculture, Livestock and Fisheries

Designations held:

- Senior Assistant Director, -Veterinary Services: 2010 to 2014
(Veterinary Public Health and Vector Control sections)
- Assistant Director, Veterinary Services: 2000 to 2014
- Senior Veterinary Officer: 1995 to 2000
- Veterinary officer I: 1985 to 1995
- Veterinary Officer II: 1980 to 1985

Achievements

- Supervision and successful completion of 1 PhD and 11 MSc Candidates
- - Initiated a Memorandum of Understanding for Collaboration between Kenyatta University and Brooke East Africa which was signed on 19th April 2019- for 5-year period
- Promotion on merit to Senior Lecturer
- Co Principal Investigator in KALRO- Kenya Climate Smart Agricultural Program Adaptive Research Project on Goat Vaccine

Publications

Referred Journals

1.Nguhiu, P.N., Kabuage, L.W., Warutere, P.N., Kabui, K.K. and Kanina, P.M. **(2019)**. Emergence of Cysticercosis, a neglected meat-borne notifiable zoonosis in Thika sub county of Kiambu county, Kenya. *African Journal of Rural Development* 4 (2): 203-209

2. **Purity Nguhui**, Peterson Warutere and David Mbuvi. (2018). Prevalence of *Taenia solium* taeniasis among community members of Kiambu County, Kenya. *International Journal of Innovation, Research and Development*, (ISSN 2278-0221 Online), 7(9): 31-35.
3. **Purity N. Nguhui**, Lucy W. Kabuage and Samuel N. Mwangi. (2018). Prevalence of Porcine Cysticercosis by Lingual Examination in Smallholder Pig Farms in Kiambu, Kenya. *International Journal of Innovative Research and Development* (ISSN 2278- 0211), 7(1): 356- 363.
4. **Purity N. Nguhui** and Obed K. Tum (2017). Infectious Bovine Keratoconjunctivitis (Pinkeye) Infection in a Dairy Cattle Herd in Kenya. *International Journal of Science and Technoledge* (ISSN 2321- 919X) **5** (11): 16-20.
5. **Purity Nguhui**, Lucy Kamau, Kelvin Kinyua and Paul Matonge. (2017). Seroprevalence of Porcine Cysticercosis and Associated Risk Factors in Pigs Slaughtered in Abattoirs in Thika, Kiambu County, Kenya. *Journal of Life Sciences* (ISSN 1934- 7391(Print) 1943-7405 (Online) 11: 321-326.
6. **Purity N Nguhui**, Claire N Wamae, Japheth K Magambo, Paul G Mbuthia, Daniel C Chai, Dorcas S Yole (2012): Gross and Histopathological findings in *Cercopithecus aethiops* with experimental *Cyclospora* infection in Kenya. *Pathology and Laboratory Medicine International*, **4**: 13-20.
7. **Purity N. Nguhui**, Claire N. Wamae, Japheth.K. Magambo & Dorcas. S. Yole (2012). Haematological and Serological Findings in *Cercopithecus aethiops* (African green monkeys) with *Cyclospora* Infections in Kenya. *International Journal of Professional Practice*, 4 (1&2): 122-131.
8. **Nguhui PN**, Wamae CN, Magambo JK, Yole DS. (2012): The African Green Monkey (*Cercopithecus aethiops*) as a non-human primate model for infections with *Cyclospora cayetaensis*. *The Kenya Veterinarian*, **36** (1): 36-48. ISBN: 0256-5161.
9. **PN Nguhui**, CN Wamae, JK Magambo, DS Yole (2011): Prevalence and Intensity of Gastrointestinal parasites in wild-trapped *Papio anubis* and *Cercopithecus aethiops* in Kenya. *The Kenya Veterinarian*, **35** (1): 33-46. ISBN: 0256-5161.
10. **PN Nguhui** HC Kariuki, JK Magambo, J Mwatha, G Kimani, E Muchiri, B Vernavegald, W Dunne, G Mkoji, (2009). Polyparasitism in a rural community in Kibwezi area, Kenya. *East African Medical Journal*, **86**: (6) 272-278.

Books and Books Chapters

-Books

1. Dr Ruth Kirinyet, Dr Peterson Warutere, **Dr Purity Nguhui**. (2023). Aflatoxin the Silent Killer LAP LAMPERT Academic Publishing, Dodo Indian Ocean Ltd and OmniScriptum S.R.L Publishing Group. ISBN 978-620-6-18041-8
2. **Dr Purity Nguhui**, Dr Peterson Warutere and Dr Charles Makori. (2020). Meat Inspection Practice in Nairobi City County, Kenya. A practical guide for establishment of slaughterhouses, monitoring meat hygiene and assessment of safety of workers. LAP LAMPERT Academic Publishing, Beau Bassin, Mauritius. ISBN 978-620-2-55511-1.
3. **Purity Nguhui**, Dorcas Yole and Japheth Magambo (2017). Intestinal Protozoa: Human Cyclosporiasis, emerging foodborne zoonosis. The African Green Monkey Model. Noor Publishing, beau Bassin, Mauritius, International Book Market Service Ltd., OmniScriptum Publishing Group. ISBN 978-330-96907-0

Book Chapters

1. **Nguhui Purity N.** (1996). Ethnoveterinary Medicine in Kenya. A field manual of traditional animal health care practices. ITDG and IIRR, 1996 Nairobi Kenya. ISBN 9966- 9606 -2-7. Papers presented included: Anthrax, Brucellosis, Cysticercosis, Hydatid disease, Milk fever, Tetanus, and Zoonoses.

Conference/Workshops/Seminar Papers

Conference Papers

- F. Ouya, **P. Nguhiu**, E. Bett, M. Mwirigi, J. Mutua, S. Makokha, H. Lutta and W. Adero. Agro-pastoralists' willingness to pay for Contagious Caprine Pleuropneumonia vaccine in Kenya. 6th Africa Animal Welfare Conference, Gaborone, Botswana. 31st October to 2nd November 2022
- **Nguhiu Purity**, Kabuage Lucy, Warutere Peterson, Kabui Kelvin and Kanina Powell. Collaborative research approach for control of emerging neglected zoonotic diseases in Kiambu County, Kenya, Biennial Research and Innovation Conference, 22nd to 24th October 2019 at BSSC, Kenyatta University, Nairobi, Kenya.
- C.M Makori, P.N. Warutere, **P. Nguhiu**. Assessment of compliance level to food safety standards in slaughterhouses and meat processing plants in Nairobi City County, Kenya. First Food Safety Conference, 10th to 14th May 2019, at Kenyatta University BSSC, Nairobi, Kenya.
- **Nguhiu PN**, Kabuage Warutere PN, Kabui KK and Kanina PM. (2018). Emergence of Cysticercosis, a neglected meat-borne notifiable zoonosis in Thika sub-County of Kiambu County, Kenya. Sixth Higher Education Week and RUFORUM Biennial Conference, 22nd to 26th October 2018, Kenyatta International Convention Centre, Nairobi, Kenya.
- **Nguhiu PN**, Kabuage Warutere PN, Kabui KK and Kanina PM. (2018). Emergence of Cysticercosis, a neglected meat-borne notifiable zoonosis in Thika sub-County of Kiambu County, Kenya 52nd Kenya Veterinary Association Annual Scientific Conference, 25th to 27th April 2018, Green Hills Hotel, Nyeri, Kenya.
- **Nguhiu P**, Kinyua K. Kamau L and Matonge P. (2017). Seroprevalence of porcine cysticercosis in abattoirs in Thika, Kiambu County, Kenya. 51st Kenya Veterinary Association Annual Scientific Conference, 26th to 28th April 2017, Safari Park Hotel, Nairobi.
- **Purity Nguhiu** and Obed Tum (2016). Infectious Bovine Keratoconjunctivitis (Pinkeye) Infection in a Dairy Cattle Herd in Kenya. 2nd Biennial School of Agriculture and Enterprise Development International Conference, Kenyatta University, November 29 to 2nd December 2016
- **Purity Nguhiu**. (2015). Association of Cyclospora- SIV in Non-Human Primates in Kenya. 49th Kenya Veterinary Association Annual Scientific Conference, 22nd to 25th April 2015, Itoya Hotel, Busia, Kenya.
- Peter Gatongi, **Purity Nguhiu** & Agnes Maina. (2014). Human Brucellosis: An Investigation of Knowledge and Practices in a Rural Community in Kajiado County, Kenya. TUAB037- Oral Presentation. AMREF Health Africa International Conference, 24th to 26th November 2014, Safari Park Hotel, Nairobi, Kenya
- **Purity Nguhiu** and Obed Tum (2016). Infectious Bovine Keratoconjunctivitis (Pinkeye) Infection in a Dairy Cattle Herd in Kenya. 2nd Biennial School of Agriculture and Enterprise Development International Conference, Kenyatta University, November 29 to 2nd December 2016
- **Purity Nguhiu**. (2015). Association of Cyclospora- SIV in Non-Human Primates in Kenya. 49th Kenya Veterinary Association Annual Scientific Conference, 22nd to 25th April 2015, Itoya Hotel, Busia, Kenya
- Peter Gatongi, **Purity Nguhiu** & Agnes Maina. (2014). Human Brucellosis: An Investigation of Knowledge and Practices in a Rural Community in Kajiado County, Kenya. TUAB037- Oral Presentation. AMREF Health Africa International Conference, 24th to 26th November 2014, Safari Park Hotel, Nairobi, Kenya.

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Workshops Papers

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Seminar Papers

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Student Co-authored Publications

Fredrick Ochieng Ouya, Eric Bett, **Purity Nguhiu**, Stella Makokha, Harrison Lutta , Willis Adero Abwao, and Martin Mwirigi. (2023). Determinants of agro-pastoralists' willingness to pay for improved contagious caprine pleuropneumonia vaccine in Kenya. Ouya et al. Pastoralism (2023) 13:19 <https://doi.org/10.1186/s13570-023-00282-8> RESEARCH Open Access © The Author(s) 2023. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>. Pastoralism: Research, Policy and Practice

Kirinyet Ruth Chepkosgei, Warutere Peterson Njogu, **Nguhiu Purity**, Ojola Patroba , Kirinyet Joel, Koskei Peter Ndiritu, Alex Karuiru. (2023). Aflatoxin Bioaccumulation in Broiler Chicken Meat and Organs from Selected Farms in Nairobi City County, Kenya. IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS) e-ISSN: 2319-2380, p-ISSN: 2319-2372. Volume 16, Issue 3 Ser. I (March. 2023), PP 17-29 www.iosrjournals.org

Kirinyet Ruth Chepkosgei, Warutere Peterson Njogu, **Nguhiu Purity**, Ojola Patroba , Kirinyet Joel, Peter Ndiritu, Alex Karuiru, Saitabau Arthur Ngetich. (2023). Carry Over Effect of Aflatoxin from Broiler Feed to Broiler Meat and Organs in Chicken raised in Nairobi City County, Kenya IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402,p- ISSN: 2319-2399.Volume 17, Issue 3 Ser. II (March 2023), PP 07-15 www.iosrjournals.org

Kirinyet Ruth Chepkosgei, Warutere Peterson Njogu, **Nguhiu Purity** , Ojola Patroba, and Kirinyet Joel. (2023) Analysis of Aflatoxin Levels in Broiler Chicken Feed from Selected Farms in Nairobi City County, Kenya. European Journal of Nutrition & Food Safety Volume 15, Issue 2, Page 44-52, 2023; Article no.EJNFS.97474 ISSN: 2347-5641

Kirinyet Ruth Chepkosgei, Warutere Peterson Njogu, **Nguhiu Purity** , Ojola Patroba , Kirinyet Joel, and Koskei Peter. (2023). Determination of Knowledge Based on Aflatoxin Poisoning among Broiler Farmers in Nairobi City County, KenyaMicrobiology Research Journal International Volume 33, Issue 2, Page 8-24, 2023; Article no.MRJI.98440 ISSN: 2456-7043 (Past name: British Microbiology Research Journal, Past ISSN: 2231-0886, NLM ID: 101608140)

John O. Owaga, **Purity N. Nguhiu**, Isaac M. Osuga. (2023). Effects of Feeding Rumen Protected Methionine on Milk Production, Resistance to Mastitis and Cost Effectiveness in Holstein Friesians in Kenya. IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS) e-ISSN: 2319-2380, p-ISSN: 2319-2372. Volume 16, Issue 2 Ser. I (February. 2023), PP 01-09 www.iosrjournals.org

Fredrick Ochieng Ouya, Eric Bett, **Purity Nguhui**, Stella Makokha & Martin K Mwirigi (2022). Agro pastoralists' awareness and knowledge on contagious caprine Pleuropneumonia in two selected counties in Kenya, *Cogent Food & Agriculture*, 8:1, 2140472, DOI: 10.1080/23311932.2022.2140472. Published online: 01 November 2022.

Thiakunu, F. K., Njehia, K., **Nguhui, P.**, & Arimi, J. (2022). Effects of camel feed supplementation on milk yields and composition during early pregnancy period. *African Journal of Science, Technology and Social Sciences*, 1(1). <https://doi.org/10.58506/ajstss.v1i1.28>

Ngazi Chaari Gabriel, Prof. Lucy Kabuage, Dr. **Purity Nguhui** and Prof. Charles Gachuri (July 2021). Effects of Guanidinoacetic Acid Supplementation in Broiler Chicken Diet on Carcass Characteristics *Int. J. Adv. Res.* 9(07), 408-415 ISSN: 2320-5407 Article DOI:10.21474/IJAR01/13140

DOI URL: <http://dx.doi.org/10.21474/IJAR01/13140>

J. Kariuki, W. Ogara, **P. Nguhui** and N. Gitahi. (2020). Assessment of Antimicrobial Resistance Profiles of *Campylobacter* spp in Commercial Broiler Production Systems in Kenya. *International Journal of Poultry Science*, Volume 19 (10): 467-476. DOI: 10.3923/ijps.2020:467-476.

Ketente Gedion Kipaya, **Dr. Purity Nguhui**, Dr. Leonard Munga. (2020). Social Economic Factors Influencing Adoption of Improved Livestock Farming Practices among Members of Livestock Cooperatives in Kajiado County, Kenya. *World Journal of Innovative Research (WJIR)* ISSN: 2454-8236, Volume-8, Issue-3, March 2020 Pages 01-09. Available at: <https://www.wjir.org/vol/vol-8issue-3>

Nguhui, P.N., Kabuage, L.W., Warutere, P.N., Kabui, K.K. and Kanina, P.M. (2019). Emergence of Cysticercosis, a neglected meat-borne notifiable zoonosis in Thika sub county of Kiambu county, Kenya. *African Journal of Rural Development* 4 (2): 203-209. Apr. 2020. ISSN 2415-2838. Available at: <https://www.afjrd.org/jos/index.php/afjrd/article/view/775/199>

J. Kariuki, W. Ogara, **P. Nguhui** and N. Gitahi. (2020). Assessment of Antimicrobial Resistance Profiles of *Campylobacter* spp. in Commercial Broiler Production Systems in Kenya. *International Journal of Poultry Science*, 19: 467-476. DOI: [10.3923/ijps.2020.467.476](https://doi.org/10.3923/ijps.2020.467.476) URL: <https://scialert.net/abstract/?doi=ijps.2020.467.476> <https://scialert.net/abstract/?doi=ijps.2020.467.476>

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Other Publications

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Research

- - Enhancing Goat Market in Kajiado and Taita-Taveta Counties through improved Contagious Caprine Pleuropneumonia vaccine and diagnostics
- Emergence of Cysticercosis, a Neglected Meat-Borne Notifiable Zoonosis in Thika Sub County of Kiambu County, Kenya.
- Human Cyclosporiasis: Development of a laboratory model using non nonhuman primates.
- Poly parasitism in a rural community that has high prevalence of schistosomiasis.

Funded Projects

- KCSAP CGS/CRGs-AD 2019/CSLA/02: CLIMATE SMART LIVESTOCK & AQUACULTURE – Enhancing Goat Market in Kajiado and Taita-Taveta Counties through improved Contagious Caprine Pleuropneumonia vaccine and diagnostics
- Brooke East Africa - Integration of Donkeys in Kenyatta University Agricultural Teaching Farms
- KU Vice Chancellor's Research Grant 2016 on Emergence of Cysticercosis, a Neglected Meat-Borne Notifiable Zoonosis in Thika Sub County of Kiambu County, Kenya.
- Fodder Standard Development, April 30th to 4th May 2018, Machakos, Kenya
- East African Regional Harmonization Meeting for Animal feeds and feedstuffs, 20-24 November 2017, Nairobi, Kenya

Conferenced/Workshops/Seminars Attended

Conferences Attended

- - Kenyatta University Biennial Research and Innovation Conference (KUBRIC), 22nd to 24th October 2019 at BSSC, Kenyatta University, Nairobi, Kenya
- 3rd Africa Animal WELFARE Conference, 2nd to 4th September 2019, UNECA, Addis Ababa, Ethiopia
- First Food Safety Conference, 10th to 14th May 2019, at Kenyatta University BSSC, Nairobi
- Sixth Higher Education Week and RUFORUM Biennial Conference, 22nd to 26th October 2018, Kenyatta International Convention Centre, Nairobi, Kenya.
- Africa Animal Welfare Conference 2018, 3rd to 5th September 2018, United Nations Complex, Nairobi, Kenya
- 52nd Kenya Veterinary Association Annual Scientific Conference, 25th to 27th April 2018, Green Hills Hotel, Nyeri, Kenya.
- Africa Animal Welfare Conference – Action 2017, 2nd to 4th October 2017, United Nations Complex, Nairobi, Kenya
- 51st Kenya Veterinary Association Annual Scientific Conference, 26th to 28th April 2017, Safari Park Hotel, Nairobi.
- 2nd Biennial School of Agriculture and Enterprise Development International Conference, Kenyatta University, November 29 to 2nd December 2016
- Status Conference on the Higher Education, August 22nd to 26th 2016, Kenyatta University
- 49th Kenya Veterinary Association Annual Scientific Conference, 22nd to 25th April 2015, Itoya Hotel, Busia, Kenya.

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Workshops Attended

- Virtual Training Workshop on Scientific Writing Part I: Scientific Paper Writing for Publication in Refereed Journal 28th - 30th June 2022, Organised by KALRO

-Kenyatta University Graduate School 45 Th Postgraduate Webinar For Ph.D. Graduands
Programme Venue: Virtual Friday 7 Th July, 2023 (8.15 a.m. – 1.30 p.m.)

- KCSAP/CCCP Vaccine Project Workshop- 14th 16th June 2021, Dairy Training Institute, Naivasha
- National Veterinary paraprofessional Stakeholder awareness-raising workshop on Veterinary Workforce and VPPs, Kenya. Ministry of Agriculture, Livestock, Fisheries & Cooperatives State Department For Livestock Office of the Director of Veterinary Services. 24 March 2022 to be held at Sarova Hotel in Nakuru.
- Writing Workshop for Development of Curriculum Designs for Grades 10 (Phase 2) From 22nd May To 1st June, 2022 At Sweet Lake Resort, Naivasha. Organised by Kenya Institute of Curriculum Development (KICD)
- Cysticercosis Research Dissemination Workshop was held on 26th May 2017, at the Coconut Grill Hotel, Thika.
- Foreign animal disease and outbreak preparedness workshop 18, 19 May 2022. Online- 8 hours of Continuing Education, organized by Davis Thomson Foundation
- KALRO, KEVEVAPI and KU Collaborative Research dissemination workshops held in Taita Taveta, Dawida Hotel, Mwatete on 23/08/2022 and Kajiado ACK Guest House on 25/08/2022.

Seminars Attended

- A Virtual Baseline Validation Webinar: Green Economy and Sustainability on 8th December 2021 as from 9:45 am to 12:30 pm EAT organised by UNESCO- HEDGES
- IP Protection and Management ~ Research to Commercialization (R2C) Webinar- Thursday, 26th Jan 2023, from 11 am to 12 pm- Organized by Directorate of Research Support & Dissemination, Kenyatta University
- PhD Webinar on African interaction: Presentation with Video recording and passcode: 8th and 9th September, 2023 Organized by Directorate of Research Support & Dissemination, Kenyatta University

Supervision of Postgraduate Students

Masters

MSc Candidates

1. Agnes G. Maina- MPH (Public Health); Moi University, December 2016.
Project title: Human brucellosis: association between knowledge and practices, in a rural community in Kajiado North District, Kenya.
2. Eliza W. Wambui- MPH (Reproductive Health); Kenyatta University, August 2017
Project title: Influence of PMTCT psychosocial support group on mothers' compliance to HIV-exposed infants' services uptake; Nakuru Provincial General Hospital, Kenya.
3. David M. Mbuvi- MPH (Environmental Health); Kenyatta University, August 2018.
Project title: Prevalence of *Taenia solium* taeniasis and associated risk factors in Kiambu County, Kenya
4. Charles M. Makori- MPH (Occupational Health and Safety); Kenyatta University, December 2018.
Project title: Safety of Workers in Slaughterhouses and Meat Processing Plants in

Nairobi City County, Kenya.

5. Samuel Njogu Mwangi- MSc (Animal Nutrition & Management); Kenyatta University, December 2019.
Project title: Evaluation of risk factors in porcine management practices and their contribution to occurrence of Cysticercosis in Kiambu County, Kenya.
6. Gongo S.A Evaline- MSc (Environmental Health); Kenyatta University, December 2020.
Project title: Assessment of safety among students in science laboratory in secondary schools in Kitui County, Kenya.
7. Philip Mutai- MSc (Land and Water Management); Kenyatta University, December 2020.
Project title: assessing status of crop farming to determine strategies of scaling up crop yields to improve food security in Turkana County, Kenya.
8. John Kariuki- MVPH (Veterinary Public Health); University of Nairobi, December 2020.
Project title: Assessment of antimicrobial resistance profiles of *Campylobacter* and *Salmonella* Spp. in commercial broiler production systems in Kenya
9. Leonard Leakey Ritei-MSc (Dryland Agriculture); Kenyatta University, July 2021
Project title: The effect of tillage and residue management on water retention and maize yields in semi-arid, Kajiado County.
10. Jane W. Mwangi- MSc (Animal Nutrition & Management); Kenyatta University, July 2021
Project title: Assessment of survival rates and growth performance of Nile tilapia fed on cricket-based meal.
11. Ketente Gedion Kipaya- MSc (Dryland Agriculture); Kenyatta University, July 2023
Project title: Evaluation of factors affecting livestock products value addition among pastoral communities in Kajiado County, Kenya.

ON- GOING SUPERVISION OF POSTGRADUATES: MASTERS

1. Mwatuni Eric Makhetai (BSc Animal Production); Kenyatta University, Reg No. A149/28800/2013,
Project title: Effects of supplementating grass hay with *Acacia tortilis* a *Gdrewia bicolor* forages on the milk production of Galla goats in Garissa County, Kenya.
2. Kiplangat Hezekiah Yegon (BVM) Kenyatta University, Reg No: A149/OL/23897/13,
Project title: Performance of improved indigenous chicken (*Gallus domesticus*) fed on Canola (*Brassica napus*) seed-based diets under intensive system.
3. Wendo Itebete Edith (BVM) Kenyatta University Reg. No.: A150/OL/KKA/27148/15
Project title: Effect of dietary probiotic on growth performance and body fat content of broiler chicken in graded levels of energy and protein diets
4. Kerich, Lilian Cherono (BSc) Kenyatta University, Reg No. A149/OL/Cty/26822/14
Project title: Adoption and economic viability of hydroponics technology for fodder production by livestock farmers in Adoption and economic viability of hydroponics technology for fodder production by livestock farmers in Homa Bay County, Kenya.
5. Jared Adams Mbatah (BScN); Kenyatta University, Reg No.Q139/24550/2012,
Project title: Role of community health workers in enhancing utilization of long-acting and reversible contraceptives among married women in Kilifi County, Kenya.
6. Ngazi Chaari Gabriel (BSc. Agriculture); Kenyatta University, Reg No.A148/CTY/OL/26360/14.

Project title: Effects of guanidinoacetic acid supplementation in broiler chicken diet on growth performance and carcass characteristics.

7. Abdullahi Madey Adan (BSc. Agriculture); Kenyatta University. Reg. No. A149/OL/GAR/26440/2015.

Project Title: Evaluation of grazing strategies on soil carbon stocks, pasture quality, and livestock productivity in agro-pastoral systems of Mandera County, Kenya.

8. Antonio Innocent Mudong'i (BSc); Kenyatta University, Reg. No. A147/OL/CTY/32493/2017.

Project Title: Response of layers to supplementation of basal diet with ground *Prosopis juliflora* meal in Banadir District, Somalia

9. John Owino Owaga (BSc). Kenyatta University, Reg. No. A150/OL/CTY/25996/2018

Project Title: Lactation performance, profitability and mastitis susceptibility of Holstein Friesian cows fed rumen protected methionine in Kenya.

Ph. D

Completed Postgraduate Supervision

PhD Candidates

1. Ruth C. Kirinyet (MPH): Kenyatta University, July 2023.
Project Title: Aflatoxin characterization and carry over from broiler feed into broiler meat in chicken reared in Nairobi City County, Kenya.

On-Going Supervision of Postgraduates: PHD

1. Florence K. Thiakunu (BVM, MBA): Kenyatta University: Reg No: A99/38409/2016.
Project Title: Camel herd growth and commercialization in arid and semi-arid areas of Northern Kenya.
2. Mwangi Samuel Njogu, (BVM, MSc AN & M): Kenyatta University, Reg No. A99/28448/19
Project Title: Validation of vaccine against Contagious Caprine Pleuropneumonia and diagnostic test that differentiate vaccinate from naturally infected goats.
3. Fredrick Ochieng' Ouya (MAgrEcon): Kenyatta University, A99/28596/2019.
Project Title: Awareness and willingness to pay for Contagious Caprine Pleuropneumonia vaccine and its impact on livelihood outcomes in Kajiado and Taita Taveta Counties, Kenya.

Professional/ Consultancy (Editor/ Peer review in journals, Networks/ Collaborations, External Examiner, Patents)

-Professional

-Registered as Veterinary Surgeon Reg No. 526 and retained in the Register by Kenya Veterinary Board to date

Peer Review in Journals

-Networking and collaboration

- Ministry of Agriculture, Livestock and Fisheries, Directorate of Veterinary Services- Collaborative research
- Ministry of Trade, Kenya Bureau of Standards (KEBS)
 - KEBS TC-005/ Animal Feeds Technical Committee- Member from June 2012 to date.
 - KEBS TC- 016/ Meat and Poultry Products Committee- Member from 1st November 2019 to present date.
- KEBS Experts meeting on control of aflatoxin
- ii. Consulting for other institutions:
 - KEBS- Fodder Standard development
 - Veterinary Medicines Directorate (VMD)- Validation of VMD rules
 - Directorate of Veterinary Services (DVS)- Review of the Meat Control Act, Cap 356 of the Laws of Kenya
- iii. **External Examiner:**

- Nassuna Angella Charity, Bsc (Biological) (Mak); 2018/Hd17/1045u Msc (International Infectious Diseases) - Investigation of Respiratory Co-Infections and Associated Risk Factors Among Sars-Cov-2 Suspects management in Uganda of Makerere University, College of Veterinary Medicine, Animal Resources and Biosecurity, August 2022.
- Shivani Singh (BVSc & AH)- MSc Knowledge, Attitudes and Practices on Antibiotics use among Small Scale Poultry Farmers and Antibiotic Susceptibility Profiles of Organisms Isolated from the Gut of Poultry Fiji National University, Department of Veterinary Science College of Agriculture, Fisheries and Forestry. 2022
- Candidature Confirmation Assessment - Doctor of Philosophy for Mohammed Rasheed Igbal A00217147@student.fnu.ac.fj : Assessing the adaptive capacity of the Fijian dairy industry to climate change and animal disease. College of Agriculture, Fisheries & Forestry, Fiji National University, August 2023
- Appointed Examiner for the Kenya Veterinary Board for Veterinary Paraprofessionals at graduate and diploma levels seeking registration by the Board

iv) Internal Examination

- a) Thesis entitled, "Impact of improved sorghum varieties on poverty reduction among rural farming households in Tharaka Nithi County, Kenya." by Backson Mutonya Mwangi (MSc). A99/27899/2014.
- b) Member of Board of Examiners for PhD Thesis entitled, "Identification and management of fungal pathogens associated with stem end rots of avocado fruit in Murang'a County, Kenya". By Mwaura Elizabeth Wanjiku (M.Sc.) A99/31045/2015.
- c) Member of Board of Examiners for MSc thesis titled, "Relationship among injury, leucocyte counts and variations of infection with Theileria in zebra," by Edward King'ori, Kenyatta University.

Community Service and Other Engagements

- Participation in Tree Planting in Nairobi City County
- Tree Planting in Kenyatta University, School of Agriculture and Environmental Sciences on May 27, 2023
- Member of African Inland Church, Kenya and Chairlady of the Women Church Committee
- Member of Neighbourhood Self help Group

Affiliation of Professional Bodies

- Member Kenya Veterinary Association- No 635

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National and International awards and Recognitions

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Administrative Positions Held

Recognized university administrative positions

- Animal Science Departmental Examinations Coordinator from 20/09/2020 to date
- Acting Chairman, Animal Science Department
- Membership of University Committee- Member of sub- committee on Dam and Agricultural Infrastructure development for Kitui Campus
- Staff Mentorship
- Academic Class Advisor
- Departmental Board of Postgraduate studies
- Membership in School level Committee: -
 - Academic staff- Board of examiners
 - Vice Chairperson of School of Agriculture and Enterprise Development 2nd Biennial Scientific Conference Committee, 2016
 - KU Teaching Farm
 - Ad hoc for development of the Strategic plan
 - Library

Other administrative positions Held

- Board of Management Member, Kaleo International Bible Institute from 07/09/2022 to date
- African Inland Church, Nairobi Area Women Leaders Church Committee- Chairlady from 01/11/2019 to date
- Evangelical Women Association- National Leaders Committee- Member from 14/12/2020 to date
- Kenya Women Veterinary Association- Committee Member from 2012 to date.