

CURRICULUM VITAE

Dr. Christine Minoo Mbindyo

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EDUCATIONAL BACKGROUND

- Doctor of Philosophy (Ph.D.) in Applied Microbiology (Bacteriology Option), University of Nairobi, **2018 –2022**.
- Master of Science (MSc.) in Applied Microbiology (Bacteriology Option), University of Nairobi, **2011 – 2014**.
- Bachelor of Veterinary Medicine (BVM), University of Nairobi, **2006 – 2011**.
- Kenya Certificate of Secondary Education (KCSE), Mbooni Girls High School, **2001-2004**.
- Kenya Certificate of Primary Education (KCPE), Kivani Primary School, **1993-2000**.

WORK EXPERIENCE

September 2022-To date: Lecturer in the Microbiology Section, Department of Veterinary Pathology, Microbiology and Parasitology, University of Nairobi.

- Teaching undergraduate and postgraduate students and conducting relevant practical sessions in the area of microbiology
- Mentoring and guiding students
- Undertaking research in areas of microbiology and one health
- Conducting poultry and food animals' consultancies and laboratory diagnostics
- Community Outreach

September 2015- August 2022: Tutorial Fellow in the Microbiology Section, Department of Veterinary Pathology, Microbiology and Parasitology, University of Nairobi.

Responsibilities

- Teaching undergraduate and postgraduate students and conducting relevant practical sessions in the area of microbiology
- Mentoring and guiding students
- Undertaking research in areas of microbiology and one health
- Conducting poultry and food animals' consultancies and laboratory diagnostics
- Community Outreach

July 2014-August 2015: Bayer Health Care Pharma Representative, Gap Marketing.

Responsibilities

- Organizing and training pharmaceutical technicians on the company's products
- Monitoring and reporting competitive market activities
- Conducting market research
- Marketing of the Bayer Health Care products

January 2012-August 2012: Veterinary officer, Vetworks Eastern Africa.

Responsibilities

- Consulting, diagnostics, and treatment of livestock diseases
- Organizing and training groups of farmers on proper poultry keeping and management
- Participated in poultry restocking activities targeting poor households in Kitui County

RESEARCH GRANTS AND AWARDS

1. Awarded the Consortium for Advanced Research Training in Africa (CARTA) Covid-19 Mitigation grant: Fellowship Support, 2021
2. Awarded the Consortium for Advanced Research Training in Africa (CARTA) Ph.D. fellowship, 2018.
3. Awarded the Government of Kenya Doctoral National Research Fund (NRF) grant, 2020.
4. Awarded the European Educational Programme in Epidemiology (EEPE) sponsorship to attend 31st residential summer school, 2018, Florence, Italy.
5. Awarded US Department of Agriculture (USDA) Faculty Exchange Program (FEP) sponsorship, 2016, Iowa State University.
6. Awarded MSc. scholarship under the Kenya Agricultural Productivity and Agribusiness Project (KAPAP) project grant on Improvement of Dairy productivity and Market in sub-humid and pastoral areas of Kenya through improved dairy chains, 2011.

PROFESSIONAL MEMBERSHIP

Registered member: Veterinary surgeon in Kenya Veterinary Board (KVB) number 2501 and Kenya Veterinary Association (KVA) number 1179.

PUBLICATIONS

1. **Mbindyo C.M**, Gitao GC, Plummer PJ, Kulohoma BW, Mulei CM, Bett R. Antimicrobial Resistance Profiles and Genes of Staphylococci Isolated from Mastitic Cow's Milk in Kenya. *Antibiotics*. **2021**; 10(7):772. <https://doi.org/10.3390/antibiotics10070772>
2. Kirwa, E., Gabriel Oluga Aboje, Timothy Elias Maitho, **Christine Minoo Mbindyo**, Tequiero Okumu Abuom, & Alfred Omwando Mainga, Antibiotic profile of Staphylococcus aureus and Coagulase Negative Staphylococci species isolated from raw camel milk from Garissa County, Kenya. *East African Journal of Science, Technology and Innovation* **2021**. 2(4). <https://doi.org/10.37425/eajsti.v2i4.364>
3. **Mbindyo, C.M**; Gitao, C.; Mulei, C. Prevalence, Etiology, and Risk Factors of Mastitis in Dairy Cattle in Embu and Kajiado Counties, Kenya. *Vet. Med. Int.* **2020**, 2020 <https://doi.org/10.1155/2020/8831172>
4. **Mbindyo, C.M**, Gitao C.G, Peter S.G., (2018): Constraints affecting dairy goat production in Kenya. *Journal of Tropical animal and health production*. <https://doi.org/10.1007/s11250-017-1397-2>
5. Gitao C.G, **Mbindyo, C. M**, Omani, R, Chemweno, V. Review of Sheep Pox Disease in Sheep. *Journal of Veterinary Medicine Research*, **2017** 4(1): 1068
6. **Mbindyo, C.M.**, Gitao C.G, L. Bebor. A cross-sectional study on the prevalence of subclinical

- mastitis and antimicrobial susceptibility patterns of the bacterial isolates in milk samples of smallholder dairy goats in Kenya. American Journal of Research communication, **2014**,2(8):30-51
7. George Gitao, **Christine Mbindyo**, Lily Bebor (2014): Dairy Goat Milk Hygiene Analysis in Mt Kenya Region, Lambert Academic Publishing

CONSULTANCIES

1. Trainer for the Fleming fund AMR training project for Kenyan animal health laboratory staff. **Role:** Microbiologist
2. African Society of Laboratory Medicine (ASLM), Qualifying the Workforce on Antimicrobial Resistance (AMR) Surveillance in Africa and Asia (QWArS) Fleming fund project, **Role:** Trainer and Microbiologist
3. African Society of Laboratory Medicine (ASLM), Regional External Quality Assessment Grant for Africa (EQuAFRICA), Fleming fund project, **Role:** Microbiologist

ADMINISTRATIVE /MANAGERIAL APPOINTMENTS/ COMMITTEES

4. African One Health University Network (AFROHUN) project Kenya, **Role:** Faculty activity lead
5. Faculty of Veterinary Medicine resolution of the public complaints committee, **Role:** Member
6. Department of Veterinary Pathology, Microbiology and Parasitology Welfare Association, **Role:** Secretary
7. Faculty of Veterinary Medicine gender mainstreaming committee, **Role:** Member
8. Faculty of Veterinary Medicine attachment and projects committee, **Role:** Member
9. 9th World Antimicrobial Awareness Week (WAAW) 2022 nation of Kenya planning committee; Youth event subcommittee, **Role:** Member

TRAINING/CONFERENCES /WORKSHOPS

1. World Antimicrobial Awareness Week (WAAW) 2022 National AMR symposium and High level advocacy and official Launch meeting Radisson blue Hotel, Nairobi 17th -18th November, 2022
2. Facilitated Qualifying the Workforce on Antimicrobial Resistance (AMR) Surveillance in Africa and Asia (QWArS) Regional Master Trainers Workshop 15th -19th August 2022, Lusaka Zambia.
3. U.S. Department of Agriculture (USDA), Foreign Agriculture Service (FAS) Agribusiness Trade mission Nairobi and Zanzibar, 31October -4th November, 2022, TradeMark hotel, Nairobi

4. Scaling up implementation of One Health approach in Kenya: Overcoming the challenges workshop, on 3rd March 2022, at Park inn Radisson, Kenya.
5. Trainers of master trainers training (ToToTo) Qualifying the Workforce on Antimicrobial Resistance (AMR) Surveillance in Africa and Asia (QWArS), on 21th -26th June 2022 at Park inn Radisson Kenya.
6. Consortium for Advanced Research Training in Africa (CARTA) Joint Advanced Seminar (JAS) 4 held on July 12 – August 25, 2021, at Ulwazi, African Population & Health Research Centre (APHRC) campus, Nairobi, Kenya.
7. Consortium for Advanced Research Training in Africa (CARTA) Virtual Conference (8th Annual Joint Advanced Seminar (JAS 4) held on September, 23rd & 24th September 2021.
8. Consortium for Advanced Research Training in Africa (CARTA) Joint Advanced Seminar (JAS) 3 held on January, 11th – February 26th, 2021 at African Population & Health Research Centre (APHRC) campus, Nairobi, Kenya.
9. Science in Communication Training Workshop held on 21st to 23rd July 2021, Kyaka hotel, Machakos, Kenya.
10. Bacterial isolation and identification, and antimicrobial susceptibility testing training held on 17th -28th May 2021 at the Department of Veterinary Pathology, Microbiology, and Parasitology, University of Nairobi, Kenya.
11. Food and Agriculture (FAO), Workshop to review Antimicrobial Resistance (AMR) Regional Guidelines held on 22nd-24th 2021 March at Eagle Palace Hotel- Nakuru, Kenya.
12. Africa One Health University Network (AFROHUN) Launch and USAID’s One Health Workforce – Next Generation Project Year 1 Showcase workshop held virtually – October 27–29, 2020.
13. Antimicrobial Resistance in Bacterial Pathogens, Workshop held on from 6th - 21st September 2018 at the Kenya Medical Research Centre, Nairobi, Kenya.
14. One Health workshop on Risk analysis for Anti-microbial resistance was held from 24th to 27th September 2017 at Ole Ken Hotel in Nakuru, Kenya.
15. Faculty Exchange Program held from August 2016 to December 2016 at the Iowa State University, College of Veterinary Medicine.
16. One-Health Faculty Exchange Program held from 19th-25th June 2016 at the University of Rwanda.

ACADEMIC REFEREES

Professor George Gitao,

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University of Nairobi,
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Professor Paul Plummer,

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