

CURRICULUM VITAE

PERSONAL INFORMATION

Name

Mwaura Elizabeth Wanjiku

E-mail

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WORK EXPERIENCE

2025

Lecturer:

Kenyatta University

School of Agriculture and Environmental Sciences

Department of Agricultural Science and Technology

2021 to 2024

lecturer:

Mount Kenya University

School of pure and applied sciences

Main activities and responsibilities

Department of Animal Health and Production

Teaching Biology and Agriculture Units

Assistant Postgraduate Coordinator

Supervising post graduate and undergraduate students

Developing and reviewing departmental curriculums

Department Examination Coordinator

2012 to 2021:

Tutorial fellow

Mount Kenya University

School of pure and applied sciences

Department of Animal Health and Production

Main activities and responsibilities	Teaching agriculture and biology Units
	Supervising undergraduate students
	Developing and reviewing departmental curriculums
	Department Examination Coordinator
2007- 2011	Coordinate undergraduate student’ s research
Main activities and responsibilities	Part- time faculty
2002 – 2012	Thika Institute of Technology (TIT)
	Teaching diploma students
Main activities and responsibilities	High School Teacher
	Ithangarari Secondary School
	Head of Science Department
	Teaching Biology and Agriculture
EDUCATION	
2016 – 2021:	Kenyatta University
	Doctor of Philosophy: Plant Pathology
	Research area: Fungal disease of fruits - Thesis: Identification of Stem End Rot Fungal Pathogens on Avocado Fruits and Efficiency of Fungicides and Trichoderma spp. in Murang’ a County, Kenya.
2007- 2011:	Kenyatta University
	Master of Science: Infectious Disease Diagnosis
	Research area: Fungal diseases

1996 – 2001	Egerton University Bachelor of Science: BSc, Agricultural Education and Extension Second class Honors (upper division)
1991- 1994:	Mary Hill High School
1982- 1990:	Kitito Primary School
OTHER TRAINING	
May 2015:	lead Auditor training on ISO 9008/2001 certification
August 2012:	Auditor training on ISO 9008/2001 certification
Sept 2005 – Sept 2006	Leadership Training and Development Course
February 2001:	Egerton University (certificate in Computer packages) Windows 98 X NTW Microsoft Word 97 Microsoft Excel 97 Microsoft Access 97

PUBLICATIONS IN REFEREED JOURNALS

- **E. K. Wanjiku**, J. W. Waceke, B. W. Wanjala, and J. N. Mbaka (2020) Identification and Pathogenicity of Fungal Pathogens Associated with Stem End Rots of Avocado Fruits in Kenya International Journal of Microbiology Article ID 4063697 vol. 2020 <https://doi.org/10.1155/2020/4063697>.
- **E. K. Wanjiku**, J. W. Waceke, J. N. Mbaka, "Suppression of Stem-End Rot on Avocado Fruit using Trichoderma spp. in the Central Highlands of Kenya", Advances in Agriculture, vol. 2021, Article ID 8867858, 6 pages, 2021. <https://doi.org/10.1155/2021/8867858>.
- Teresiah Njihia, Allan Mweke, **E. K. Wanjiku**, Jonathan Richard MacDougall Thacker, Andrew Hursthouse, John Struthers and Adebisi Adewole¹, Samuel Muchemi. A Survey of Fruit Fly Management

Practices in Mango Crops in Embu and Maranga Counties in Kenya. Journal of crop protection; awaiting publication.

CONFERENCE

- Teresiah Njihia, Allan Mweke, **E. K. Wanjiku**, Richard Thacker, Andrew Hursthouse , Adebisi Adewole , Aloyce Wambua, Samuel Muchemi and John Struthers. Preference of synthetic pesticides for fruit fly pest management over biological control interventions: Implications for sustainable production and food safety. The 8th Annual International Centre for African Research on Enterprise and Economic Development (CAREED) Conference of the University of West of Scotland held at Mount Kenya University on Thursday 27th & Friday 28th June 2024.
- Teresiah Njihia, Allan Mweke , **E. K. Wanjiku**, Richard Thacker , Andrew Hursthouse , Adebisi Adewole , Aloyce Wambua, Samuel Muchemi and John Struthers. Multidisciplinary approach to promote research to commercialization, and small business development in Africa: KTP project in Kenya, a case study. The 8th Annual International Centre for African Research on Enterprise and Economic Development (CAREED) Conference of the University of West of Scotland held at Mount Kenya University on Thursday 27th & Friday 28th June 2024.
- Teresiah Njihia, Allan Mweke, **E. K. Wanjiku**, Jonathan Richard MacDougall Thacker, Andrew Hursthouse, Adebisi Adewole, Aloyce Wambua, Samuel Muchemi and John Struthers. Mango Production and existing economic challenges associated with Fruit fly infestation and management practices in Kenya: A survey. The 7th Annual Centre for African Research on Enterprise and Economic Development (CAREED) Conference of the University of West of Scotland on 29th and 30th of June 2023.
- **E. K. Wanjiku** and Allan Mweke Biological control of post-harvest diseases of avocado fruits in Kenya. 2nd multi-sectoral conference on science, technology and innovation (MS-COSTI 2) 23rd - 26th May 2023, Safari Park Hotel Kenya.
- Teresiah Njihia, Allan Mweke, **E. K. Wanjiku**, Jonathan Richard MacDougall Thacker, Andrew Hursthouse, John Struthers and Adebisi Adewole, Samuel Muchemi. Agrochemical use in Kenya and developing an environmentally friendly baited trap for fruit fly management. 8th International Interdisciplinary and Inter-Universities Research Conference 2023, 29th-30th March 2023, Mount Kenya University, Thika.
- **E. K. Wanjiku**; Alternative safe and consumer-friendly strategies in food production Research sandpit event (staff presentations) Nottingham Trent University – UK (Lyth Lecture Theatre) 14th June 2022.
- **E. K. Wanjiku**, J. W. Waceke and J. N. Mbaka Identification and Management of Fungal Pathogens Associated with Stem End Rots of Avocado Fruit in Murang'a County, Kenya. 41st Ph.D. Seminar for July 2021 graduates July 9th, 2021
- **E. K Wanjiku.**, Waceke. J.W and Mbaka J.N (2020) Identification of Post-harvest diseases of avocado fruits in Kenya. Avocado Society of Kenya webinar: Avocado Growing in Kenya for the World, The Past, Present and Future 21st to 23rd July 2020.
- **E. K Wanjiku.**, Waceke. J.W and Mbaka J.N (2019) Production, management practices, and incidence of stem end rot disease of avocado fruits in Kenya. Horticultural Association of Kenya (HAK) 19th workshop on sustainable Horticultural Production in the tropics at Kenya Agricultural and Livestock Research Organization, Tea Research Institute (KALRO-TRI)
- **E. K Wanjiku.**, Ngeranwa J. J and Christine B. (2013) Isolation and Identification of Fungal Dermatological Agents among Patients Attending Thika District Hospital Thika, Kenya. 1st Mount Kenya

University international research and innovation conference 28th to 30th august 2013 Safari park hotel Nairobi.

WORKSHOPS

- Mount Kenya University Western Region Workshop on Food Security at Mount Kenya university Nakuru campus 12th July 2024
- Agro-biological working group engagement workshop in Nairobi, Kenya Gurvey restaurant, George Padmore Lane, Hurlingham, Nairobi 27th June 2024
- Alignment of Curricula's to CBC Requirements at Mount Kenya University Nakuru campus; May 2023.
- Pedagogical skills training at Mount Kenya University Nakuru campus; Jan 2023
- Research Ethics training at Mount Kenya University at Nakuru Campus; November 2022
- Grant Writing, Intellectual Property Rights, and Research Ethics Mount Kenya University Nakuru campus; June 2022
- Examination Proctoring Training for Lecturers at Mount Kenya University; August 2022
- Examination setting and moderation; June 2014

GRANTS

- Mount Kenya university vice chancellor's research and innovation grant 2024 - Effect of black soldier fly organic fertilizer on soil microbes, plant defence mechanisms and benefit of the larvae on poultry Health (Ksh. 1.8 million)
- Mount Kenya University Vice chancellor's research and innovation grant 2022 - Enhancing smallholder farmer's income and food security through management of *Tuta absoluta* in tomatoes (Ksh. 200,000)
- UK innovate Knowledge transfer partnership between the University of the West of Scotland & Mount Kenya University 2021 with Farm track Consulting Ltd - Developing a novel environmentally friendly female fruit fly protein baited trap (food bait) using local raw materials (Ksh. 11million).
- Erasmus+ International Credit Mobility project 2020 - Restoration of Bracken Hurst forest in Limuru, Kenya. A collaboration of Mount Kenya University (MKU) and Nottingham Trent University (NTU) (Ksh 11.6million).

SUPERVISION

- Faraday Nzioki Mua MECO/2018/33844 Assessment of Plant Species Diversity and Composition in Mutomo Hill Sanctuary and Its Environment in Kitui County Kenya- **ongoing**.

- Muraguri Ngure Harrison MSCBIO/2019/46234 Antimicrobial screening of *Ocotea kenyensis* (Chiov.) Robyns & R. Wilczek and *Polyscias kikuyuensis* Summerh. used for traditional medicine in Brackenhurst forest. – **ongoing**
- Faith Cherono MECO/2022/59155 Assessment of distribution, abundance and environmental factors affecting the pioneer species *Croton macrostachyus* in Enkaroni, Maasai Mau forest, in Narok county, after its restoration- **ongoing**

CURRICULUM DEVELOPED

- Master of Science in Crop Protection and Phytosanitary Science (MCCP),
- Bachelor of Science in Agribusiness and Entrepreneurship (BAGE)
- Bachelor of Science in Agriculture and Rural Development (BARD)

PROFESSIONAL MEMBERSHIPS

- Horticultural Association of Kenya (HAK)

OTHER MEMBERSHIP

- Mount Kenya University Foundation
- Global Leadership Interlink (GLI) – is a global network of professionals committed to the development of society by impacting human systems through the promotion of values-based leadership.

REFEREES

Dr. Maina Ngotho, PhD, MSc, BVetMed
 Senior Lecturer, Animal Sciences Department
 School of Natural Resources and Agriculture (SONRAS)
 College of Agriculture and Natural Resources (COANRE)
 Jomo Kenyatta University of Agriculture & Technology (JKUAT)

Bramwel Waswa Wanjala
 Plant Biochemist & Molecular Biologist
 Kenya Agricultural and Livestock Research Organization
 Biotechnology Research Institute

Dr. Charles M. Warui, (PhD)
 Senior Lecturer & director examinations,
 Muranga University,