

CURRICULUM VITAE

NAME: JANE WACERA KIARIE

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DATE OF BIRTH: OCTOBER 1976

MARITAL STATUS: MARRIED

CAREER DEVELOPMENT

PUBLICATIONS

1. Effects of Land-Use Intensification on Distribution and Diversity of *Fusarium* Species in Machakos County, Kenya-P. K. Maina, P. M. Wachira, S. A. Okoth, J. W. Kimenju, M. Otipa & **J.W. Kiarie**(Journal of Agricultural Science; Vol. 7, No. 4; 2015-pg 48-60).
2. Conservation and Sustainable Management of Soil Biodiversity for Agricultural Productivity-Peter Wachira, John Kimenju, Sheila Okoth, and **Jane Kiarie** -Sustainable Living with Environmental Risks (Chapter 3 page 27-34, 2014).
3. Occurrence and Diversity of Nematode Destroying Fungi in Banana Production Zones in Maragua, Kenya-P.M. Wachira, J.W.Kimenju, **J.W.Kiarie** , A.W.Kahurani and S. Mwaniki- Journal of Agricultural Science(Vol.5, No. 12 December 2013.Pg.180).
4. Diversity of Nematodes and Nematode Destroying Fungi as Influenced by Land Use in TaitaTaveta, Kenya-P.M. Wachira, J.W Kimenju ,S.A. Okoth, and **J. Kiarie**-Journal of Agricultural Science(Vol.5, No. 12 December 2013.Pg.154).
5. Incidence of Pests and Diseases affecting Banana in a Commercial Production Setting in Kenya-P.M Wachira, J. Kimenju, **Kiarie J.W**,Kihurani A.W, Mwaniki S.W and Gathaara VN 13thWorkshop on Sustainable Horticultural Production in The Tropics- Meru University of Science and Technology(MUST), Meru-Kenya.(3rd-6thDecember 2013 pg. 51).
6. Effect of Soil Management Practices on Nematode Destroying Fungi in Taita, Kenya-P.M. Wachira, S. Okoth, J. Kimenju, R.K.Mibey, and **J.Kiarie**-Tropical and Subtropical Agroecosystems (Vol 13 No. 1,2011. pg. 43-49).
7. Diversity of Nematode Trapping Fungi in TaitaTaveta District, Kenya-(P.Wachira, R.Mibey, S.Okoth, J.Kimenju, **J.Kiarie**(Elsevier- The British Mycological Society2008).

EDUCATIONAL BACKGROUND

1. 2013-2015: Technical University of Kenya.

Achievement: Bachelor of Philosophy in Technology (Applied Biology)- First Class Honors.

2. 2003-2004 : The Kenya Polytechnic

Achievement: Higher National Diploma in Applied Biology (Pass with Credit)

3. 1996-1998 : Nairobi Technical Training Institute

Achievement: Diploma in Applied Biology, (Pass with Credit)

4. 1991-1994 : Mary Leakey Girls High School

Achievement: C+ in K.C.S.E

5. 1981-1990 : Ruburi Primary School

Achievement: 64 points in KCSE

WORK EXPERIENCE

1. **March 2016 to date: Acting Chief Technologist, Department of Medical Microbiology, Jomo Kenyatta University of Agriculture and Technology:**

Main Responsibilities:

- Projection of Laboratory Budgets for materials to be used in an academic year.
- Procurement of materials for use in the Laboratory.
- Duty allocation for Laboratory Staff in reference to departmental workload.
- Preparation, presentation and demonstration of Undergraduate and Post Graduate Practical Classes.
- Actively Participating in Post Graduate Students' projects and research, also in their practical sessions.
- Attending departmental meetings to present matters and represent matters pertaining to the laboratory.
- Overseeing the smooth running of the laboratory including stores management, academic trips, practical sessions and projects, cleanliness, safety and any other matters pertaining to the laboratory.

2. **October 2015 to March 2016: Senior Laboratory Technologist Grade 9- Jomo Kenyatta University of Agriculture and Technology:**

Main Responsibilities: -

- Preparation, presentation and demonstration of Undergraduate and Post Graduate Practical Classes.
- Actively Participating in Post Graduate Students' projects and research, also in their practical lessons.
- Evaluation of Practical Manuals for use in the Department.

3. **2. February 2009-October 2015 – Senior Laboratory Technologist Grade DEF- University of Nairobi School of Biological sciences, Mycology and Microbiology Sections.**

Main Responsibilities:-

- Preparation, presentation and demonstration of Undergraduate Students Practical Classes
- Actively Participating in Post Graduate Students' projects and research, also in their practical lessons.

- Actively participating in Research activities in the university which includes analyses of samples from within and also without the department.
- Maintenance and propagation of Cultures and other materials used in the Laboratory.
- Maintenance and care of Equipments in the Mycology Lab.
- Supervision of Junior Staff and training of Students on attachment in the above mentioned sections.
- Mushroom production, a pilot project geared towards Income Generation for the School, while also training interested students on the same.
- Carrying out other Departmental duties as assigned by my supervisors.

4. **April 2005-February 2009-Laboratory Technologist Grade
ABC-University of Nairobi –School of Biological Sciences**

- Assisting in preparation of undergraduate students practical classes.
- Ensuring the general cleanliness of the General Laboratory Equipments and Apparatus.
- Carrying out other Departmental Duties as assigned by my supervisors

5. **July 2000-April 2005: Laboratory Technician- International
Center of Insect Physiology and Ecology, JIRCAS Project**

Main Responsibilities

- Aseptic rearing of insects such as *Sesamia calamistis*, *Chilo partellus*, *Busseola fusca*, *Helicoverpa armigera* and *Spodoptera exempta* among others, as hosts of their parasitoids.
- Preparation and sterilization of artificial diets for the above mentioned insects.
- Rearing of pupal and larval parasitoids for use internally and externally.

6. **Nov 1998-June 2000: Assistant Laboratory Technician at Gatundu
Nursing Home.**

Main Responsibilities

- Preparation and staining of thin and thick blood films for differential counts and scanning parasites.
- Stool and Urine analysis.

- Z-N Staining for mycobacterium
- Various immunological procedures such as Widal test, VDRL test, Blood Grouping and Cross match.
- Gram Staining Techniques for wet smears.
- General cleanliness of Laboratory Equipment and Sterilization of the Apparatus.

ON JOB TRAINING

1. **2nd October- 10th December 2016**: Microbiology Molecular Biology Training towards Innovation-Okayama University, Japan.
2. **June 2016**- Nanodrop Technology.
3. **March 2012**- Safe Food Safe Dairy- Analysis of Aflatoxins and Fumonisin using ELISA and HPLC and the Molecular Characterization of *Aspergillus* and *Fusarium sp.*
4. **September 2011** - Research and Grant Proposal Writing. (University of Nairobi Enterprises Ltd).
5. **March 2011** –Safe Food Safe Dairy- Analysis of *Aflatoxins* and *Fumonisin* using ELISA and HPLC and the Molecular Characterization of *Aspergillus* and *Fusarium sp.*
6. **September 2009** - Lincoln Consulting Ltd- Training on Customer Service-Know Your Customer.

APPRECIATION

1. Sacrifices made during the UNDSAC Charity Visit to Mother Teresa Children's Home Huruma.- **28th February , 2015.**

EXTRA RESPONSIBILITIES:

- In charge of the chemical stores (2006-2012) - School of Biological Sciences.
- Senior Technologist in Charge- Mycology Section.
- Involved in setting up a mushroom project in the school of Biological Sciences, appointed by the Director.

REFEREES

1. Prof. Paul N. Ndegwa
Director,
School of Biological Sciences,
University of Nairobi.
P.O Box 00100-30197,
Nairobi.
0721 946348

2. Dr. Peter M. Wachira.
Senior Lecturer,
School of Biological Sciences,
University of Nairobi.
P.O Box 00100-30197
Nairobi.
0729 806865

3. Willis Awori,
Human Resources Manager,
International Center of Insect Physiology and Ecology,
P.O Box 30772,
Nairobi.