

LAIKIPIA UNIVERSITY STAFF PROFILE

DEPARTMENT OF BIOMEDICAL AND BIOLOGICAL SCIENCES



Name of Faculty/Staff: Ms. Jannet Nelima Nyukuri

Designation/Rank: Assistant Lecturer

Laikipia University: School of SSAT

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Educational Background:

PhD Agricultural Sciences (Ongoing), Humboldt University of Berlin, Germany

Master of Science (Plant Pathology), Egerton University, Kenya, 2012

Bachelors of Education (Botany & Zoology), Second class –Upper Division, Kenyatta University, Kenya, 2006

Brief Auto-biography of the Faculty/Staff

- I have over 8 years' experience in Research, Teaching and Examining students at Laikipia University. My experience in research entails analytical work including; isolation and identification of pathogens, analysis of mycotoxins using both ELISA and TLC methods, DNA Extraction and analysis, screening essential oils, plant extracts and endophytic fungi for their antifungal activity, screening of bacteria with plant growth promoting properties against viral and fungal diseases of tomatoes. The findings of the researches that I have been involved in have been disseminated through workshops and conferences (ALVA-Conference in Austria, The Inter University Council for East Africa & Lake Victoria Research Initiative (VICRES) conference in Uganda, Laikipia University, Egerton University and Kabarak University). Over the years, I have taught and examined students in Pathology related courses including General Microbiology, Mycology, Virology, Principles of Crop Protection, Introduction to Plant Pathology and Advanced Plant Pathology. I have participated in development of Course content and objectives for Botany

and Biomedical courses used for ISO certification. Lastly, I have deliberately mentored students on career choices and life skills through meetings and one on one talks.

Selected Publications

1. Nyukuri, N. J., Wagara, N. I. and Matasyoh C.J. (2013). Identification and distribution of mycotoxigenic *Aspergillus* and *Fusarium* species isolated from maize of Western part of Kenya. *Journal of Science and Applied Technology* **1**(1):91-100
2. Nyukuri, N. J., Wagara, N. I., Matasyoh, C.J. and Nakavuma L. J. (2013). Inhibitory Action of some Essential Oils on Growth of Various Moulds Isolated from Dried Maize Grains. *Egerton Journal of Science and Technology* **13**:1-10

Research Interests

Plant pathology, Biocontrol of plant diseases, Crop protection and Food security