KARATINA UNIVERSITY

STAFF PROFILE

Name: [Margaret Wambui Kinyua]

1. **Designation**: [Lecturer]
2. **Employment details**

   School: [Pure and Applied Sciences]

   Department: [Mathematics, Statistics and Actuarial Science]

3. **Contact Information**

   Email Address (mwambui@karu.ac.ke /wambuikinyua7@gmail.com):

   Research Links:

4. **Describe your professional self**

   Dr. Margaret Wambui Kinyua is a Lecturer in the School of Pure and Applied Sciences at Karatina University where she has been a faculty member since 2015.She is the School's Board of Postgraduate Students coordinator 2017 to date and the Departmental Bachelor

of Science in Applied Statistics with Computing Academic Leader and specializes in Biostatistics. Margaret completed her Ph.D. at Moi University, Masters Degree and Postgraduate Diploma in Education at Kenyatta University, and undergraduate studies at the University of Nairobi. Her research interests lie in the area of Optimal Experimental Designs and Bayesian Data Analysis, ranging from theory to application. She has collaborated actively with researchers in other disciplines such as Information Technology and Agriculture.

5. **Area/ Field of specialization**: [Statistics]

6. **Research interests**: [Optimal Experimental Design/Bayesian Data Analysis/Data Science & analytics/Machine Learning]

7. **Listed published works**.

<u>Peer-reviewed Publications</u>

i. Caroline M. Kamotho, Josephine N. Ngure, Margaret W. Kinyua "Modelling Daily **COVID**-**19** Cases in Kenya **Using ARIMA Model**" **International Journal of Research and Innovation in Applied Science (IJRIAS) ISSN 2454-6194**(203-211) Dtae of Publication 15 July 2023. Found at: https://doi.org/10.51584/IJRIAS.2023.8621

ii. Maurice Micheni1, Rael Birithia1, Cyrus Mugambi1, Boaz Too2, **Margaret Kinyua1** ,Identification of Maize Leaf Diseases Using Support Vector Machine and Convolutional Neural Networks AlexNet and ResNet50. Indonesian Journal of Computer Science. ISSN 2549-7286 (*online*) Vol. 12, No. 4, Ed. 2023