



Inspiring Innovation and Leadership

## KARATINA UNIVERSITY

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### STAFF PROFILE TEMPLATE

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1. **Name:** [Dr. Esther Kahariri]
2. **Designation:** [Lecturer]
3. **Employment details**

School: [School of Pure and Applied Sciences]

Department: [Biological and Physical sciences]

4. **Contact Information**

**Email Address:** [ekahariri@karu.ac.ke](mailto:ekahariri@karu.ac.ke)/[ekahariri07@yahoo.com](mailto:ekahariri07@yahoo.com)

4. **Describe your professional self**

*Dr. Esther kahariri is a lecturer in the school of pure and applied sciences at Karatina University. She is currently the head of department in Biological and Physical Sciences since 2021. She joined Karatina university as a faculty member in 2017 as a lecturer in Biology related courses. She has been actively involved in teaching, research and community outreach activities. Dr Esther Kahariri pursued her undergraduate and postgraduate studies in Kenyatta University. She successfully completed her MSc studies at Kenyatta University in collaboration*

with ICRISAT/Kenya where she successfully developed a genetic transformation protocol for selected groundnut varieties. Dr Kahariri pursued her PhD at Kenyatta University in collaboration with IITA where she worked on development of a regeneration and transformation protocol for selected banana varieties. Dr Kahariri has research interest in food security and crop improvement. Her passion in research earned her a collaborative research grant in banana value chain with world bank through KCSAP on climate smart technologies where she served as a Co PI in Nyeri county.

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

6. **Research interests:** [Food security and crop improvement technologies]

7. List some of your key published works.

### **Peer-reviewed Recent Publications**

1. Nthuku BM, Kahariri EW, Kinyua JK, Nyaboga EN. Fungal Endophytes of Moringa (*Moringa oleifera* L.), Neem (*Azadirachta indica*) and Lavender (*Lavandula angustifolia*) and Their Biological Control of Fusarium Wilt of Banana. *Microbiology Research*. 2023; 14(4):2113-2132. <https://doi.org/10.3390/microbiolres14040143>  
<https://www.mdpi.com/2036-7481/14/4/143/pdf>

2. S.M. MUSAH, R.K. BIRITHIA, H.W. KAMIRI, E. KAHARIRI. EFFECT OF INTERCROPPING ON POTATO BACTERIAL WILT DISEASE AND TUBER YIELD IN KENYA. *African Crop Science Journal*, 2023; 31(4): 449 – 462. <http://www.ajol.info>