




Inspiring Innovation and Leadership

KARATINA UNIVERSITY

STAFF PROFILE TEMPLATE



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1. **Name:** Joseph Gikonyo Kuria
2. **Designation:** Assistant Lecturer
3. **Employment details**

School: [Pure and Applied Sciences]

Department: [Mathematics Statistics and Actuarial Science]

4. Contact Information

Email Address (jkuria@karu.ac.ke,josephgkuria@gmail.com):

Research Links: [including orcid number and google scholar links]

4. Describe your professional self

Mr Joseph Gikonyo Kuria is an Assistant Lecturer in the Department of Mathematics, Statistics & Actuarial Science in the School of Pure and Applied Sciences of Karatina University where he has served as a faculty member since 2013. He specializes in Design of Experiments, Estimation, Operations Research, Time series analysis as well as Teaching Methods in Mathematics. He has served as the School time table and examinations coordinator and the departments ISO champion. Joseph Kuria is a PhD

student at Moi University, Kenya studying Biostatistics with a thesis on Optimal Simplex Third Order Rotatable Designs With an Application to Food Microbiology. Joseph completed his Masters degree in Statistics at Kenyatta University, Kenya after completing his Postgraduate diploma in Education at Kenyatta University and His undergraduate studies at Nairobi University, Kenya.

Joseph has special interest in design of experiments in food microbiology related studies for food safety as well as public health and educational research. Consequently Joseph has participated in workshops on spatial data analysis and data mining and look forward to intense research on public health initiatives. Currently Joseph is working on a proposal on Sustainable Development Goal 6 as a research scholar with Leaders of Africa Institute. He is passionate about students and youth affairs and actively participates in student's mentorship and Counselling. Other areas of training include auditing of Quality Management Systems and Leadership.

5. Area/ Field of specialization: [Biostatistics]

6. Research interests: [Design of Experiments in food microbiology, Estimation, Public health and Education]

7. List some of your key published works.

Peer-reviewed Publications

Kande Dickson Kinyua, Kuria Joseph Gikonyo "The Differential Geometry of Curves."
IOSR Journal of Mathematics (IOSR-JM), 17(4), (2021): pp. 14-28. www.iosrjournals.org