Damaris Felistus Mulwa

Email:mulwadamaris01@gmail.com   **P.O Box:** 62000-00200, Nairobi   **Sex**: Female

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Objective Statement

To contribute to academic excellence, research innovation, and capacity building in Statistics, Applied Mathematics, and Data Science, with a focus on sustainable development, human and animal health, and evidence-based policy making.

Research interests

Mathematical Modelling, Applied Statistics, Machine Learning, Time Series Analysis, Spatial Statistics, Epidemiological Modelling, and Data Science for Public Health and Agriculture.

Education

Sokoine University of Agriculture	Morogoro, Tanzania
Ph.D. in Mathematics	July 2021 – June 2025
International Livestock Research Institute	Nairobi, Kenya
Ph.D. Graduate Fellow, Animal and Human Health Program	Jan 2023 – Dec 2023
Jomo Kenyatta University of Agriculture & Technology	Nairobi, Kenya
M.Sc. in Applied Statistics	Nov 2018
Jomo Kenyatta University of Agriculture & Technology Enterprises	Nairobi, Kenya
Certificate in Monitoring & Evaluation	May 2016, Distinction
Jomo Kenyatta University of Agriculture & Technology Enterprises	Nairobi, Kenya
Certificate in Data Analysis Softwares (R & SPSS)	Mar 2016
Jomo Kenyatta University of Agriculture & Technology	Nairobi, Kenya
B.Sc. Mathematics	Nov 2015, First Class Honors
St. Angela's Girls'	Kitui, Kenya
KCSE	Nov 2009, B+

Teaching experience

Assistant Lecturer, Dept. of Statistics and Actuarial Sciences   JKUAT
July 2019 – Present

Design and deliver course materials, set learning objectives
Supervise student projects and assessments
Conduct and apply research in teaching and outreach activities

Teaching Assistant, Dept. of Statistics and Actuarial Sciences   **JKUAT**
July 2016 – July 2019

Administer and grade assessments, mentor undergraduates

Industry Experience	**Zayed University Research**	Abu Dhabi, UAE

Zayed University Research   Abu Dhabi, UAE
Research Consultant   June 2025 – Aug 2025
Conduct research and data analysis for academic projects
Collaborate with faculty and research teams on deliverables

National Information Platform for Nutrition (NIPFN) Project – KNBS & KIPPRA
Nairobi, Kenya
Research Assistant   Jan 2024 – May 2024
Assisted in research planning, data collection, and analysis
Supported reporting and stakeholder engagement

UN Women Mango Project   Nairobi, Kenya
Project Assistant   Oct 2017 – Apr 2018
Report writing, project coordination, and stakeholder correspondence

AIB Capital   Nairobi, Kenya
Research Assistant Intern   Aug 2015 – Jan 2016
Data collection and analysis, industry research

World Vision Kenya   Makueni, Kenya
Data Enumerator   Jan 2016
Collected and analyzed field data; facilitated community feedback sessions

Skills

Programming
Proficient in: R,, SPSS.

Languages
English (fluent), Swahili (fluent)

Statistics Software
STATA, SPSS, SAS

Visualization
 Power BI, Tableau, QGIS

Machine Learning
Regression, Classification, Clustering, Text Mining, Topic Modeling

Database Management
MySQL, SQL

Soft Skills
Excellent Communication, Adaptability, Time management, Problem Solving, Teamwork

Publication   Published in Food and Humanity, Big Data and Cognitive Computing, and PLOS Global Public Health on topics including Rift Valley Fever forecasting, food price analysis, machine learning in epidemiology and finite population estimation.

Awards

PASET-RSIF Scholarship	ICIPE	
	May, 2021	
Vice Chancellor's Scholarship Award – MSc.	JKUAT	
	Sept 2016	
IBS Travel Awards Fund IBC 2024	Atlanta, USA	
	Aug, 2024	

Professional Memberships

Member, NAFeMReP

Chairperson, Strategic Planning & Programs Committee – IBS Kenya

Trustee, KNSS

Life Member, FAWEK

Member, OWSD, IBS, KWIMSA, EANWoBAS Kenya Chapter

Civil Society Appointments

Chairperson, Academic & QA Committee	Mutonguni Girls Secondary School
Chairperson, Academic & QA Committee	Kauwi Secondary School
Member, Academic & QA Committee	St. Joseph's Junior Seminary Mwingi
Member, Academic & QA Committee	Kangungi Mixed Secondary School

Conferences, Trainings & Workshops

IBC 2024	Atlanta, USA
World One Health Congress 2024	
Data Analysis Workshops by RUFORUM, RSIF, ICIPE	

Awards

PASET-RSIF Scholarship, ICIPE, for PhD in Mathematics	May, 2021
Vice Chancellor's Scholarship Award for MSc., JKUAT	Sept, 2016
IBS Travel Awards Fund for IBC 2024, Atlanta, USA	Aug, 2024

Professional Memberships

Member, NAFeMReP

Chairperson, Strategic Planning & Programs Committee – IBS Kenya

Trustee, KNSS

Life Member, FAWEK

Member, OWSD, IBS, KWIMSA, EANWoBAS Kenya Chapter

Referees

Dr. Geoffrey Onkundi Barini
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