

Achando Mercy

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Professional Summary

Highly motivated and detail-oriented Microbiologist with a strong academic background and hands-on experience in microbial analysis, laboratory techniques, and research. Graduated with honors from Jomo Kenyatta University of Agriculture and Technology, equipped with a solid foundation in microbiology, molecular biology, and biotechnology. Passionate about contributing to scientific advancements in healthcare, agriculture, and environmental sustainability. Excellent analytical, communication, and teamwork skills.

Education

Bachelor of Science in Microbiology

Jomo Kenyatta University of Agriculture and Technology (JKUAT)

September, 2015 – September, 2019

- Relevant coursework: Microbial Physiology, Molecular Biology, Immunology, Biotechnology, Environmental Microbiology, and Bioinformatics.
- Graduated with [insert GPA or honors, if applicable].
- Conducted research on [insert research topic, if applicable].

Kenya Certificate of Secondary Education (KCSE)

St. Peter's Girls High School

2011 – 2014

- Achieved an excellent grade of B+ (plus)
 - Active participant in science clubs and environmental conservation programs.
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Professional Experience

Microbiology Intern

Analabs Limited, Nairobi, Kenya.

January, 2020– August, 2020

- Conducted microbial analysis on water, food, and environmental samples using aseptic techniques and advanced laboratory equipment.

- Assisted in the identification and characterization of bacterial and fungal pathogens.
- Prepared and maintained detailed laboratory records and reports.
- Collaborated with a team to develop and optimize protocols for microbial culturing and DNA extraction.

Research Assistant

Jomo Kenyatta University of Agriculture and Technology, *Nairobi, Kenya*
August, 2020 – December, 2021

- Supported research projects focused on antimicrobial resistance and microbial genomics.
- Performed PCR, gel electrophoresis, and sequencing to analyze microbial DNA.
- Contributed to the preparation of research papers and presentations for conferences.
- Maintained laboratory equipment and ensured compliance with safety protocols.

Volunteer – Public Health Awareness Campaign

UNESCO, *Nairobi, Kenya*
June, 2020 – March, 2022

- Educated communities on hygiene practices, water sanitation, and disease prevention.
- Collected and analyzed water samples to assess microbial contamination levels.
- Assisted in the distribution of informational materials and resources.

Skills

- **Laboratory Techniques:** Microbial culturing, PCR, gel electrophoresis, microscopy, staining, and biochemical assays.
- **Analytical Tools:** Bioinformatics software, data analysis, and statistical tools (e.g., SPSS, R).
- **Research:** Experimental design, data collection, and scientific writing.
- **Soft Skills:** Team collaboration, problem-solving, time management, and effective communication.
- **Technical Proficiency:** Microsoft Office Suite (Word, Excel, PowerPoint), laboratory information management systems (LIMS).

Certifications

- Certified Laboratory Technician (CLT) – American Medical Technologists (AMT), 2021
- Biosafety and Biosecurity Training – World Health Organization (WHO), 2020

- Molecular Biology Techniques Certification – Jomo Kenyatta University of Agriculture and Technology (JKUAT), 2021
 - HACCP Certification – International HACCP Alliance, 2020
 - Data Analysis and Bioinformatics Certification – Coursera, 2022
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Publications and Projects

- **[Title of Research Paper/Project]** – [Brief description of the project and your role].
Published in [Journal Name, if applicable].
 - **[Title of Research Paper/Project]** – [Brief description of the project and your role].
Presented at [Conference Name, if applicable].
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Professional Affiliations

- Member, Kenya Society for Microbiology (KSM) – 2019 to Present
 - Member, African Society for Laboratory Medicine (ASLM) – 2020 to Present
 - Member, American Society for Microbiology (ASM) – 2021 to Present
 - Member, Association of Medical Laboratory Technologists of Kenya (AMLTK) – 2018 to Present
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Languages

- English (Fluent)
 - [Other Language, if applicable]
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References

Available upon request.
