

Fredrick Lisili Mufoyongo
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EDUCATION

University of Louisville

- Graduate student- Analytical Chemistry
 - The Wilson Lab
 - Department of Chemistry

KY, USA
January. 2023 - Present

University of Nairobi

Bachelor of Education (Science)

- Mathematics and Chemistry
- Mathematics minor

Nairobi, Kenya
Jan 2014 – Sept.2018

PROFESSIONAL EXPERIENCE

University of Louisville, Chemistry Department

Graduate Teacher Assistant-CHEM 209/210

- Successfully instructing and guiding students in the lab to do experiment
- Grading students' lab reports and giving them elaborative verbal and written feedback
- Proctoring exams
- Successfully collaborating with the professor in charge of the course and other teacher assistants to train students on lab safety.

KY, USA
January 2023 - Present

Averroes Tuition Centre, Chemistry Department

Mathematics and Chemistry Teacher, Head of Department

- Taught O-level and A-level Chemistry and Mathematics using the local and international curriculum.
- Designed and proctored exams for more than 100 students.
- Successfully graded every student's work and gave them verbal, diagnostic, and written feedback.
- Collaborated with other teachers and parents to assist learners to reach their learning objectives
- Maintained student discipline regarding behavior, independent learning, and standards of work.
- Collaborated with the faculty to introduce an after-school tutoring program for weak students

Nairobi, Kenya
Feb. 2018 – Dec 2022

OUTREACH/CONFERENCES

Fairdale High School

Volunteered as a judge for the high school's science fair. I was tasked with evaluating students' posters.

KY, USA
May 18, 2024

University of Louisville

Volunteered as a judge for the 2024 Undergraduate Arts and Research Showcase, evaluating poster presentations and providing feedback to participants.

KY, USA
April 23, 2024

University of Louisville

Participated in the 17th Annual GSC Research Conference, presenting findings on the enhancement of

KY, USA
March 28, 2024

ammonium synthesis from nitrate through electrocatalysis in a magnetic field. Conducted both a poster and an oral presentation.

Fairdale High School

KY, USA

October 25, 2023

- Worked under Prof. Wilson, I guided high school students through the synthesis of gold and silver nanoparticles. This hands-on learning experience stimulated students' interest in Chemistry and inspired them to explore STEM careers.

INTERN

Highway Secondary school

Nairobi, Kenya

Mathematics and Chemistry Teacher, Head of Department

Feb. 2018 – Dec 2022

- Taught, graded, and proctored exams for more than 300 students.
- Collaborated with other teachers to maintain student discipline in school

Dr. Andrew J. Wilson, Ph.D.

Assistant Professor

Department of Chemistry

University of Louisville

Louisville, KY 40292

Lab: <https://www.ajwilsonlab.org>

Dr. Francis P. Zamborini

Associate Professor

2320 South Brook Street

Louisville, KY, 40208

Department of Chemistry

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Dr. Albert Jairo O. Ndakala

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