

Caroline Wanjiku Kinyua

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A dedicated and committed academic with a passion for advancing sustainable and efficient industrial practices, I am currently pursuing a Master's degree in Industrial Chemistry at the University of Nairobi. This opportunity was awarded to me through a merit-based scholarship after attaining First Class Honors in my undergraduate studies. With a strong foundation in Industrial Chemistry, I bring a unique blend of technical expertise and innovative problem-solving. As a goal-oriented team player, I embrace collaboration to achieve excellence in every project.

EXPERIENCE

Postgraduate Research Student, The University of Nairobi - Chemistry Department (2022-present)

- Conducted extensive lab work to assess chemical interactions critical to enhancing industrial applications within the FMCG sector.
- Applied advanced analytical techniques to evaluate material properties, identifying potential for market applications in fast-moving consumer goods.
- Collaborated with a multidisciplinary team to ensure project success and adherence to research objectives, with a focus on quality and efficiency.
- Maintained and calibrated research equipment to uphold high standards of reliability, accuracy and consistency, which is key for scalable applications.
- Communicated research findings effectively through technical reports and presentations, communicating actionable insights that contribute to optimized product development.

Community Service Director, Rotaract Club of Nairobi Magharibi (2024 – present)

- Organized and oversaw diverse community service projects, focusing on: protecting the environment, improving health, enhancing education, and empowering communities economically.
- Coordinated volunteer efforts and fostered partnerships with local organizations to maximize project impact, ensuring alignment with the needs of target groups.

- Managed project logistics, including planning, budgeting and resource allocation, to facilitate successful implementation of service initiatives.
- Communicated progress and impact of community service projects through reports, enhancing club visibility and engaging stakeholders in meaningful ways.

EDUCATION

The University of Nairobi - MSc. Industrial Chemistry (October 2022-Present)

The University of Nairobi - BSc. Industrial Chemistry (2017-2021)

First Class Honors

SKILLS

- Chemical Process Optimization
- Research Methodology
- Data Analysis
- Scientific Writing
- Material Science
- Teamwork
- Leadership

CERTIFICATIONS

- Capacity Building in Gender Equality and Women's Empowerment – Commonwealth of Learning (March, 2025)
- 7th Annual Conference of the Faculty of Science and Technology – University of Nairobi (November, 2024)
- The African Centre for Public Speaking (June, 2024)
- IBM Digital Badges – Explore Emerging Tech (December, 2023)
- Financial Accounting (CP102) –European Business Institute of Luxembourg (July, 2023)
- TGC Early Career Program (June, 2023)

MEMBERSHIP OF PROFESSIONAL SOCIETIES

Scientists of Kenya Association

REFEREES

Prof. David Kariuki, Chairman, Chemistry Department, The University of Nairobi

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June Sheila Kyalo, Senior Research and Development Officer, Tropical Heat Limited

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