

Curriculum Vitae



Erick B. Kanigini, AMRSC

Department of Environmental Science and Management,
School of Engineering and Environmental Studies,
Ardhi University.

E-mail: erickb.kanigini@gmail.com

Tel: +255(0)748 444 976

<https://chemistry.uonbi.ac.ke/students?page=1>

EDUCATION BACKGROUND

- Master of Science in Environmental Chemistry, University of Nairobi (2025)
- Thesis title: Distribution and Characterization of Microplastics in Nairobi River.
- Thesis supervisors: Professor David K. Kariuki and Doctor Bridget K. Mutuma
- BSc.Ed (Chemistry and Biology), University of Dar es Salaam (2016)
Upper Second Class Honours, GPA: 4.1

PROFESSIONAL EXPERIENCE

- Assistant Lecturer (2025-to date)
- Tutorial Assistant (2019-2025)
- High School Teacher (2017-2019)

AWARDS

- Certificate of attendance and participation in the 8th Annual Research Week Conference of the Faculty of Science and Technology, University of Nairobi (October 2025)
- Certificate of attendance and participation in the 7th Annual Conference of the Faculty of Science and Technology, University of Nairobi (November 2024)
- Certificate of attendance in the Pan Africa Chemistry Network Congress 2024 under the auspices of the Royal Society of Chemistry. Nairobi, Kenya (October 2024)
- Certificate of attendance for a two days short course on Pedagogical methods for teaching university students (2021)
- Certificate of Recognition for facilitating excellent performance in Chemistry for high school students (2018)
- Certificate of appreciation for participating in the Dar es Salaam University Students' Organization as an electoral committee member (2016)

TEACHING

Ardhi University:

- 3rd year undergraduate students, Environmental Chemistry course (1st semester)
- 2nd year undergraduate students, Toxicology and Risk Management (2nd semester)
- 1st year undergraduate students, Basic Chemistry (1st semester)

- 2nd year undergraduate students, Instrumental Methods of Analysis (1st semester)
- 1st year undergraduate students, Project II: Analytical Laboratory Survey (2nd semester)

High School:

Chemistry and Biology for high school students

PROFESSIONAL SOCIETY MEMBERSHIP

Affiliate Member of the Royal Society of Chemistry, AMRSC (Membership number: 784763)

RESEARCH INTERESTS

- Environmental sampling, Microplastics (MPs) recovery from environmental samples, and characterization of MPs.
- Ecotoxicology, Chemical pollutants, Chemical risk assessment and management, Remediation techniques for chemical pollutants.
- Material science.