

ARISE PROJECT PARTIAL SCHOLARSHIP

The Department of Chemistry, University of Nairobi, through the African Research Initiative for Scientific Excellence (ARISE) Project, is recruiting one Ph.D. student as outlined below:

One (1) PhD Project in Chemistry

- Applicant must be a holder of a Master's degree in chemistry or materials science-related disciplines or an equivalent qualification from an institution recognized by the University of Nairobi (UoN) Senate
- New applicants interested in pursuing a PhD in Chemistry at the University of Nairobi

Project description: The project focuses on the synthesis of nitrogen-doped carbon–metal oxide composites for the detection of volatile organic pollutants. This study will involve the synthesis, characterization, and application of nitrogen-doped carbon-metal oxide composites in sensor systems. Furthermore, the research will further investigate the interaction mechanisms between volatile organic pollutant molecules and the composite surfaces, the charge transfer dynamics, adsorption-desorption behavior, and catalytic activity to ensure long-term performance in real-world applications.

Application documents

- A letter of motivation
- A curriculum Vitae giving details of their qualifications and three (3) referees, as well as indicating their telephone and email contacts
- Copies of relevant certificates
- A one-page summary of the completed MSc project
- Publication list

The applicants must be East African citizens.

Send application documents to dept-chem@uonbi.ac.ke and copy to bridget@uonbi.ac.ke

The deadline for the application is 22/04/2025