



The University of KwaZulu-Natal (UKZN) is committed to meeting the objectives of Employment Equity to improve representivity within the Institution. Preference will be given to applicants from designated groups in accordance with our Employment Equity Plan.

COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE
POSTDOCTORAL RESEARCH POSITION in Nanomaterials Chemistry
Discipline of Chemistry, University of KwaZulu-Natal, Westville Campus, Durban

Applications are sought for a Postdoctoral Research Fellowship in the area of Renewable Energy. The successful candidate will be expected to work with an interdisciplinary research team synthesising carbon-based nanomaterials for application in solar cells for energy harvesting.

The successful applicant will be expected to engage in **full-time** postdoctoral studies under the supervision of Professors Nyamori and Martincigh. The position is available immediately and renewable for a second year, subject to satisfactory progress. The successful candidate will be based at UKZN for the duration of the scholarship.

Eligibility Criteria:

- ✦ A doctoral degree obtained within the last five years
- ✦ Relevant research experience in Renewable Solar Energy

Minimum Requirements:

- ✦ Knowledge and practical experience of nanomaterial characterisation techniques, such as electron microscopy, thermal analysis, Fourier transform infrared spectroscopy, diffuse-reflectance ultraviolet spectrophotometry, surface area and porosity measurement, cyclic voltammetry and electrical impedance spectroscopy, among other techniques.
- ✦ Good written and verbal communication skills
- ✦ Relevant and recent reasonable publication outputs in high-quality journals.

Advantage:

- It would be an advantage if the applicant has experience using a solar cell simulator.

Inquiries and details regarding the post may be directed to Prof Martincigh at e-mail: martinci@ukzn.ac.za.

The postdoctoral fellowship is for 12 months (may be renewable for an additional year), and is worth R320,000 (tax-free) per annum, typically paid in the form of a monthly stipend.

The closing date for receipt of applications is **24 November 2025**.

Applicants are required to submit the following:

- ✦ A cover letter highlighting their experience in meeting each of the minimum requirements, as listed above.
- ✦ One-page project proposal
- ✦ A full curriculum vitae, including a list of publications
- ✦ Contact details of two referees
- ✦ A certified copy of the applicant's doctoral degree certificate

The successful incumbent will be expected to complete an employment form for the Human Resources Division. This will enable the incumbent to access facilities such as a parking disc and a personalised e-mail address, and receive their monthly payment on time.

Applications must be submitted to: martinci@ukzn.ac.za as a single PDF file containing all the required documents.

Kindly note that the University of KwaZulu-Natal ("the University") is required to process any Personal Information (as defined by the Protection of Personal Act, 2013 "POPIA") submitted by candidates when applying for positions at the University. The University will endeavour to ensure that the appropriate security measures are in place and implemented for both electronic and paper-based formats that are used for processing of the personal information recorded through this recruitment and selection process. We refer you to the University's relevant Section 18 notice at http://vacancies.ukzn.ac.za/Libraries/General_Documents/Section_18_Notice_-_Employees_and_Potential_Employees.sflb.ashx