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

**COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE**

**POST DOCTORAL RESEARCHER: URBAN REMOTES SENSING AND GREEN ECOLOGY PROJECT**

**TWO YEAR FIXED TERM APPOINTMENT**

**SCHOOL OF AGRICULTURAL, EARTH AND ENVIRONMENTAL SCIENCES**

**PIETERMARITZBURG CENTRE**

**REF NO: SAEES 01/2024**

The Schools of Agricultural, Earth and Environmental Sciences (SAEES) and Mathematics, Statistics and Computer Science (MSCS), University of KwaZulu-Natal (UKZN) are pleased to announce a Postdoctoral Research Fellowship in urban remote sensing, urban green ecology, urban microclimate and climate change. The Post-Doctoral Researcher will be required to develop an integrated approach to understanding urban green ecosystems, and their implication on urban micro-climate and ecosystem services using Remote Sensing and Machine Learning technologies. We seek an innovative and self-motivated professional with a very strong background in GIS/Remote sensing, Computer Science, and programming skills. The successful candidate will be expected to work in a multidisciplinary environment, supporting post graduate students and publish research findings in accredited journals.

In addition, the Postdoctoral Research Fellow may be required to contribute to teaching and/or other related research projects. The amount of the fellowship will be ZAR220 000 (two-hundred and twenty thousand rands) per annum for a period of two years. Renewal for a second year will be based on a satisfactory progress.

**Minimum Requirements:**

* PhD in Environmental Science, Computer Science, Geography, Remote Sensing/GIS, Ecology, with strong evidence of remote sensing applications in Ecology.
* A proven research record as evidenced by at least three publications in peer-reviewed ISI/DHET accredited journal in the last five years.
* Analytical GIS and or Remote Sensing with advanced programming skills
* Experience of working in multi-disciplinary teams.

Candidates who are self-motivated, rigorous and responsible with a track record showing the ability to conduct independent research work and publications in reputable journals are encouraged to apply. **The closing date for receipt of applications is 22nd October 2024 however, this advert will remain open until the positions are filled.**

This appointment will be made in line with the University Guidelines/benchmarks which are available on the University Vacancies website on http://vacancies.ukzn.ac.za/Academic-Process-Proc-Guides.aspx

For more information, contact Prof. John Odindi – Odindi@ukzn.ac.za

Applicants are required to submit the following: (1) CV with publication record, (2) **An indication of the Post Doc being applied for, with a motivation** (3) Full academic records, and (4) contact details of two academic referees to [sitholep@ukzn.ac.za](mailto:sitholep@ukzn.ac.za)

*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>