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

**COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE**

**POSTDOCTORAL RESEARCHER (1 POST)**

**ONE YEAR FIXED-TERM APPOINTMENT**

**CIVIL ENGINEERING (WATER RESEARCH GROUP)**

**SCHOOL OF ENGINEERING**

**HOWARD COLLEGE CAMPUS**

**REF NO. WRGPD/01/2024**

The Water Research Group of Civil Engineering within the School of Engineering seeks to appoint a highly motivated and skilled postdoctoral researcher with a background in Civil Engineering, Water Resources Engineering, Environmental Engineering, or relevant fields to join our interdisciplinary team working on Water Quality Modeling and indexing. The successful candidate will contribute to ongoing research projects to develop innovative solutions to address water quality for sustainable water resources and environmental sustainability.

The incumbent will support the supervisor's research areas and/or projects through active research, design, and field trips for sample collection, laboratory experiments, and modelling development techniques. S/he will be expected to collaborate with a multidisciplinary team of researchers, publish research findings in high-impact scientific journals and present research outcomes at conferences and seminars. S/he will contribute to preparing project reports, grant proposals, and other research-related documentation, mentor and supervise graduate students and research assistants involved in related projects and assist in any relevant assignments as required by their supervisor.

# Minimum requirements

* + A recent PhD (within the last 5 years) in Civil Engineering, Water Resources Engineering, Environmental Engineering, or relevant fields.
  + Strong background and expertise in one or more of Water Quality modelling, Climate change and water Management, demonstrated through a proven track record of published peer-reviewed research articles.
  + Experience in conducting field experiments, data collection and analysis, and interpretation of data.
  + Proficiency in programming with relevant software tools for data analysis and model development [Python/ C++/ Matlab] is an advantage .

Applicants are required to submit the following:

* Motivational letter, including a 1-2-page outline of relevant expertise and experience.
* Full CV including a list of research publications, conference papers and other scholarly output.
* Full transcripts of academic record and copy of doctoral degree certificate.
* Title and Abstract of doctoral Thesis
* Copy of ID document (or copy of passport in the case of foreign applicants).
* Contact details of two academic referees who have taught/supervised the candidate.

to Mrs Ooma Chetty at [chettyo@ukzn.ac.za](mailto:chettyo@ukzn.ac.za)

The remuneration associated with the postdoctoral fellowship is R 277 500 per annum.

Enquiries and details regarding the post may be directed to Prof.Muthukrishna Kumarasamy: [Kumarasamy@ukzn.ac.za.](mailto:Kumarasamy@ukzn.ac.za.) Dr Joy Adu: [aduj@ukzn.ac.za](mailto:aduj@ukzn.ac.za)

Closing date for application is 25 November 2024

**Applications must be sent to the administrator** Mrs Ooma Chetty **email** [**Chettyo@ukzn.ac.za**](mailto:Chettyo@ukzn.ac.za) **indicating the reference number in the email's subject line. Late applications will not be considered.**

*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\_-*](http://vacancies.ukzn.ac.za/Libraries/General_Documents/Section_18_Notice_-_Employees_and_Potential_Employees.sflb.ashx)

[*\_Employees\_and\_Potential\_Employees.sflb.ashx*](http://vacancies.ukzn.ac.za/Libraries/General_Documents/Section_18_Notice_-_Employees_and_Potential_Employees.sflb.ashx)