

The University of KwaZulu-Natal (UKZN) is committed to Employment Equity with the intention to promote representativity 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 RESEARCH FELLOWSHIP (1 POST)
ORGANOMETALLIC CHEMISTRY & BIOINORGANIC APPLICATIONS
SCHOOL OF CHEMISTRY AND PHYSICS PIETERMARITZBURG CAMPUS
REF: JPRPDF_001APR2025**

We are seeking a highly motivated and skilled postdoctoral research fellow to join our dynamic research team focused on the interface of synthetic chemistry and biological applications. The successful candidate will contribute to an exciting interdisciplinary project involving the design and synthesis of novel heterocyclic ligands, coordination with various transition metals, and biological evaluation of the resulting complexes.

The successful candidate will be expected to engage in **full-time** postdoctoral studies. The position is available immediately, and the successful candidate will be based on the Pietermaritzburg campus of the School under the supervision of Drs V Jeena, T R Papo and D Reddy.

Minimum Requirements:

1. A PhD in Bioinorganic or Organometallic Chemistry obtained in the last five years.
2. A proven research track record as evidenced by recent peer-reviewed journal articles in the last five years.
3. Proven experience in the synthesis of heterocyclic compounds and coordination complexes.
4. Proficiency in characterization techniques, incl. NMR, IR, MS, UV/Vis and X-ray crystallography.
5. Excellent communication and teamwork skills.
6. Evidence of postgraduate student mentorship and training.

Advantageous:

1. Experience in biological testing and data interpretation.
2. Experience with molecular docking and/or computational chemistry.

The postdoctoral fellowship is ZAR220 000 per annum with the option of renewal for another year based on the performance in the first year.

The closing date for receipt of applications is 25 April 2025.

Applicants are required to submit the following documents in a single PDF to Dr D Reddy at reddyd2@ukzn.ac.za

1. A cover letter highlighting their experience meeting the minimum requirements.
2. A detailed CV, including a list of publications.
3. Contact details of at least two referees.
4. A certified copy of the applicant's doctoral degree certificate or Ph.D. award letter.

Late applications will not be considered. Successful individuals will be contacted on or before 09 May 2025. Should you not receive a reply or update by 13 May 2025, kindly consider that your application has not been successful. The University reserves the right not to make an appointment until a suitable candidate is found.

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