

TSHWANE UNIVERSITY OF TECHNOLOGY AND STELLENBOSCH UNIVERSITY COLLABORATIVE POSTDOCTORAL RESEARCH FELLOWSHIPS CALL

Applications are invited from suitable candidates for a TUT-SU collaborative postdoctoral research fellowship in the Department of Chemistry at the Tshwane University of Technology (TUT) and the Department Chemistry and Polymer Science at Stellenbosch University (SU). The programme will allow a successful candidate to spend a year each at TUT and SU working on a coherent and multi-disciplinary research project. Renewal for a second year will be based on satisfactory performance during the first year. The academic hosts, Dr Manicum (TUT) and Prof Chellan (SU), will provide mentorship.

Research field/area:

- Synthesis and design of organic ligands, coordination chemistry of transition metals, and photoluminescence studies;
- Metal-based drug development of bioinorganic agents for applications in biological systems;
- Computational studies that include Density Functional Theory and Molecular Docking;
- Screening of compounds for anticancer and/or antimicrobial activity;
- Physico-chemical and physiological stability analyses.

Minimum requirements:

- A doctoral degree in Chemistry with experience in synthetic organic and inorganic chemistry obtained within the past five years.
- Applicants must have a proven track record of research publication in accredited or peer-reviewed journals.
- Demonstrated ability to present research findings at national and international conferences.

Recommended skills

Experience in tissue culture and/or biological assays will be advantageous.

Value of fellowship:

- ZAR 350 000 per annum tax free

Interested candidates should submit the following documents to ManicumAE@tut.ac.za and pchellan@sun.ac.za: detailed CV, certified copies of all relevant qualifications, ID or passport, and a one-page research proposal that the candidate wishes to pursue during the fellowship which must fall within the scope of the research interests of Dr Manicum or Prof Chellan (Synthetic Bioorganometallic Chemistry at SU: <https://shorturl.at/qZy32>).

Enquires: Dr AE Manicum, +27 12 382 6309 and Prof P Chellan, +27 21 808 3327

Closing date: **18 September 2026**