Tshwane University of Technology
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2027 TUT POSTDOCTORAL RESEARCH FELLOWSHIPS CALL

The Tshwane University of Technology under the DSTI-NRF Research Chair in Renewable Energy invites applications from academically brilliant Postdoctoral Research fellows. The research focuses on development of innovative advanced nanomaterials for renewable-energy systems; high-performance/cost-effective energy-storage materials; affordable renewable-energy technologies that broaden energy access; and durable materials that support a stable, continuous power supply.

Preferred Expertise:

- Energy-material development for societal challenges.
- Energy-process, conversion, and storage-system optimisation.
- Energy-storage technologies.
- Electrolysers for green-hydrogen production and storage.
- Renewable-energy, sustainability, and circular-economy innovation.
- Interpretation of morphological and compositional data.
- Mathematical and computational modelling.
- Scientific and engineering software proficiency.

Minimum Requirements:

A doctoral degree (PhD/DEng/DTech) in Engineering or relevant field with specialization in Renewable Energy or Advanced Engineering Energy Materials. Young black female applicants will be given preference.

Value of fellowship:

- R320 000 per annum. The fellowship is for a maximum of three years, with annual renewal dependent on excellent performance and the availability of funds.

Interested candidates may submit the following documentation (certified copies of qualifications and proof of identity documents) to PopoolaAPI@tut.ac.za and MokaeML@tut.ac.za.

- A detailed CV including a list of all research/creative outputs.
- Certified copies of all relevant qualifications/certificates.
- Certified copy of the SAQA evaluation certificate (for international PhD qualifications).
- Certified copy of the ID or passport.
- A one-page proposal explaining the project title and details linked to the research interests during the fellowship.

Enquiries: Prof API Popoola, +27 12 382 3513; and Dr N Malatji, +27 12 382 4363.
Closing date for applications: 3 November 2026.