

## 2026/2027 TUT POSTDOCTORAL RESEARCH FELLOWSHIPS CALL

The Tshwane University of Technology invites suitable applications for the position of Postdoctoral Research Fellow in the Photovoltaic NanoComposites R&D Platform under the Department of Physics, Faculty of Science.

### **Research field/area:**

- Experimental thin film photovoltaics, with a strong focus on lead-free metal halide perovskites
- Computational materials science (incorporating machine learning approaches)

The R&D Platform has the following thin film fabrication and device characterisation equipment on site: thermal and electrochemical deposition systems, spin coater, UV-Vis, FTIR, I-V and a Solar Simulator. Access to additional specialised equipment is through local collaboration partners.

### **Minimum requirements:**

- Doctoral degree in Physics, Chemistry, Materials Science, or a relevant qualification. The degree must have been obtained within the past five (5) years (degree awarded in 2024, 2025, and 2026 will receive preference).
- Applicants must have authored/co-authored at least two research outputs in the DHET-accredited journals.

### **Value of fellowship:**

- R320 000 per annum (NRF funding)
- A R50 000 incentive bonus would be paid to Postdoctoral Research Fellows who exceeded the research output requirements annually.

Interested candidates may submit the following documentation to [FTRoberts@tut.ac.za](mailto:FTRoberts@tut.ac.za) and cc Prof M Msimanga ([MsimangaM@tut.ac.za](mailto:MsimangaM@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 doctoral qualifications).
- Certified copy of the ID or passport.
- A one-page proposal explaining the project title and details linked to the research interests in the fields/areas indicated, that you wish to pursue during the fellowship.

**Enquiries:** Prof M Msimanga, Telephone +27 12 382 6414

Closing date for applications: **13 March 2026**

