



VISION

Shape and own the future

To be a transforming, equitable, sustainable, and academically excellent University of Technology anchored in its communities.

MISSION

To offer technological, career-directed educational programmes focussing on the innovative problem-solving research and engage with government, business, industries and communities as end-users.

FACULTY OF NATURAL SCIENCES

POSTDOCTORAL RESEARCH FELLOWSHIP

(Geo-environmental factors and diseases of unknown aetiology)

One-Year Fixed Contract

Key Performance Areas:

- Interact with collaborators to design experiments for generating high quality geomedical data and in interpretation of the ensuing data sets.
- Draft project proposal applications in the broad research area of “Medical Geochemistry”.
- To prepare and publish manuscripts of high quality in DHET journals.
- Explore the interactions between geomedical variables and climate change.
- Manage an internal database containing the results of laboratory experiments and medical simulations that can be used to model the impact of geo-environmental processes, including climate change, on health.
- Ability to co-supervise relevant postgraduate research and/or collaborating with other postdoctoral fellows.
- Involvement in initiating and managing research projects.
- Assisting in overall management and contributing to the various activities of the Research projects.
- Initiating, developing and/or being involved in research networks, collaborations (i.e. formulating spin-offs, and joint ventures), institutional partnerships, and the organisation of research events.

Minimum Requirements:

- A recently earned PhD in Environmental Geochemistry and Health, Medical Geology, Public Health or Epidemiology. At the time of the award, the candidate should have graduated with his/her doctorate degree no longer than within the previous five years.
- South African citizens and permanent residents will have priority.
- International Postdoctoral Research Fellows must have a long-term visitor’s visa endorsed for academic activities affiliated with MUT (Section 11(1)(b) Visitors Visa).
- A thorough knowledge of fieldwork techniques, including health and safety issues in difficult terrains.
- At least 4 published journal papers (DHET) in the above-stated specialist areas in the last 24 months.
- Working knowledge and experience with statistical software such as SPSS.
- Has not held full-time permanent academic or professional employment.
- Experience in postgraduate student mentorship.
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Competencies:

- Excellent oral and written communication skills.
- High ethical standards; Innovative and conscionable.

Stipend: R300 000.00 per annum (tax-exempt)

Interested applicants should send (a) a motivation detailing the extent to which they meet the requirements of the position; (b) an application form (downloadable from www.mut.ac.za); (c) a Curriculum Vitae including a list of research publication, conference papers, and other scholarly outputs; (d) certified copies of academic qualifications plus academic records and proof of professional registration with a relevant professional body where applicable. **(Please provide academic transcripts and SAQA evaluation certificate, if qualifications were obtained outside South Africa)**; and (e) names of three contactable referees at hr@mut.ac.za copied to: davies.theophilus@mut.ac.za

Enquiries: Tel: (031) 907 9294

Closing Date: 16 August 2024

Mangosuthu University of Technology is committed to meeting the objectives of Employment Equity to improve representivity within the institution. Preference will be given to applicants from designated groups in accordance with our Employment Equity targets including people with disabilities.