



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 ENGINEERING DEPARTMENT OF CIVIL ENGINEERING AND SURVEYING POST-DOCTORAL RESEARCH FELLOW

Key Performance Areas:

- Interact with collaborators to design experiments and develop process designs.
- Draft grant applications in this broad research area.
- Publish manuscripts in reputable journals and peer-reviewed conference proceedings in this field.
- Ability to develop groundbreaking process for patent applications.
- Manage database from laboratory and sites.
- 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 contribute 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 organization of research events.

Minimum Requirements:

- A PhD in Civil Engineering, Environmental Engineering or Chemical engineering or any other related field (specializing in wastewater or environmental engineering, sludge management and processing, biological treatment of wastes), obtained within the past 5 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)
- At least 3 published journal papers in the last 24 months.
- Has not held full-time permanent academic or professional employment.
- Established track record of publications and conference contributions related to the outlined research areas.

Recommendations:

- Experience in postgraduate student mentorship will be an advantage.
- A solid knowledge in some of the following: sludge management, wastewater treatment processes, domestic sewage treatment, industrial wastewater, medical wastes, biological treatment of wastes , waste to energy , biomass to energy and circular economy concept

Competencies:

- Computer literacy
- Good verbal and written communication skills
- Good organizational skills
- Ability to work independently

Bursary: R300 000.00 per annum

Benefits: None

Interested applicants should send (a) a motivation detailing the extent to which they meet the requirements of the position; (b) an application form; (c) a Curriculum Vitae; (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 to: Department of Human Resources and Development, Mangosuthu University of Technology, PO Box 12363, Jacobs, 4026 or via email: hr.engineering@mut.ac.za
Enquiries: Tel: (031) 907 7328 / 7560 / 7565

Closing Date: 20 September 2024