



## SCIENTIFIC OFFICER x 2 (Payclass 08; T2, 3-year contract) DEPARTMENT OF GEOLOGICAL SCIENCES FACULTY OF SCIENCE

**Please note that only applications from suitably qualified members of the permanent and temporary UCT staff will be considered.**

The Department of Geological Sciences invites applications for a Scientific Officer to support the ongoing operation of the multi-collector-inductively coupled plasma-mass spectrometry (MC-ICP-MS) facility, with responsibilities related to the chemical preparation of material for analysis.

### Requirements:

- NQF9 required qualification is a MSc degree or equivalent qualification in Geology, Geochemistry or Chemistry with experience working in a clean chemistry environment.
- Demonstrated 1 years' experience in a clean chemistry mass spectrometry laboratory.
- Demonstrated experience of the safe handling of concentrated acids (hydrochloric, nitric and hydrofluoric) and a variety of hazardous chemicals.
- Experience working with ion chromatography.
- Initiative and good interpersonal skills.
- Ability to work safely with a variety of hazardous chemicals.
- Ability to work efficiently and independently.
- Ability to meet deadlines.

### Advantageous:

- Experience in the chemical preparation of material for analysis by ICP-MS, including digestion of material using hydrofluoric and other acids, processing samples by ion chromatography and operating ICP-MS instruments.

### Responsibilities include:

- Preparation of material for solution analysis by MC-ICP-MS, including elemental separations by ion chromatography.
- Assist in analyzing samples by MC-ICP-MS for radiogenic isotope compositions.
- Assist with establishment/development of new/novel analytical techniques.
- Assist with maintenance of and record-keeping for the MC-ICP-MS facility.
- Assist with day-to-day management of MC-ICP-MS facility including training new users.

The 2024 annual remuneration package is between R415 430 – R488 741 depending on experience and qualifications.

For further information, contact Dr Petrus le Roux at [petrus.leroux@uct.ac.za](mailto:petrus.leroux@uct.ac.za).

**To apply**, please e-mail the below documents in a **single pdf file** to Dr Petrus le Roux at [petrus.leroux@uct.ac.za](mailto:petrus.leroux@uct.ac.za)

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>)
- Motivational letter demonstrating how the applicant meets the requirements of the job,
- Curriculum Vitae (CV)

Please ensure the title and reference number are indicated in the subject line.

An application which does not comply with the above requirements will be regarded as incomplete. Only shortlisted candidates will be contacted and may be required to undergo competency test.

**Telephone:** 021 650 4139      **Website:** [www.uct.ac.za](http://www.uct.ac.za)  
**Reference number:** E241012      **Closing date:** 18 October 2024

*"UCT is a designated employer and is committed to the pursuit of excellence, diversity, and redress in achieving its equity targets in accordance with the Employment Equity Plan of the University and its Employment Equity goals and targets. Preference will be given to candidates from the under-represented designated groups. Our Employment Equity Policy is available at [www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf](http://www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf)."*

UCT reserves the right not to appoint.