



JUNIOR RESEARCH FELLOW

(3-Year Fixed Term Contract)

Catalysis Institute

Department of Chemical Engineering

Faculty of Engineering and the Built Environment

The Catalysis Institute in the Department of Chemical Engineering at the University of Cape Town concerns itself with both fundamental and applied research and development in the field of heterogeneous catalysis – encompassing all of molecular modelling, catalyst synthesis, physico-chemical characterisation and performance evaluation for industrially interesting chemical conversions. Although engaged in topics of international interest, the Institute has a strong commitment to addressing issues of direct importance to the South African Chemical Processing Industry – the principal fields of investigation include Fisher-Tropsch synthesis, hydrogen, fuel cells, fuel processing and Power-to-X chemistries.

We invite applications from suitably qualified and experienced persons for a **Junior Research Fellow**.

The successful incumbent must be an energetic, motivated, strongly disciplined individual, who is comfortable in a multiuser research environment.

Requirements for the position:

- A PhD degree in Chemical Engineering, Chemistry or closely related discipline.
- At least two years' post-doctoral research experience in catalysis or closely related field.

Responsibilities include:

- Take responsibility for a specific technical research objective of the GreenQUEST programme (depending on the candidate's expertise, e.g. catalyst synthesis, characterization or testing).
- Conduct research in the field of green liquid fuel gas synthesis as well as fuel processing.
- Support the GreenQUEST programme through technical, scientific and financial reporting and liaising with international consortium partners.
- Co-supervise post-graduate students or post-doctoral fellows in the GreenQUEST research initiative.

The annual cost of employment, including benefits, is between **R 609 260** and **R 753 904**.

To apply, please e-mail the below documents in a **single pdf** to at Ms Abigail Dixon at recruitment03@uct.ac.za

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>);
- A letter of motivation; and
- 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 and might not be considered. Only shortlisted candidates will be contacted and may be required to undergo competency assessments.

Telephone: 021 650 1673

Website: <http://www.catalysisinstitute.uct.ac.za/>

Reference number: E230266

Closing date: 10 July 2023

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.hr.uct.ac.za/hr/policies/employ_equity.

UCT reserves the right not to appoint.