



SENIOR RESEARCH OFFICER (FLOTATION)
CENTRE FOR MINERALS RESEARCH (CMR)
DEPARTMENT OF CHEMICAL ENGINEERING
FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT

The University of Cape Town (UCT) is one of the leading higher education institutions on the African continent. It embraces a tradition of academic excellence that is respected worldwide. The academic project remains at the heart of UCT's mission, which is built on three pillars at the core of Vision 2030: excellence, transformation, and sustainability.

The Department of Chemical Engineering enjoys an international reputation in teaching and research and is actively committed to teaching and research. The undergraduate degree programme is accredited by the Engineering Council of South Africa (ECSA). Research is carried out in the areas of bioprocess engineering, catalysis and catalytic processing, engineering education, environmental systems and process systems engineering, minerals processing, precipitation and crystallisation, energy systems modelling, and sea ice. The Department enjoys strong, global industrial support for its teaching and research programmes, and maintains close links with the South African chemical, petrochemical, biotechnological and minerals industries.

The Centre for Minerals Research (CMR) is a multi-disciplinary research Centre within the Department of Chemical Engineering, which provides a dynamic and exciting research, teaching and learning environment. The CMR hosts academics, research and administrative staff, postdoctoral fellows, Doctoral and Masters' students. Our main areas of research are comminution, classification, flotation, and process mineralogy. The CMR also engages significantly in technology transfer projects of our research and technical skills to industry partners. The number of researchers and research students in the Centre range generally between 30-40 in any given year.

The CMR seeks a dynamic Senior Research Officer specialising in flotation circuit optimisation to spearhead advanced research initiatives. This pivotal role involves expert-level circuit modelling and simulation, conducting robust surveys of industrial plants, and facilitating seamless technology transfer to industry partners. The ideal candidate will possess extensive experience in industrial-scale flotation processes, a strong track record in flotation plant optimisation, and the ability to supervise and mentor postgraduate students and graduate metallurgists. The role also requires fostering collaborative relationships across academic, professional, and industrial domains to drive impactful research and innovation.

For detailed information on this post, please view the job description on the following link: ([view](#))

To view and apply for this position, please visit the UCT Jobs site [View](#) (For Internal Applicants) and [View](#) (For external Applicants) to create a profile and to submit your application.

Closing date: 23 September 2025

Reference:

ID 1161

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

When you apply for a position at UCT, we collect your personal information to assess your application, communicate with you, and coordinate interview logistics. Information such as race, gender, nationality, and disability status is used to support our Employment Equity obligations. We also verify your references, qualifications, conduct criminal and, for certain roles, credit checks. For more information about how the University of Cape Town uses personal information and your rights, please email popia@uct.ac.za.

The University reserves the right to extend the closing date for applications if deemed necessary and reserves the right to make no appointment.