



DSI-NRF Centre of Excellence for Integrated Mineral and Energy Resource Analysis – CIMERA  
Department of Geology  
University of Johannesburg | Auckland Park Kingsway Campus [APK]  
PO Box 524 | 2006 Auckland Park | South Africa  
+27 11 559 4728 [tel] | +27 11 559 4702 [fax]  
cimera@uj.ac.za | www.cimera.co.za

## **MSC POSITION AVAILABLE: closing date 15 June 2022**

*Department of Geology, University of Johannesburg*

*Supervisor: Prof Nikki Wagner (UJ, Geology); co-supervisor: Dr Samson Bada (Wits Chem Eng)*

Full-time MSc by research, to commence in 2023, funded for 2 years (performance dependent).

### **Title of project:**

**Viability of Sasol coal and by-product waste (including coal, coal discards, all forms of ash and filter cake) as a source of critical raw materials, with a specific focus on rare earth elements**

We have received funding through a Sasol-NRF grant for a PhD and MSc candidate to work on the project.

### *Applicant Requirements:*

- *Undergraduate and Honours degree in the geosciences*
- *Final honours degree mark of 65% and above: **DO NOT APPLY IF THIS IS NOT SO***
- *ABOVE 65% for the research component of the Honours year*
- *Must be South Africa citizen / permanent resident*
- *Good computer literacy and ability to write*
- *Good laboratory skills (will be working in a laboratory environment and not the field)*
- *Ability to work between disciplines (geoscience and chemical engineering)*
- *Ability to work independently and part of a team*
- *Good presentation skills*
- *Interest in the project area*
- *Must apply to UJ for this degree*

*University tuition fees and a monthly stipend in line with the NRF grant will be provided, to a maximum value of R160 700 per year.*

**Please submit an application letter, CV, and academic record to Prof NJ Wagner by email: [nwagner@uj.ac.za](mailto:nwagner@uj.ac.za) by midnight 15 June 2022. Please ensure you have created a profile the NRF online portal for postgraduate applications.**

**All queries by email to: Prof Wagner**

