

CALL FOR APPLICATIONS

Postdoctoral Research Fellow Call:

African Rainbow Minerals (ARM)
GeoMetallurgy Research Chair
at Stellenbosch University.



The African Rainbow Minerals (ARM) Chair in GeoMetallurgy is a collaboration between the Department of Earth Sciences and the Department of Process Engineering, and is inviting applications for the position of Postdoctoral Research Fellow in this exciting and inter-disciplinary research field.

The minerals industry-sponsored Research Chair represents a new research unit at Stellenbosch University that focusses on understanding and modelling ore deposits from their discovery, through mining, to ultimately their beneficiation response. This collaborative research partnership couples geological and minerals processing skill sets with world-class analytical facilities. With support from the Postdoctoral Research Fellow appointees, the Research Chair seeks to unlock significant value in the mine-value chain and to become renowned and competitive within both the national and international research arenas. Postdoctoral Research Fellow will be supported by an array of post graduate student research projects and by the involvement of the two co-Chairs.

The Postdoctoral Research Fellow position is a fixed-term contract for two years after which extension tenure may be considered for up to a maximum of five years subject to continuation of Research Chair funding.

Desired requirements:

Applicants must hold a Ph.D. degree (obtained within the last five years) in one of the following fields: Geology, Earth Sciences, Mining Engineering, Data Science. Applicants must have a strong command of the English language.

Advantageous attributes include:

- A strong background in the Geological Sciences
- Experience in using machine learning techniques and geological modelling software
- At least one published article in an accredited journal
- Previous postdoctoral experience or work experience in the minerals sector is advantageous.

Duties and responsibilities:

- Postdoctoral Research Fellow will be directly involved in developing optimised geometallurgical models and workflows for the minerals sector
- Research foci include both theoretical and applied components of this field, and there will be strong emphasis on data management protocols and integration of emerging technologies
- The Postdoctoral Research Fellow will also be expected to assist with post-graduate student management, teaching of GeoMetallurgy, Geology and Chemical Engineering-related subject matter, and preparation of funding proposals (for which the Postdoctoral Research Fellow may be listed as the Principal Investigator)
- Postdoctoral Research Fellow are expected to produce at least two scholarly articles per year.

Stipend range:

R400k – R500k per annum and will not be eligible for the university employee benefits.

How to apply:

Applicants must submit a single pdf document, comprising a cover/motivation letter, a comprehensive CV (including publication list) and the names and contact details of three contactable professional references.

Applications should be emailed to Dr Bjorn von der Heyden: bvon@sun.ac.za by **15 September 2024**. For more information related to the positions, please contact Dr von der Heyden via email.