

PRESIDENTIAL PhD PROGRAMME (PPhDP)

Advancing South Africa's Just Energy Transition
Through Strategic Development of Battery and
Critical Element Value Chains

PPhDP THEMATIC AREA:

JUST ENERGY TRANSITION



PEOPLE
PLANET
PROSPERITY

FOUR FOCUS AREAS

- 1** Geological exploration & resource mapping;
- 2** Mineralogy, geochemistry, & ore-forming systems;
- 3** Geometallurgy, beneficiation, & sustainable processing; upstream processing; primary & secondary (including recycling)
- 4** Socio-economic, policy, value-chain, & market pathways.

MINERAL COMMODITIES BASED ON BATTERY COMPOSITION

Anodes		Graphite, La
Cathodes		Aluminium, Ni, Mn, Co, Li, Fe, REE
Current collector		Cu, Li
Electrochemical requirements		REE (Dy, Nd)
Other battery elements		V, Zn, Na
Electrolysers		PGMs etc.

INTERESTED IN PURSUING A DOCTORAL DEGREE UNDER THE PRESIDENTIAL DOCTORAL PROGRAM (PPhDP) THEMATIC HUB JUST ENERGY TRANSITION?

Prospective doctoral candidates are invited to submit an expression of interest in undertaking research funded through CIMERA's SAJET-BaCE (South African Just Energy Transition Battery and Critical Element) thematic hub.

HOW TO APPLY

Email: cimera@uj.ac.za

Subject line: PPhDP candidate

Include:

- Name
- Email address
- Previous/current degree name (e.g. MSc in Geology)
- Preferred focus area & host university (in South Africa)
- Confirmation of previous degree average of 65%.

ELIGIBILITY

Only applicable to South African citizens / permanent residents who are able to register for PhD degrees in 2027.

RESEARCH TODAY.
A JUST, SUSTAINABLE
TOMORROW.



SUBMIT BY 9 OCTOBER 2026

BE PART OF A CLEANER,
MORE INCLUSIVE
ENERGY FUTURE.

CRITICAL
MINERALS
CLEANER ENERGY
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