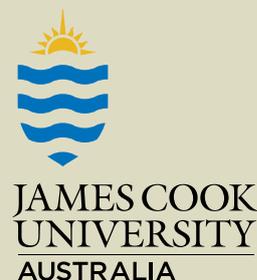


Fully-funded PhD Opportunities in Geoscience



James Cook University (JCU) is the leading Australian University in tropical North Queensland, with strong geology, geochemistry and environmental programs supported by world-class analytical facilities. JCU is looking for strong students to undertake their PhD within the College of Science and Engineering on the projects listed.

- The role of ductile shear zones in the formation of skarn deposits
- Feedbacks between high pressure metasomatism and structures in subduction channels.
- Developing the use of metal isotopes as disease diagnostics: Methods & applications
- Combining conventional and non-conventional stable and radiogenic isotope systems in fossil vertebrates to reconstruct environmental and dietary frameworks
- Refining tephrostratigraphic approaches in deep time through glass melt inclusion and isotopic fingerprinting of heavy mineral separates in heavy minerals
- Vertebrate palaeontology and sedimentary geology of the Early-Late Triassic succession in central Queensland.
- Helium prospectivity of the East African Rift System, with a focus on reservoir and seal potential, and fluid migration
- Magmatic-hydrothermal processes and critical mineral (Sn-W-In-Sb) genesis in the Herberton Mineral Field
- Assessing alkaline magmatism in Mount Isa Inlier – the link to REE mineralization, the potential to host REE mineralization and tectonic significance
- Integrating radiogenic and stable isotope tracers to constrain the evolution of the mantle in the southwest Pacific

Applications for fully-funded PhD opportunities (tuition + stipend) for the start of 2023 are being offered through a competitive scholarship scheme open to both international and domestic students. For more information, follow this [link](#).

Scholarship application deadline for this program is due by 31 July 2022, but we encourage you to contact us well in advance.

In addition, we have a small number of PhD scholarships that we are looking to fund immediately through the W.R. Lacey Scholarship Fund with the possibility of a mid-2022 start is possible.

More details on [Faculty and Staff in Earth Sciences](#)

If you are interested, please contact EGRU (egrug@jcu.edu.au) with your CV and a Cover Letter indicating your project(s) of interest and background.