**Postdoctoral Fellow Position in Postharvest Cold Chain Systems**

The Department of Horticultural Science, Packaging and Cold Chain Research Group, at the Africa Institute for Postharvest Technology (http://www.sun.ac.za/english/faculty/agri/horticulture), is dedicated to cross-cutting innovative technologies for cold chain management and the measurement and control of postharvest quality in the agricultural and horticultural industries.

We are seeking to appoint a postdoctoral fellow who is a recent PhD graduate (within the last five years) in engineering, technology, science, or related applied sciences to contribute to our research in computational and experimental analysis and optimization of cold chain processes.

**Research focus**

The successful candidate will develop and participate in research focused on modelling airflow, heat, and mass transfer in cold chain environments such as refrigerated containers, packaging, and cool stores.

**Minimum requirements**

* PhD with research experience in numerical modelling techniques, particularly Computational Fluid Dynamics (CFD) and/or Finite Element Modelling (FEM).
* Demonstrable ability to work with relevant modelling and simulation software.

**General duties and responsibilities**

* Conduct original research in postharvest cold chain modelling.
* Participate in postgraduate student supervision.
* Prepare scientific reports and journal articles for publication.

**Personal attributes**

* Open-minded and willing to push the boundaries of scientific enquiry.
* Passion for research and excellence in the field.

**Appointment details**

Duration: One year, renewable annually based on performance and availability of funds.

Preference: South African applicants, especially women, will be given preference.

Closing date: 30 November 2025, or as soon as a suitable candidate is selected.

Interested candidates are encouraged to apply with a comprehensive CV, cover letter, and relevant publications. Applications and inquiries should be directed to Dr. Alemayehu Ambaw, Senior researcher (tsige@sun.ac.za).