



University of Fort Hare  
*Toether in Excellence*

**Fort Hare Institute of Technology**



# POSTDOCTORAL RESEARCH FELLOWSHIP POSITION

## Postdoctoral Fellowship Bioenergy Research (1 post)

**The role is aimed at research into bioconversion of wastes to value-added products. The research fellow will conduct research on, but not limited to the use of microbial fermentation processes with specific focus on biogas production. The key performance areas include:**

- Theoretical and experimental studies on the methanogenesis of biodigesters.
- Investigation of suitable waste-based feedstocks for biogas production.
- Molecular characterization of mixed microbial consortia and identification of microbes responsible for methane production.
- Bioprocess modelling and optimization studies.

### Minimum requirements:

- Doctoral degree in Microbiology, Molecular Biology or related field (obtained within the last five years)
- A minimum of 3 years relevant experience in the abovementioned research areas
- A track record of publications in DHET accredited journals
- Expected outcome:
- Development of novel research
- A minimum of 4 publications in DHET accredited journals
- Mentoring of postgraduate students

**Enquiries and details regarding this post, motivation letter, CV containing contact details of two academic referees who have taught/supervised/mentored the candidate, copies of educational certificates as well as ID copy may be directed to Dr. Y. Sukai via email: [ysukai@ufh.ac.za](mailto:ysukai@ufh.ac.za) and Cc [Prof. E.L. Meyer emeyer@ufh.ac.za](mailto:Prof. E.L. Meyer emeyer@ufh.ac.za)**

**CLOSING DATE: 10<sup>th</sup> February 2023**