



University of Fort Hare
Together in Excellence

FORT HARE INSTITUTE OF TECHNOLOGY

POSTDOCTORAL RESEARCH FELLOWSHIP 2022

Postdoctoral Fellowship Bioenergy Engineering (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 and cc Prof. E.L. Meyer emeyer@ufh.ac.za

CLOSING DATE: 1st June 2022



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