



University of Fort Hare
Together in Excellence

POSTDOCTORAL RESEARCH FELLOWSHIP

Microbial Biotechnology (2 posts)

The role is aimed at research into bioconversion of wastes to value-added products. The research fellows 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:

- Investigation of suitable waste-based feedstocks for biofuel production
- Molecular characterization of mixed microbial consortia and identification of microbes responsible for biofuel production
- Development of 3D bio-based nano-composites for biorefineries
- Bioprocess modelling and optimization studies

Minimum requirements:

- Doctoral degree in Microbiology, Biotechnology, Molecular Biology or related field obtained within the last 4 years
- A minimum of 3 years relevant experience in the abovementioned research areas
- A track record of publications in DHET accredited journals

Expected outcomes:

- Development of novel products and or processes
- A minimum of 4 publications in DHET accredited journals
- Co-mentoring of postgraduate students
- Assist with teaching and learning in primary department

Enquiries and further details regarding these posts may be directed to Dr. Y. Sukai: ysukai@ufh.ac.za. Applications including a motivation letter, CV, copies of educational certificates as well as ID/passport copy must be sent to mhendricks@ufh.ac.za and cc ysukai@ufh.ac.za on or before **31 May 2023**.

Please consider your application unsuccessful if you have not received feedback within 3 weeks of the closing date.

