

Curriculum Vitae of:

Asanda Mkiva

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PROFILE

I am Asanda Mkiva. I did BSc in Biological sciences in Walter Sisulu University. I am working at the African Centre for DNA Barcoding(ACDB) which is a molecular systematic laboratory situated in the University of Johannesburg, where I am currently barcoding alien invasive species.

EMPLOYMENT HISTORY

Name of employer: African Centre for DNA Barcoding
Duration: (2013 – Current)
Position: Intern
Duties

- Analyzing Forensic samples
- DNA extraction-Plant and Animal tissue
- DNA Barcoding which include
- Purification of Total DNA
- Run Gel electrophoresis
- Run Polymerase chain reaction (PCR)
- Sequencing, editing of sequences,
- Matrix Alignment
- Phylogenetic tree
- Alignment and Submitting to GenBank
- Preparing reagents
- Processing specimens in drier and freezer, preparing specimens for family sorts and identification by specialists, preparing lists of plants identified for clients.
- Mounting and filing specimens, preparing genus and species covers
- Preparing specimens and documents, and packaging for postage.

Name of Employer: Department of Environmental Affairs
Duration: (May 2011-April 2012)
Position: Laboratory Technician

Duties

- Summarise data for research and monitoring the marine environment
- Assist with zooplankton sample processing and analysis
- Identification of zooplankton using microscope
- Data Management
- Data Capturing and Processing
- Research Administration
- Provide data for scientists resulting from field work

EDUCATION AND TRAINING

Institution: Walter Sisulu University
Degree: BSc in Biological sciences (2005 – 2009)

CORE SKILLS

IT Proficiency: **Microsoft Office Package:** Micro soft Word, MS-power Point ,Emails,GroupWise, Internet and Office outlook

Document Management : Electronic Data Management

DNA Barcoding: Basic DNA extraction, Gene amplification via PCR (polymerase chain reaction). Cycle Sequencing of gene regions. Editing and aligning of DNA sequences. Database comparisons of DNA sequences and compilation of Phylogenetic trees.

Languages: English (Fluent)
Isixhosa (Fluent)
Isizulu (Fluent)
Siswati (Fluent)

REFERENCES

Professor Michelle Van Der Bank – University of Johannesburg

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