

## CURRICULUM VITAE

### Personal Information

First Name: AMÉLIA  
Last name: Mondlane Milisse  
Title: Mrs.  
Birth date: 03/02/1988  
Sex: female  
Citizenship: Mozambican  
Civil Status: Married  
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### Fields of interest

Molecular biology, genomic and transcriptomic applied to the study of diseases and parasites of marine and freshwater fish and shrimp

### Education

INSTITUTION	DATE	DEGREE OBTAINED
Nottingham Trent University – Nottingham (UK)	2013	Master in Molecular Cell Biology
Eduardo Mondlane University – Mozambique	2009	Graduate in Marine Biology

### Work experience

Date: From March 2013 to today  
Location: Maputo - Mozambique  
Employer: Biotechnology Centre-Eduardo Mondlane University  
Position: Assistant researcher and lab supervisor  
Description: Projects development and research in the field of marine and freshwater animal:



Responsible for stock management, lab technician's supervision, equipment and infrastructure management.

**Date:** From January 2010 to February 2012  
**Location:** Maputo - Mozambique  
**Employer:** Ministry of Science and Technology  
**Position:** Biotechnology and Biosafety issues' technical assistant  
**Description:** Scientific secretariat of the National Biosafety Committee of Mozambique. Collaboration to the approval of the National Biosafety Regulation and on GMO. Public awareness and public participation seminars organization. Scientific assistant of the National Biotechnology Program. Coworker in the project for establishment of a marine biotechnology laboratory in Xai-xai, Mozambique.

### Professional experience

- Research leader at the project financed by the National Research Fund of Mozambique – “Bacterial diseases of farmed Tilapia *Oreochromis niloticus* and *O. mossambicus* in the South of Mozambique”;
- Research leader at the diagnostics of viruses in wild and farmed crustaceans;
- Co-worker of different projects: “Epidemiology of white spot syndrome virus in Mozambique”; “Identification and quantification of microcystins in freshwater”; “Evaluation of water pollution by mercury at Revue River using tilapia as a biomarker”.
- Collaboration to a “multi country project on to Strengthen Institutional Capacities on LMO Testing in Support of National Decision Making – Mozambique”
- Co-worker at a graduate student's project on detection of Hepatite A virus in different freshwater sources at Maputo city;
- Participant to a Mozambican conference on health with a poster about “Comparative analysis of gene expression profiles and invasive potentials of placenta and tumour”; and with an oral presentation about Molecular diagnostics of White spot syndrome virus in shrimp in Mozambique”.

### Additional Education and Trainings

- Training on Soft skills in Pretoria, South Africa, 2017.
- Online course on *Molecular Biology - DNA Replication and Repair*. Massachusetts Institute of Technology, 48 hours, 2015.



- Online course on *Molecular Biology — Transcription and Transposition*. *Massachusetts Institute of Technology*, 48 hours, 2015.
- Project management, disbursement and procurement course at Maputo - Mozambique, organized by National Research Fund from Mozambique.
- *Real Time PCR and Sequencing* course, 2014 at Maputo city, organized by University of Pretoria, 32 hours, Maputo - Mozambique.
- Cloning and Sequence analysis course at *Museu de Historia Natural* from Madrid at Spain
- Internship on tilapia and shrimp aquaculture at Brazil, 2005

#### Theoretic and strumental knowledges

Molecular genetic techniques: DNA Isolation from bacterial and mammalian cells, DNA digestion and clean up, electrophoresis on agarose gel, DNA band gel extraction and PCR; storage and culturing of animal and bacterial cells; RNA isolation from animal and human cells, use of qRT-PCR for gene expression and detection of bacteria; some knowledge of cloning of gene from DNA library.

Computer skills: software of PC (Window and Office package); using website and public database (BLAST, Primer 3, Clustal W, NCBI) to analyze and manipulate biological data.

#### Language skills

Language	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
Portuguese	Mother tongue	Mother tongue	Mother tongue	Mother tongue	Mother tongue
English	Good	Very good	Very good	Good	Very Good

#### References

Dr. Dacia Correia, Veterinary Faculty, Eduardo Mondlane University, Maputo, Mozambique.

Dr. Olivia Pedro, Biotechnology Centre, Eduardo Mondlane University, Maputo, Mozambique.

Prof. Antonio Mubango Hogueane, School of Marine and Coastal Sciences, Eduardo Mondlane University, Maputo, Mozambique.

Dr. Paulino Munisse, Department of Agriculture and Natural Resources, Agriculture Research Institute of Mozambique.