

CURRICULUM VITAE
of
Waheed Mahomed

PERSONAL DETAILS

Full name: Waheed Mahomed
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Mobile: -
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email: mahomed.w@gmail.com
Website: <http://waheedmahomed.wordpress.com>
Residential address: -
Nationality: South African
Identity Number: -
Languages: English (fluent), Afrikaans (competent)
Marital status: Married

PROFILE

A scientist by training, analytical by nature, entrepreneurial in spirit, I am an ambitious and self motivated person. My critical thinking ability lends well to other disciplines and is my foremost core strength. My personality points to a logical, innovative, forward thinking individual that thrives in a dynamic environment. An enquiring nature combined with an ability to learn quickly allows me to function with autonomy. I am a knowledge hungry, goal orientated problem solver that's eager to broaden my skill set.

EDUCATION

- ❖ **PhD (Biotechnology) University of Pretoria, 2012 – current**
 - Some results have been published in the peer reviewed journal- ***PLoS ONE***.
- ❖ **MSc (Biotechnology) *Cum laude*, University of Pretoria, 2011**
 - Results of this study were published in the peer reviewed journal- ***BMC Plant Biology***.
- ❖ **BSc Honours (Biotechnology), University of Pretoria, 2008**
 - My research project was focused on transgenic modifications in banana tissue culture to study gene activity.
- ❖ **BSc (Biotechnology), University of Pretoria, 2007**
 - Distinctions achieved 2nd and 3rd year microbiology, biochemistry and genetics subjects

❖ **Matric Senior Certificate, Central Islamic School, 2002**

- English, Afrikaans, Mathematics, Physical science, Biology, Business economics, Mercantile Law

❖ **International General Certificate of Secondary Education, Cambridge, 2001**

- English, Afrikaans, Business studies, Biology, Physics, Mathematics

OTHER COURSES

- ❖ Certificate in Bioentrepreneurship (2009)
- ❖ Bloomberg assessment 69th percentile ranking

EMPLOYMENT HISTORY

February 2008 – June 2010

University of Pretoria, Department of Genetics
Tutor/Demonstrator

Duties and Responsibilities:

- ❖ Preparation of practical classes for undergraduate students for various genetics courses.
- ❖ Marking of semester and examination papers
- ❖ Tutoring students.

March 2009 – November 2009

Ampath molecular lab
Lab technician (part time)

Duties and Responsibilities:

- ❖ Receiving and logging of samples
- ❖ Enteropathogenic *E. coli* sample preparation
- ❖ HIV sample preparation

December 2008– March 2009

Sylvean Biotech
Internship

Duties and Responsibilities:

- ❖ Reagent preparation
- ❖ Assistance with various experiments
- ❖ Research troubleshooting / Method development

ACHIEVEMENTS and LEADERSHIP

2013: Co-supervision of honours student, mentor of undergraduate students, lab manager.

2012: Golden Key International Honour Society membership, appointed as lab manager, re-election as Student Representative of FABI management committee, honorary University of Pretoria SRC colours.

2011: Elected as Student Representative of FABI management committee, first publication at MSc level, contacted to review NRF project applications.

2010: Elected as chairman of FABI social club.

2009: Mentorship of undergraduate student, FABI social club representative.

2008: Secretary of the Laudium Fishing Club.

2007: Summited Kilimanjaro in January 2007, assumed position of team leader.

2000 – 2002: Selected for the UP with Science programme at the University of Pretoria.

VOLUNTEER EXPERIENCE

- ❖ Lion-buffalo interaction and the effects of TB. Field work in Kruger National Park. June-July 2006.
- ❖ FABI Outreach program for underprivileged children. November 2009-2010.
- ❖ New Beginningz organisation for babies and children. July 2013.

SKILLS

- ❖ **Laboratory management**
 - In my role as lab manager I have been responsible for purchasing, installation and maintenance of lab equipment, enforcement of lab procedures and protocols, streamlining of operations, delegation of lab duties.
- ❖ **Time management**
 - I am effective at performing tasks within a specified timeframe, preparation and execution of plant time trials, adherence to deadlines for publication and reports.
- ❖ **Experimental design**
 - I am well-trained in hypotheses development, selection of appropriate experimental procedures to test hypotheses, results analysis and deductive reasoning.
- ❖ **General administrative skills**
 - Documenting, filing and backing up data. Ordering and record keeping of deliveries. Faxing and word processing.
- ❖ **Managerial skills**
 - In my vacation employment I was responsible for stock taking, finance management and general business operations. In my position as lab manager I am responsible for information dissemination, report production, task delegation, record keeping and inventory.
- ❖ **The philosophy of research ethics**
 - Performing ethical research methodology.
- ❖ **Principles of laboratory safety and good lab practice (GLP)**
 - Maintaining a safe working environment and observing correct procedures and protocols at all times when conducting experiments.

- ❖ **Scientific writing**
 - I have experience in extensive information collection and argument formulation with efficient results interpretation and discussion.
- ❖ **Plant tissue culture**
 - I have performed clonal plant propagation from banana immature male flower tissue.
- ❖ **High-throughput DNA pyrosequencing**
 - Sample preparation for the Roche 454 Titanium sequencing platform and familiar with the platforms functions, capabilities and chemistry.
- ❖ **DNA cloning**
 - Familiar with basic vector cloning systems.
- ❖ **Primer design**
 - Have used primer3 and online primer designing tools.
- ❖ **Quantitative gene amplification**
 - Well acquainted with the SYBR green nucleic acid fluorescence chemistry as well the Biorad and Illumina Eco amplification platforms.
- ❖ **Bioinformatic skills for genetic sequence analysis**
 - BLAST searching, high-throughput sequence assembly, Gene Ontology database searching, sequence alignment, feature finding and domain identification.
- ❖ **Locksmithing**
 - Well trained in key cutting, lock picking, vehicle and safe opening.
- ❖ **Plumbing**
 - Installation of high pressure pool pumps, filtration and piping. Faucet maintenance and installation.

INTERESTS and ACTIVITIES

- ❖ Mechanics
- ❖ General biology
- ❖ Fishing
- ❖ Hunting
- ❖ Cooking
- ❖ Hiking
- ❖ Touring
- ❖ Rock climbing
- ❖ River rafting

REFERENCES

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