

KHUME CHAMIE MTSHWENI



**MSc Aquatic
health:
University of
Johannesburg**

Personal Details

Residential Address
533 Delphi Street,
Waterkloof Glen, Pretoria
0010

Postal Address
1003 Marble Hall 0450

Contact number
063 772 7501

E-mail Address
chamiemtshweni@gmail.
com

ID Number
9408065020089

Date of Birth
06.08.1994

Languages
English, Afrikaans,
IsiNdebele, SiSwati,
Sepedi, Setswana,
Sesotho, IsiXhosa, IsiZulu

Driver's license
C10

EXECUTIVE SUMMARY

I am an enthusiastic, highly motivated and well-spoken individual who has good interpersonal and communication skills. I am an exceptional multitasker and problem solver that handles challenges well. The environment and the maintenance of its integrity is one of my passions.

I was exposed to environmental monitoring and consultancy in 2017, where I performed surface water monitoring, ground water monitoring, aquatic biomonitoring and noise surveys. Since 2017; I have acquired skills in laboratory analysis (toxicity testing), field work (Terrestrial, Wetland and Aquatic surveys), analytics, and compiling ecological reports.

Being innovative, curious and striving for excellence has aided me in analysing and understanding the various complexities that lie within the environment.

WORK EXPERIENCE

Freshwater and Terrestrial Ecologist

The Biodiversity Company ~ 2023 – Current

Responsibilities:

- Conducts assessments (fieldwork).
- Environmental data analysis and interpretation.
- Compilation of Specialist reports (Scoping, Baseline and Impact assessment reports).
- Manage projects and clients.
- Compile peer reviews.
- Compile proposals.
- Market company services.
- Develop and initiate new products and skills.

Wetland and Terrestrial Ecologist

Milnex CC ~ 2021 – 2023

Responsibilities:

- Environmental data analysis and interpretation
- Report Writing
- Manage sampling equipment
- Managing Ecology department
- Faunal and Floral permit applications
- Public participation
- Terrestrial Biodiversity assessment (Faunal and Floral assessments); and
- Wetland Delineation and Risk assessments for inclusion in Environmental Authorization and Water Use Licensing.

Graduate intern (Biodiversity)

Golder Associates ~ 2017 – 2020

Responsibilities:

- Environmental data analysis and interpretation
- Manage sampling equipment
- Conducting laboratory experiments and exposures
 - Toxicity testing
 - Sediment analysis
- Surface water monitoring
- Ground water monitoring
- Aquatic biomonitoring
 - Water
 - Sediment

- Fish
- Aquatic macroinvertebrates
- Diatoms
- Noise monitoring
- Dust fallout monitoring
- Wetland delineation

Laboratory demonstrator

University of Johannesburg ~ 2016 – 2017

Responsibilities:

- Prepare and assess laboratory experiments
- Present and demonstrate laboratory experiments to students
- Assisted in marine ecology excursions (sandy vs. rocky shores, estuaries and mangrove assessment)
 - St Lucia wetland park Kwa-Zulu Natal (Including terrestrial ecology)
 - Inhaca Island Mozambique
 - Hong Kong

Volunteer

Marble Hall Animal Hospital ~ 2013 – 2014

- Assist in cat and dog spaying
- Assist in game capture and relocation
- General House-keeping.

EDUCATIONAL QUALIFICATIONS

Tertiary

Postgraduate (2018-2020)

Institution: University of Johannesburg, South Africa
Degree: Masters of Science
Course: Aquatic health
Project topic: The application of a sediment risk approach for site evaluation in an industrial complex (Mpumalanga)

Tertiary

Postgraduate (2017)

Institution: University of Johannesburg, South Africa
Degree: Bachelor of Science Honours
Course: Zoology
Project topic: Comparison of the Phytotoxkit-F and Ostracodtoxkit-F bioassays in assessing sediment toxicity along the Taaibosspruit

Tertiary

Undergraduate (2013-2016)

Institution: University of Johannesburg, South Africa
Degree: Bachelor of Science
Course: Environmental Sciences (Zoology and Physiology)

Secondary

High school (2008-2012)

Institution: Hoerskool Ben Viljoen

SKILLS ACQUIRED

Computer literacy

Microsoft office

Statistical programs (Canoco and Primer)

QGIS

Personal skills

Problem Solving
Communication Skill
Resourcefulness
Team and independent work
Adapting to change
Professionalism
Self-management
Positive work ethic

AUTHORED & CO-AUTHORED

Mtshweni K. C., Nel A., Shaddock B. F. (2017). Comparison of the Phytotoxkit-F and Ostracodtoxkit-F bioassays in assessing sediment toxicity along the Taaibosspruit. (Honours mini-thesis).

Mtshweni K. C., Nel A., Shaddock B. (2020). The application of a sediment risk approach for site evaluation in an industrial complex (Mpumalanga). (Masters dissertation).

Shaddock B. F., Volschenk C. M., Cloete Y. C., Mtshweni K. C. (2019). The development of a preliminary approach to sediment site evaluation and associated risk. Water Research Commission. Project No. K5/2754.

PROFESSIONAL AFFILIATION

SACNASP: Ecological Science (Candidate Natural Scientist)
Registration Number: 138592

COURSES

Wetland introduction and Delineation course. (March 2021)..
Wetland Legislation and Rehab Course (12 - 17 September 2022)

REFERENCES

-Percy Sehoale	-Wayne Jackson
-Environmental Assessment Practitioner	-Soil, Wetland and Hydropedology Specialist
-Milnex Environmental Consultants CC	-Eco-Assist Environmental Consultants
-Tel (M): 018 011 1925	-Tel (M): 0685558752
-Email: percy@milnex-sa.co.za	-Email: jackson.incorp@gmail.com

