

CURRICULUM VITAE OF MATHEBULA MPHO WENDY

PERSONAL PROFILE

Name & Surname: Mpho Wendy Mathebula

Nationality: South African

Postal address: PO Box 1623, Burgersfort, 1150

Residential address: 60 Picadilly, 5 Jim Fouche, Universitas, Bloemfontein, 9301

Email address: mphowendy2014@gmail.com

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SOUTH AFRICAN OFFICIAL LANGUAGE PROFICIENCY

	Languages				
	English	Sesotho	Setswana	Sepedi	Afrikaans
Speak	Good	Good	Good	Good	Fair
Write	Good	Good	Good	Good	Good
Read	Good	Good	Good	Good	Good

EDUCATION PROFILE

Highest qualification: PhD Chemistry (Tshwane University of Technology, 2022)

Other qualifications: M-tech Chemistry (Tshwane University of Technology, 2016)

B-tech Chemistry (Vaal University of Technology, 2011)

N. Dip Analytical Chemistry (Vaal University of Technology, 2010)

RESEARCH PROFILE

Research projects:

- Mathebula M.W., Mandiwana K.L. & Panichev N. Method development for the determination of total mercury and mercury thermospecies in coal and environmental samples, PhD thesis, Tshwane University of Technology, 2022.
- Mathebula M.W., Mandiwana K.L. & Panichev N. Speciation of chromium in South African bread and breakfast cereals, Master's dissertation, Tshwane University of Technology, 2016.

Scientific publications:

- Mathebula M.W., Mandiwana K.L. & Panichev N. 2017. Speciation of chromium in bread and breakfast cereals. Food Chemistry, 217:655-659.
- Mathebula M.W., Panichev N & Mandiwana K.L. 2020. Determination of mercury thermospecies in South African coals in the enhancement of mercury removal by pre-combustion technologies. Scientific reports, 10: 19282

Conferences attended:

- Mathebula M.W., Mandiwana K.L. & Panichev N. Method Peculiarities of Hg distribution in South African coals, oral presentation MEC 14 workshop, 28th October- 1st November 2019, Hanoi, Vietnam.
- Mathebula M.W., Mandiwana K.L. & Panichev N. Method development for the determination of total mercury and mercury thermospecies in coal, poster presentation 43rd National Convention of the South African Chemical Institute, CSIR ICC, 2nd December- 7th December 2018, Pretoria.
- Mathebula M.W., Mandiwana K.L. & Panichev N. Method development for the determination of mercury thermospecies in coal, poster presentation on Research Day at Tshwane University of Technology, 7 September 2018. Arcadia, Pretoria.
- Mathebula M.W., Mandiwana K.L. & Panichev N. Determination of total mercury and mercury species in coal, poster presentation Analytika conference, Mokgopong, 22nd July- 25th July 2018, Limpopo.
- Mathebula M.W., Mandiwana K.L. & Panichev N. Method development for the determination of total mercury and mercury thermospecies in coal, poster presentation on

Research Day at Tshwane University of Technology, September 2017. Arcadia, Pretoria.

- Mathebula M.W., Mandiwana K.L. & Panichev N. Speciation of chromium in South African bread and breakfast cereals, oral presentation on Research Day at Tshwane University of Technology, 9 September 2016. Arcadia, Pretoria
- Mathebula M.W., Mandiwana K.L. & Panichev N. Speciation of chromium in South African bread and breakfast cereals, oral presentation 42nd National Convention of the South African Chemical Institute, Elangeni Hotel, 29th November- 4th December 2015, Durban.
- Mathebula M.W., Mandiwana K.L. & Panichev N. Speciation of chromium in South African bread and breakfast cereals, poster presentation on Research Day at Tshwane University of Technology, 5 August 2015. Arcadia, Pretoria.

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

- South African Council for Natural Scientific Professions (SACNSP): Chemical Science (Professional Natural Scientist) - **Application under review**
- South African Chemical Institute (SACI): **Corporate Membership - 11237**

EMPLOYMENT PROFILE

Current employment:

Company: University of the Free State

Position: Professional Officer Analytical Chemistry & Inorganic Chemistry

Date started: 3 October 2021 – Current

Contact for reference: Mr. Nkabiti L (Lecturer Analytical Chemistry)

051 401 7612/ 079 506 2560

NkabitiLL@ufs.ac.za

Previous employments:

Company: Tshwane University of Technology

Position: Part-time lecturer

Date: 1 March 2014 - 30 September 2021

Contact for reference: Prof. Mandiwana KL (Senior lecturer Analytical Chemistry)

012 382 5911

MandiwanaKL@tut.ac.za

Company: ALS Witlab coal division

Position: Laboratory analyst

Date: 1 July 2012 – 14 February 2014

Contact for reference: Ms. Boya M (Laboratory coordinator)

013 689 3102

Matlhatse.Boya@seritiza.com

Company: Anglo American Research

Position: Snr laboratory technician

Date: 22 August 2011 – 23 December 2011

Contact for reference: Mr. Nevonowe P (Laboratory technologist)

011 377 4737

Patrick.nevonowe@angloamerican.com

Company: Nkomati Mine

Position: Laboratory assistant (student trainee)

Date: 3 January 2009 – 15 December 2009

Contact for reference: Mr. Maphori P (Laboratory Chemist)

013 712 8494

Puleng.Maphori@nkomati.co.za

SKILLS

Leadership skills: Co-supervision of chemistry projects

Student name: Gloria Kyeiwa Sakyi

Project title: The determination of total and inorganic arsenic in fish by high resolution continuum source AAS

Project status: Completed (2017)- Btech chemistry.

Student name: Timothy Butana Ranta

Project title : The determination of total mercury in urban street dust of the city of Tshwane, South Africa

Project status: Completed (2018)- Btech chemistry.

Student name: Sharon Maluleke

Project title : Determination of trace elements in coal samples using high resolution continuum source AAS.

Project status: Completed (2018)- Btech chemistry.

Student name: Lebogane Sakhoneka

Project title : Assessment of environment pollution by determination of trace metals in river sediments

Project status: Completed (2019)- N. Dip Analytical chemistry.

PROFESSIONAL DEVELOPMENT & COMMUNITY ENGAGEMENT

- Eskom Science EXPO Judge: For young scientist (Regional EXPO) Gauteng (2017)
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- Shoshanguve High school was visited and students were given career guidance about degree/diploma that can be studied in science. Students were guided about how to use the online application system to get admission into the universities.